

Climate Pollution Reduction Grants – Planning Grants State of Utah Workplan

WORKPLAN SUMMARY:

Include a brief synopsis (~ ½-1 page) of the expected scope (e.g., covered geographic area) of the Priority Climate Action Plan (PCAP) and Comprehensive Climate Action Plan (CCAP); any known expected sectors of emissions to be targeted in the PCAP; connections to existing plans, commitments, regulations, and/or policies; expected grant deliverables, including but not limited to the PCAP, CCAP, and Status Report; timelines and budget. The summary should also include a brief discussion of planned stakeholder outreach, including with representatives of disadvantaged communities that may be affected by or benefit from plan development.

The State of Utah Priority Climate Action Plan (PCAP) and Comprehensive Climate Action Plan (CCAP) will cover greenhouse emissions sources located in – and in some instances may cover the emissions footprint of energy consumed within – the geographic area of the state. The PCAP will focus on those sectors for which emissions reductions are believed to be most likely achievable in the short- to medium-term at low to moderate costs. In contrast and as required by EPA, the CCAP will endeavor to identify emissions reduction strategies for all sectors.

Throughout the CPRG planning process, the State of Utah will draw upon several previous climate, energy, and resource planning exercises and policies, including – though not limited to – the *Utah Roadmap*, the *Blue Ribbon Advisory Council on Climate Change*, the *State Energy and Innovation Plan*, the *Utah Resource Management Plan*, and the *One Utah Roadmap* to find state driven approaches to addressing GHG emissions. These planning exercises and policies are detailed where appropriate elsewhere in this workplan.

As required, the grant deliverables will include the PCAP, CCAP, and Status Report, along with work products embodied by several required plan elements, including a GHG emissions inventory and projections, a prioritized list of GHG emissions reduction measures, GHG emissions reduction targets (including remaining gaps/challenges and potential solutions for addressing these limitations), as well as several capacity-building elements in such areas as future inventory work, future GHG emissions reduction strategy identification, analysis, and implementation, and ongoing interagency coordination. Utah's CPRG timeline and budget, included alongside this workplan, illustrate how each of the required plan elements will be supported and how these elements build upon one another to fulfill the completion of the required deliverables.

Stakeholder feedback and ongoing community engagement will be central to Utah's CPRG plan development. UDAQ will have a broader public engagement and outreach strategy as well as a stakeholder working group (SWG) to assist in identifying and prioritizing GHG emissions reduction measures for the PCAP and CCAP. Broad public engagement and outreach will be conducted through in-person and virtual meetings that will vary in content from information sessions, public and stakeholder feedback, and potentially town hall style meetings. By varying the length, format, and days and times we hold these meetings, we will ensure that the public and stakeholders are maximally aware and engaged with the planning and implementation of the PCAP and CCAP. The SWG will be open to interested parties, but efforts will be made to include a diverse array of stakeholders, including representatives from clean energy and environmental advocates, elected officials, local and state government agencies, academia, industry, energy providers, federally recognized tribes, low-income and disadvantaged communities (LIDCs), and other constituencies who seek to participate. All meetings and related materials will be publicly noticed and accessible, and deliverables will be made available for public review.

RESPONSIBLE ENTITIES:

Lead Organization:

Provide the name of the agency and office that will serve as the lead contact for this grant. This should match the Notice of Intent to Participate (NOIP) applicant or designee. Please provide the name of a point of contact at this agency and contact information (email address and phone number).

Utah Governor Spencer Cox has designated the Utah Department of Environmental Quality (UDEQ) as the lead agency for the CPRG Planning Grant program, and the Department has tasked the Utah Division of Air Quality (UDAQ) with leading this effort. The name and contact information for the primary point of contact at the agency is listed below:

Glade Sowards
Senior Policy Analyst, Utah Division of Air Quality
P.O. Box 144820
Salt Lake City, Utah 84114-4820
gladesowards@utah.gov
Desk: 801-536-4020
Main: 801-536-4000

Coordinating Entities:

List other organizations expected to be involved in the deliverable development process. This group can include, but is not limited to, state agencies/offices, tribal nations, municipalities, regional planning organizations, air pollution control agencies, advisory committees, sub-awardees (such as academic institutions or non-profit organizations), or contractors (if already identified). EPA highly recommends including letters of commitment from these coordinating entities. Letters of commitment originally included in the NOIP can be incorporated by reference.

UDAQ is committed to coordinating with a diverse group of entities in developing Utah’s CPRG deliverables. While a final list of participants has yet to be determined, likely candidates include, but are not limited to the following:

State Agencies/Offices:

- Utah Department of Natural Resources
 - Utah Office of Energy Development (UOED)
 - Division of Forestry, Fire, and State Lands
 - Division of Oil Gas and Mining
- Utah Department of Transportation (UDOT)
- Utah Office of Economic Opportunity (GOEO)
- Utah Department of Agriculture and Food (UDAF)
- Utah Department of Workforce Services (UDWS)
- Utah Department of Commerce
 - Utah Division of Public Utilities (UDPU)
 - Utah Public Service Commission (UPSC)

Municipalities:

- Wasatch Front cities and counties
- Other cities and counties (rural/statewide)
- Health Departments

Planning Organizations:

- Wasatch Front Regional Council (WFRC)
- Mountainland Association of Governments (MAG)
- Other MPOs as identified

Academia:

- Kem C. Gardner Policy Institute
- Utah State Institute of Land, Water, and Air (ILWA)
- Utah State University ASPIRE Center
- U of U Center for Climate Science & Policy
- U of U Sustainability Office, Environmental Justice Lab (SPARC)

Tribes:

- Ute Indian Tribe of the Uintah & Ouray Reservation
- Other tribes as identified

DELIVERABLES DEVELOPMENT PROCESS:

Describe the proposed development process for each of the deliverables outlined in Section 8.4.2 “Planning Grant Deliverables” and Appendix 15.3 “Deliverable Requirements” of the program guidance for states, municipalities, and air pollution control agencies:

- *Priority Climate Action Plan (PCAP) – due March 1, 2024*
- *Comprehensive Climate Action Plan (CCAP) – due 2 years from award (summer-fall 2025)*
- *Status Report – due 4 years from award (summer-fall 2027)*

Include the applicant’s general approach to developing all required elements of each deliverable; the entities responsible for completing each element; and a schedule with milestones for developing the deliverable. As appropriate, describe the development process for any recommended element. Describe the decision-making process and the roles of the coordinating jurisdictions, contractors, subawards, lead organization and the general public, especially low-income and disadvantaged communities. For each of the deliverables below, describe the anticipated approach to interagency and regional coordination, and public and stakeholder engagement. Deliverable-specific workplan details are discussed below.

The State of Utah is committed to completing each of the following required deliverables by the dates indicated:

- Priority Climate Action Plan (PCAP) – due March 1, 2024
- Comprehensive Climate Action Plan (CCAP) – due 2 years from award (summer-fall 2025)
- Status Report – due 4 years from award (summer-fall 2027)

The following section summarizes UDAQ’s process for completing each deliverable, including UDAQ’s general approach to developing each of the required (and some recommended/optional) plan elements.

Key Deliverable #1: Priority Climate Action Plan:

PCAP Development Approach:

Describe how the lead organization and coordinating entities expect to develop the PCAP, including key participants, planned development activities, interim deliverables, and timeline. Reference each required PCAP element (i.e., preliminary GHG inventory, quantified GHG reduction measures, low-income and disadvantaged communities benefits analysis, and review of authority to implement) as well as any proposed recommended elements. As appropriate, describe how the lead organization and coordinating entities will consider previously developed climate action plans, GHG inventories, or analyses to inform the PCAP.

UDAQ will lead Utah’s CPRG planning effort, including the development of the PCAP. UDAQ has already begun a review of existing state plans in the Western U.S. and elsewhere, with a specific focus on GHG inventory development and emissions reduction measures. Starting with this review and leveraging past GHG planning experience, UDAQ will work with coordinating entities to develop the following plan elements that will comprise the PCAP:

Preliminary GHG Inventory (and Projections)

Key Participants: UDAQ, EPA, academia

Key Dates: July 1, 2023, through October 1, 2023

Planned Development Activities:

UDAQ will begin the development of a preliminary GHG inventory using the EPA State Inventory Tool (SIT), and – although not required for the PCAP – preliminary GHG projections using the EPA Projection Tool (PT). Both of these elements will provide essential context for the identification and quantification of GHG emissions reduction measures. As the inventory and projection work commences, UDAQ staff will also seek to identify any gaps or limitations of the EPA tools and will determine whether additional inventory work is needed for some source categories. For example, based on a review of GHG inventories in the neighboring states of Colorado and New Mexico as well as UDAQ’s ongoing analysis of oil and gas sector emissions in the Uinta Basin, UDAQ anticipates that additional inventory refinement may be necessary for this sector. UDAQ may attempt to make such refinements in the PCAP preliminary inventory, but it is more likely that such improvements will be included in the CCAP GHG inventory, CCAP projections, and/or in inventory capacity building measures that extend throughout the CPRG planning window and beyond.

Quantified GHG Emissions Reduction Measures

Key Participants: UDAQ, coordinating agencies, SWG, community members, contracted facilitation as needed

Key Dates: July 1, 2023, through February 1, 2024

Planned Development Activities:

UDAQ staff will also develop a preliminary list of potential GHG emissions reduction measures for stakeholder review and consideration. In developing this list, staff will draw inspiration from previous climate, air quality, energy and resource planning in Utah as well as from a review of existing climate action plans in the Western U.S. and elsewhere. Importantly, UDAQ will coordinate with other state agencies to ensure that a robust list of potential strategies is available. UDAQ staff will then work to assess the GHG emissions reduction potential of the preliminary strategies to assist stakeholders with their review. Beginning in summer-fall 2023, UDAQ will convene the SWG, whose members will receive the preliminary list of GHG measures for their consideration. SWG members will be tasked with reviewing the preliminary list and will be encouraged to identify additional strategies for potential consideration. Additional SWG meetings will be held through February 1, 2024, with the goal of prioritizing a list of measures for inclusion in the PCAP and in preparation for CPRG implementation grant funding opportunities in Q1 of 2024.

Low-Income and Disadvantaged Communities Benefits Analysis (and Co-Pollutant Benefits Analysis)

Key Participants: UDAQ, EPA, stakeholder and community members

Key Dates: July 1, 2023, through February 1, 2024

Planned Development Activities:

Though not required for the PCAP, UDAQ anticipates that a preliminary co-pollutant benefits analysis will be necessary to develop the required LIDC benefits analysis plan element. UDAQ will commence both the broader co-pollutant benefits analysis and the LIDC benefits analysis in conjunction with the development of a list of preliminary quantified GHG reduction measures, since many of the potential LIDC benefits are co-pollutant emission reductions that are best quantified alongside GHG reductions estimates. As the list of potential GHG measures for the PCAP is further refined, UDAQ staff and key stakeholders will augment the LIDC benefits analysis beyond co-pollutant emissions reductions to include additional benefits such as increased climate resilience, improved access to services and amenities, job creation/workforce development, and decreased energy costs as appropriate.

Review of Authority to Implement.

Key Participants: UDAQ, other state and local agencies

Key Dates: October 1, 2023, through February 1, 2024

Planned Development Activities:

Because of the likelihood that a diverse array of agencies and organizations will be involved in GHG measure implementation, UDAQ will work with coordination entities to ensure that each implementing entity has the existing statutory or regulatory authority to implement the measure(s) in question. The final PCAP will include verification of existing authorities for each measure's implementing entity and – where additional authorities are needed – a schedule of milestones for actions required to obtain those new authorities.

PCAP Interagency and Intergovernmental Coordination:

Describe how the lead organization intends to collaborate with coordinating entities, other appropriate agencies and offices within their own government and at various levels of government in the development and adoption of the PCAP. As applicable, discuss existing partnerships and how they will be engaged, the creation or expansion of interagency working groups, the creation of a shared electronic repository for background material and working drafts, and a meeting schedule. States must outline coordination with sub-state entities (e.g., municipalities, air pollution control agencies, regional planning organizations, etc.) and tribal nations during the development process as well as how these entities will be provided with the final PCAP in a timely manner for purposes of those entities applying for an implementation grant under the CPRG program.

To initiate PCAP interagency and intergovernmental coordination, UDAQ will develop a matrix of GHG-related IRA and IJA funding opportunities, including identifying all GHG-related funding sources (including administering agency, amounts, eligibility, timelines, etc.), lead state/local entities, and agency leads. Once a preliminary funding matrix has been completed, UDAQ will engage in outreach and coordination with key state and local agency leads for IRA and IJA climate-related funding beginning in summer-fall 2023. This outreach will take the form of ongoing interagency coordination meetings backed by a shared electronic repository for background material, working drafts, meeting schedules, and agendas.

PCAP Public and Stakeholder Engagement:

Explain how the lead organization will involve stakeholder groups and the public in the PCAP development process. Describe the approach to identifying low-income and disadvantaged communities consistent with federal government guidance, conducting meaningful engagement with those communities, and identifying and including those communities' priorities in the PCAP.

UDAQ is committed to robust and diverse community engagement via the development of a CPRG web portal which will include planning elements including schedules, meeting announcements, draft materials, and final work products. Additional outreach will be provided via a listserv, regular media announcements, public presentations, and opportunities for public comment. UDAQ will provide both in-person and virtual participation options and will make accommodations for language and accessibility as needed. UDAQ will use EPA tools such as the EJScreen and Climate and the Economic Justice Screening Tool (CEJST) to help identify low-income and disadvantaged communities within the state.

UDAQ will also establish the SWG with diverse representation and a broad range of technical and subject matter expertise. The SWG will be open to interested parties, but efforts will be made to include a diverse array of stakeholders, including representatives from clean energy and environmental advocates, elected officials, local and state government agencies, academia, industry, energy providers, federally recognized tribes, low-income and disadvantaged communities (LIDCs), and other constituencies who seek to participate.

The SWG will begin meeting in summer-fall 2023, with meetings called as necessary. The SWG will provide critical feedback on the preliminary list of candidate GHG measures, including the recommendation of additional measures as needed. The SWG will continue to iterate with UDAQ and other agency staff to ultimately provide feedback on a proposed final list of priority GHG measures for the PCAP. UDAQ will then coordinate with interagency partners to select

and finalize the list of PCAP measures. UDAQ envisions that some policy measures that are not yet ready for inclusion in the PCAP may form the basis for longer-term strategies, including some that may ultimately be included in the CCAP.

Key Deliverable #2: Comprehensive Climate Action Plan:

CCAP Development Approach:

Describe how the lead organization and coordinating entities expect to develop the CCAP, including key participants, planned development activities, interim deliverables, and timeline. Reference each required CCAP element.

UDAQ will work with coordinating entities to develop the following plan elements that will comprise the CCAP:

GHG Inventory

Key Participants: UDAQ, EPA, academia, outside consultation as needed

Key Dates: July 1, 2023, through January 1, 2025

Planned Development Activities:

Throughout the PCAP planning window, UDAQ staff will continue to review and refine the preliminary GHG inventory. In particular, staff will attempt to address any gaps/limitations in EPA's SIT and will work to make inventory enhancements as needed. UDAQ anticipates that oil and gas sector methane emissions will be one area where additional improvements are needed. UDAQ will work with EPA, members of the academic and research communities, and – if necessary – professional consultants, to improve and refine the preliminary inventory from the PCAP to develop a more robust, accurate, and comprehensive CCAP inventory. UDAQ hopes to leverage the CCAP GHG inventory development process to help build capacity for ongoing GHG inventory work into the future.

GHG Emissions Projections

Key Participants: UDAQ, EPA, large emitters, demographics experts (e.g., University of Utah Kem C. Gardner Policy Institute or similar), and outside consultation as needed

Key Dates: October 1, 2023, through January 1, 2025

Planned Development Activities:

UDAQ will start with EPA's PT projections from the PCAP as a starting point for the CCAP GHG emissions projections. However, these projections will be further refined through consultation with large emitters/emitting sectors (e.g., EGUs, oil and gas sector, mining operations, etc.), consideration for existing or likely federal emissions standards (e.g., light-, medium-, and heavy-duty vehicle and engine GHG standards, lighting efficiency standards, etc.), as well as support from entities with economic and demographic expertise such as the Kem C. Gardner's Policy Institute (or similar). Through these efforts, UDAQ hopes to develop a reference scenario against which quantified GHG emissions reduction measures can be compared, likely with such measures grouped into one or more policy action scenarios or alternatives.

GHG Reduction Targets

Key Participants: UDAQ, SWG, academia

Key Dates: January 1, 2025, through August 1, 2025

Planned Development Activities:

UDAQ anticipates that the development of GHG reduction targets will be approached through a synthesis of the final CCAP emissions inventory and projections, the final CCAP list of quantified GHG reduction measures, and a

climate science assessment (e.g., IPCC or similar) of the GHG emissions levels required to limit climate impacts to acceptable levels. While it is hoped that the basket of CCAP reduction measures will, if implemented, yield emissions reductions to levels required to limit adverse climate impacts, it is recognized that additional reductions may be necessary beyond those achievable through the measures identified in the CCAP. In this case, UDAQ will endeavor to identify the magnitude of any deficiency and will provide a list of candidate measures for further consideration during future climate planning efforts, including planning that may take place during the interim between completion of the CCAP and the required CPRG Status Report in summer-fall 2027.

Quantified GHG Reduction Measures

Key Participants: UDAQ, coordinating agencies, SWG, feedback from community engagement, contracted facilitation as needed

Key Dates: March 1, 2024, through July 1, 2025

Planned Development Activities:

UDAQ anticipates that some measures considered during the PCAP planning window are not yet ready for immediate implementation. While such measures might be excluded in whole or in part from the priority list included in the PCAP, they still may be appropriate for longer-term implementation. Such measures provide a likely starting point for CCAP measures. Additional CCAP candidate measures may include approaches to reducing emissions for so-called hard-to-abate sectors or sources (e.g., aviation, steel, cement, petrochemicals, etc.). UDAQ will again provide a preliminary list of candidate measures for SWG consideration and review and will again solicit SWG member input on additional measures that may have been omitted. If necessary, UDAQ may establish sector-level working groups to utilize the longer CCAP planning window to further scrutinize and refine candidate measures for final consideration. UDAQ anticipates that professional facilitation may be utilized throughout the CCAP GHG measure evaluation and prioritization process.

Benefits Analysis for the full geographic scope and population covered by the plan

Key Participants: UDAQ, EPA, stakeholder and community members

Key Dates: March 1, 2024, through August 1, 2025

Planned Development Activities:

As with the PCAP, UDAQ will conduct the (co-pollutant) benefits analysis in conjunction with the development of a preliminary list of quantified GHG reduction measures for the CCAP, since co-pollutant emission reductions are best quantified alongside GHG reductions estimates. While this plan element is required at the plan level (i.e., for the entire basket of measures included in the CCAP), UDAQ will attempt to identify co-pollutant benefits at the individual measure level as well. UDAQ will further attempt to track, minimize, and mitigate any potential disbenefits resulting from the implementation of GHG reduction measures included in the CCAP and will seek to identify any additional co-benefits of such measures (e.g., health outcomes, economic benefits, increased climate resilience, etc.) where possible.

Low Income/ Disadvantaged Communities Benefits Analysis

Key Participants: UDAQ, EPA, stakeholder and community members

Key Dates: March 1, 2024, through August 1, 2025

Planned Development Activities:

Once the CCAP GHG emissions reduction estimates and benefits analysis are completed, UDAQ will utilize EPA screening tools, economic and demographic metrics and indicators, and stakeholder and community member

feedback to quantify LIDC GHG and co-pollutant reductions. UDAQ will then utilize these estimates to extrapolate and identify other community benefits (e.g., increased climate resilience, improved access to services and amenities, job creation/workforce development, and decreased energy costs) and disbenefits as appropriate.

Review of Authority to Implement

Key Participants: UDAQ, other state and local agencies

Key Dates: April 1, 2024, through August 1, 2025

Planned Development Activities:

As with the PCAP, UDAQ will work with coordination entities to ensure that each implementing entity has the existing statutory or regulatory authority to implement measures included in the CCAP. The final CCAP will include verification of existing authorities for each measure's implementing entity and – where additional authorities are needed – a schedule of milestones for actions required to obtain those new authorities.

Intersection with Other Funding Availability

Key Participants: UDAQ, other state and local agencies

Key Dates: April 1, 2024, through August 1, 2025

Planned Development Activities:

UDAQ will continue to refine and utilize the matrix of GHG-related IRA and IJA funding opportunities developed during the PCAP planning process and will engage in outreach and coordination with key state and local agency leads for IRA and IJA climate-related funding. This outreach will take the form of ongoing interagency coordination meetings backed by a shared electronic repository for background material, working drafts, meeting schedules, and agendas. The goals of this process are to ensure that the State of Utah and its political subdivisions maximize the climate-related implementation funding opportunities established by the IRA, IJA, and other programs and to quantify the emissions reductions that result from utilizing these funding opportunities in the CCAP.

Workforce Planning Analysis

Key Participants: UDAQ, UDWS, Kem C. Gardner Policy Institute (or similar)

Key Dates: July 1, 2023, through August 1, 2025

Planned Development Activities:

UDAQ will work with UDWS and/or the Kem C. Gardner Policy Institute (or similar) to conduct a comprehensive workforce planning assessment for inclusion in the CCAP. The goal of this assessment will be to identify the potential for workforce shortages that could prevent the successful implementation of measures included in the CCAP and to identify potential solutions to help to address such challenges.

As appropriate, describe how the lead and coordinating entities will consider previously developed climate action plans (both state or sub-state plans); existing GHG inventories, projections, or targets; jurisdictional policies or commitments; implementation feasibility and limitations, including workforce challenges; and/or how the PCAP will inform the CCAP. Applicants are encouraged to provide details on how GHG and co-pollutant (criteria air pollutant and toxic air pollutant) reduction potential, costs, benefits, or other metrics will be calculated if known at the time of application.

UDAQ and coordinating entities will leverage previously-developed climate action plans and associated GHG inventories and projections in developing the CCAP. The State of Utah has engaged in at least three climate action planning exercise over the past 25 years, including:

- *Greenhouse Gas Reduction Strategies in Utah: An Economic and Policy Analysis*¹ (1998-2000);
- *Blue Ribbon Advisory Council on Climate Change*² (2006-2009); and
- *The Utah Roadmap: Positive solutions on climate and air quality*³ (2019-2020)

Although the first two climate planning initiatives are somewhat out-of-date, Utah intends to utilize lessons learned from both processes, including experience in developing GHG inventories and working with stakeholders. The more recent *Utah Roadmap* initiative built upon these previous endeavors and identified seven strategies or “mileposts” that may serve as a foundation for Utah’s CPRG planning efforts:

1. Adopt emissions-reduction goals and measure results;
2. Lead by example by switching to a clean state vehicle fleet, adopting energy efficiency goals in state buildings, establishing telework targets, providing additional funding for reforestation, and investing more in energy planning;
3. Create a premier air quality/changing climate solutions laboratory to improve emissions inventories and monitoring, conduct research, advance new technologies, and convene entrepreneurs and experts to innovate;
4. Accelerate quality growth efforts that will provide more transportation choices, support housing options, encourage active transportation, preserve open space, improve energy efficiency in buildings, and link economic development with transportation and housing decisions;
5. Position Utah as the market-based EV state by expanding EV charging stations, incentivizing clean vehicle use, and involving auto dealers in strategies to increase the zero-emissions vehicle supply;
6. Provide economic transition assistance to rural communities by prioritizing economic development investment and partnerships in energy-transition areas; and
7. Participate in national dialogue about market-based approaches to reduce carbon emissions.

Utah’s CPRG planning will also be informed by the principles embodied in the *State Energy and Innovation Plan*⁴ (2022), which details six energy-related commitments for the State:

1. Utah is committed to an “any of the above” energy future, supporting efforts and policies that provide a variety of tools and resources that citizens, communities, businesses, and industries can choose from to deliver or obtain affordable, reliable energy.
2. Utah is committed to American energy independence, pursuing policies and actions that will enable more domestic energy development and enhance global energy security.
3. Utah is committed to pragmatic, market-driven climate solutions that enable innovative energy production. This includes a focus on supporting Utah-based research and development, ensuring we stay good stewards of our environment for future generations of Utahns.
4. Utah is committed to supporting rural communities through economic development and diversification efforts, infrastructure investment, and workforce training and development.
5. Utah is committed to supporting a clean energy future through a strong and responsible mining program for critical minerals; investment in emerging energy technology such as hydrogen, storage, and energy efficiency; and air quality research and incentive programs.
6. Utah is committed to collaboration with its local, regional, and federal partners to pursue infrastructure and innovation projects such as EV charging, transmission, emerging fuel hubs, and coal community support and diversification.

¹ https://geology.utah.gov/docs/statistics/ghg8.0/pdf/ghg_reduction00.pdf

² <https://digital.library.unt.edu/ark:/67531/metadc226742/>

³ <https://gardner.utah.edu/wp-content/uploads/TheUtahRoadmap-Feb2020.pdf?x71849>

⁴ <https://energy.utah.gov/plan/>

Utah's CPRG initiative will also help to deliver on Governor Cox's *One Utah Roadmap*⁵ strategic priorities and action items. Specifically, the One Utah Roadmap commits to taking "meaningful, long-range action to combat poor air quality and climate change," including:

1. Continue converting state fleets to zero and low-emission vehicles and utilizing Tier 3 fuels;
2. Encourage adoption of zero and low-emission vehicles among private fleets with large impacts;
3. Continue investing in electric vehicle charging stations;
4. Invest in multi-modal transportation options;
5. Deliver high profile sustainability projects (inland port and The Point); and
6. Lay the groundwork for the creation of a premier air quality/changing climate solutions laboratory at The Point

Finally, Utah's CPRG planning will be conducted in close coordination with other state and local agencies in a manner consistent with findings, goals, and objectives of the *State Resource Management Plan*⁶ and related county plans.

CCAP Interagency and Intergovernmental Coordination:

Describe how the lead organization intends to collaborate with coordinating entities, other appropriate agencies and offices within their own government, and at various levels of government, in the development and adoption of the CCAP. As applicable, discuss existing partnerships and how they will be engaged, the creation or expansion of interagency working groups, the creation of a shared electronic repository for background material and working drafts, and a meeting schedule.

As with PCAP, UDAQ will engage in outreach and coordination with key state and local agency leads for IRA and IJA climate-related funding. Coordinating entities will continue to meet on at least a quarterly basis following the PCAP submission in March 2024 and these meetings will be backed by a shared electronic repository for background material, working drafts, meeting schedules, and agendas.

CCAP Public and Stakeholder Engagement:

Describe how the lead organization and coordinating entities intend to conduct meaningful engagement with affected communities in the development of the CCAP, especially with low income and disadvantaged communities. At a minimum, describe the method for identifying interested and/or affected stakeholder groups (especially low-income and disadvantaged communities, consistent with federal government guidance), the proposed approach for seeking continuous input, and methods of communicating key decisions and overall progress, providing education, and sharing information with stakeholders both during and following CCAP development.

As described above under the PCAP, UDAQ is committed to robust and diverse community engagement via the development of a CPRG web portal which will include planning elements including schedules, meeting announcements, draft materials, and final work products. UDAQ will build upon past air quality- and climate-related stakeholder engagement efforts to identify interested and/or affected stakeholder groups. UDAQ will also use EPA tools such as the EIScreen and Climate and Economic Justice Screening Tool (CEJST) to help identify low-income and disadvantaged communities within the state. Additional outreach will be provided via a listserv, regular media announcements, public presentations, and opportunities for public feedback. UDAQ will provide both in-person and virtual participation options and will make accommodations for language and accessibility as needed.

For CCAP development, UDAQ will continue its reliance on the SWG with diverse representation with a broad range of technical and subject matter expertise. The SWG will continue to meet following the PCAP submission in March 2024, with additional meetings called as necessary. The SWG will provide critical feedback on UDAQ's candidate list of CCAP measures, including the recommendation of additional measures as needed. The SWG will continue to iterate with UDAQ

⁵<https://governor.utah.gov/2021/01/19/gov-spencer-cox-releases-one-utah-roadmap-a-plan-for-the-first-500-days-of-the-cox-henderson-administration/>

⁶ <https://cdn.arcgis.com/sharing/rest/content/items/81d4406668e34acca4d98275ee41cd07/resources/kAzdpJwE4-GKrAbkrjEfs.pdf>

and coordinating entity staff to ultimately provide feedback on a proposed final list of GHG measures for the CCAP. UDAQ will then work with coordinating entities to select and finalize the list of CCAP measures.

Describe how early and frequent engagement with low-income and disadvantaged communities (described in Section 8.4.3 of the program guidance) will occur and how that engagement will inform the required elements of the CCAP, especially the low-income and disadvantaged communities benefits analysis.

Once we have identified low-income and disadvantaged communities that will be involved in the PCAP and CCAP process, we will hold kick-off meetings in these communities to inform them of the effort, encourage their participation, collect contact information, and gather preliminary feedback on community needs, concerns, and opportunities. We will commit to frequent and ongoing communication with these communities, whether it is through in-person meetings, virtual meetings, email or direct mail.

Key Deliverable #3: Status Report

Status Report Development Approach:

Describe how the lead organization and coordinating entities expect to develop the Status Report, including key participants, planned development activities, interim deliverables, and timeline. The workplan must reference each required element.

Describe the approach to completing any recommended elements, as appropriate. Applicants are strongly encouraged to describe in their workplan how they will update the GHG inventory and projected GHG emissions for this deliverable. This information may help to inform updates to CCAP measures.

The following table summarizes UDAQ’s approach to completing the required and recommended for the Status Report:

Plan Element	Key Participants	Key Dates	Planned Development Activities
GHG Inventory (recommended)	UDAQ, EPA, academia	August 1, 2025, through July 1, 2027	UDAQ will continue to update the GHG inventory at appropriate intervals following the completion of the CCAP and will complete a Status Report inventory in the summer of 2027; UDAQ will work to incorporate any inventory enhancements derived from CPRG capacity building in the final Status Report
GHG Emission Projections (recommended)	UDAQ, EPA, large emitters, demographics experts	May 1, 2027, through July 1, 2027	UDAQ will update Status Report projections in the summer of 2027
Implementation Status of GHG Reduction Measures	UDAQ, coordinating agencies, community members via engagement	August 1, 2025, through July 1, 2027	UDAQ will monitor the implementation status of GHG measures following completion of the CCAP and will complete a Status Report update in the summer of 2027
Updated Benefits Analysis for the full geographic scope and population covered by the plan	UDAQ	May 1, 2027, through July 1, 2027	UDAQ will complete a Status Report update of the benefits analysis in the summer of 2027

Updated Low-Income and Disadvantaged Communities Benefits Analysis	UDAQ, community members via engagement	May 1, 2027, through July 1, 2027	UDAQ will complete a Status Report update of the LIDC benefits analysis in the summer of 2027 and will provide opportunities for community engagement
Updated Review of Authority to Implement	UDAQ, coordinating entities	May 1, 2027, through July 1, 2027	UDAQ will work with coordinating entities to provide an updated review of authority to implement in the summer of 2027
Review of Intersection with Other Funding Availability	UDAQ, coordinating entities	August 1, 2025, through July 1, 2027	UDAQ will work with coordinating entities to monitor other funding availability following completion of the CCAP and will provide a Status Report update in the summer of 2027
Updated Workforce Planning Analysis	UDAQ, UDWS, Kem C. Gardner (or similar)	January 1, 2027, through July 1, 2027	UDAQ will work with UDWS and other appropriate entities throughout 2027 to provide an updated workforce planning analysis
Next Steps/Future Budget/Staffing Needs	UDAQ, coordinating entities	January 1, 2027, through July 1, 2027	UDAQ will work with coordinating entities throughout 2027 to identify next steps, future budget, and staffing needs; meeting will be called as needed

Status Report Interagency and Intergovernmental Coordination:

Describe how the lead organization intends to collaborate with coordinating entities, other appropriate agencies and offices within their own government and at various levels of government in the development of the Status Report and any associated updated elements.

For the Status Report, UDAQ will continue tracking plan elements outlined above and will engage with coordinating entities as needed to monitor progress. Coordinating entity meetings will be called as needed following the processes laid out for the PCAP and CCAP above.

Status Report Public and Stakeholder Engagement:

Describe how stakeholders, including the public and disadvantaged communities, will be engaged in the identification of next steps and funding opportunities. Explain how stakeholders will be informed about the status of the PCAP and CCAP elements and the plan to continue engagement beyond the grant period.

UDAQ will continue to communicate with both the SWG and the broader public regarding progress on the plan elements outlined above and will update the CPRG portal with announcements and related materials as needed. Additional SWG meetings will be called as needed following the processes laid out for the PCAP and CCAP above.

ENVIRONMENTAL RESULTS, OUTPUTS, AND OUTCOMES:

Define the short-term and long-term environmental outputs and outcomes expected to be achieved under the CPRG planning grant (cooperative agreement) and the process for tracking and measuring progress toward achieving those expected outputs and outcomes.

The deliverables and elements in this workplan support EPA’s Fiscal Year 2022-2026 Strategic Plan Goal 1, Tackle the Climate Crisis; Objective 1.1. Reduce Emissions that Cause Climate Change. Utah’s CPRG planning initiative outputs and outcomes are summarized by deliverable and plan element in the table below:

Deliverable	Plan Element	Outputs	Outcomes
PCAP	GHG Inventory	Complete PCAP GHG Inventory	
PCAP	GHG Emissions Projections (Not Required)	Complete PCAP GHG Emissions Projections	
PCAP	Quantified GHG Reduction Measures (Required - Primary)	Number of SWG members participating in plan development; number of SWG meetings, events, stakeholder sessions, etc.; Dissemination of project/technology information via list serves, websites, journals and outreach events.	Tons of GHGs reduced over the lifetime of the measures identified; Tons of GHGs reduced annually; completion of a prioritized list of measures for CPRG Implementation Grant applications
PCAP	Benefits Analysis (Encouraged)		Tons of co-pollutants reduced over the lifetime of the measures identified; Tons of co-pollutants reduced annually; Improved ambient air quality; Health benefits achieved; Economic benefits achieved; Increased climate resilience
PCAP	LIDC Benefits Analysis	Number of low-income and disadvantaged community members participating in plan development; Meetings, events, stakeholder sessions, etc. with low-income and disadvantaged community members	Tons of pollution (GHGs and co-pollutants) reduced with respect to low-income and disadvantaged communities; Creation of high-quality jobs with an emphasis on workers from underserved populations
PCAP	Review of Authority to Implement		More successful GHG measure implementation and associated benefits
PCAP	Intersection with Other Funding (Encouraged)	Number of coordinating entities participating in ongoing coordination; number of meetings held	Improved leverage of CPRG implementation and related funding resources
PCAP	Workforce Planning Analysis (Encouraged)		
CCAP	GHG Inventory	Complete CCAP GHG Inventory	
CCAP	GHG Emissions Projections	Complete CCAP GHG Emissions Projections	
CCAP	GHG Reduction Targets		

Deliverable	Plan Element	Outputs	Outcomes
CCAP	Quantified GHG Reduction Measures (Required - Comprehensive)		Tons of GHGs reduced over the lifetime of the measures identified; Tons of GHGs reduced annually
CCAP	Benefits Analysis		Tons of co-pollutants reduced over the lifetime of the measures identified; Tons of co-pollutants reduced annually; Improved ambient air quality; Health benefits achieved; Economic benefits achieved; Increased climate resilience
CCAP	LIDC Benefits Analysis	Number of low-income and disadvantaged community members participating in plan development; Meetings, events, stakeholder sessions, etc. with low-income and disadvantaged community members	Tons of pollution (GHGs and co-pollutants) reduced with respect to low-income and disadvantaged communities; Creation of high-quality jobs with an emphasis on workers from underserved populations
CCAP	Review of Authority to Implement		More successful GHG measure implementation and associated benefits
CCAP	Intersection with Other Funding		Improved leverage of CPRG implementation and related funding resources
CCAP	Workforce Planning Analysis		
Status Report	GHG Inventory (Update Encouraged)		
Status Report	GHG Emissions Projections (Update Encouraged)		
Status Report	Quantified GHG Reduction Measures (Status and Updates Required)		Tons of GHGs reduced over the lifetime of the measures identified; Tons of GHGs reduced annually
Status Report	Benefits Analysis (Required)		Tons of co-pollutants reduced over the lifetime of the measures identified; Tons of co-pollutants reduced annually; Improved ambient air quality; Health benefits achieved; Economic benefits achieved; Increased climate resilience

Deliverable	Plan Element	Outputs	Outcomes
Status Report	LIDC Benefits Analysis (Required)		Tons of pollution (GHGs and co-pollutants) reduced with respect to low-income and disadvantaged communities; Creation of high-quality jobs with an emphasis on workers from underserved populations
Status Report	Review of Authority to Implement (Update Required)		More successful GHG measure implementation and associated benefits
Status Report	Intersection with Other Funding (Required)		Improved leverage of CPRG implementation and related funding resources
Status Report	Workforce Planning Analysis (Required)		
Status Report	Next Steps/Future Budget/Staffing Needs (Required)		Improved staff and agency capacity to implement policies to address climate change
General Planning	Stakeholder Engagement	Number of SWG members participating in plan development; number of SWG meetings, events, stakeholder sessions, etc.; Dissemination of project/technology information via list serves, websites, journals and outreach events.	
General Planning	Interagency and Intergovernmental Coordination	Number of coordinating entities participating in ongoing coordination; number of meetings held	
General Planning	Quarterly Progress Reports	Tracking and reporting progress of the deliverables throughout the project period and a financial summary of expenditures during the quarterly period.	
General Planning	Final Report	Providing a high-level summary of completed deliverables, outputs and outcomes achieved, and a financial summary of expenditures during the grant period.	

Performance Measures:

UDAQ will use the timeline of each plan element as the key metric for tracking progress and completion. The quarterly progress reports will provide a comparison of the proposed activities with actual accomplishments toward the outputs and outcomes. Successful completion of each plan element will be the key metric by which each progress is measured. In the event that plan elements are not completed by the specified date, UDAQ will use the quarterly progress reports to detail the reasons for any delays as well as the approach that will be taken to rectify such issues and resume progress.

SCHEDULE:

Provide a detailed schedule covering the 4-year duration of the planning grant (cooperative agreement). Key milestones and completion deadlines should be provided for each deliverable and reporting requirement. The schedule may include reporting and Quality Assurance Project Plan (QAPP) development, key meetings, public outreach, procurement and hiring deadlines, and completion of required workforce planning analysis and any legal or policy review. [Sample schedule](#).

A detailed schedule covering the 4-year duration of the project period (July 1, 2023, through July 1, 2027) is included as an attachment. Please note that the schedule includes a Final Report date of October 29, 2027. This date extends beyond the end of the 4-year project period (July 1, 2027) to reflect the 120-day post-project period Final Report due date.

REPORTING:

As described in Section 12.6 of the program guidance, quarterly reporting is required. These reports cover work status, work progress, difficulties encountered, financial expenditures, preliminary data results if applicable, anticipated future activities, and any changes of key personnel. The development of these reports should be included in the schedule and accounted for in the budget.

UDAQ will provide quarterly progress reports beginning 30 days after the first quarter of the award date that will track progress on the proposed outputs and outcomes. The quarterly reports will include financial expenditures for the quarter; status of progress; a comparison of actual accomplishments with the anticipated outputs, outcomes, and timelines; any challenges that may arise; and expected activities to occur the next quarter.

A final report will be provided within 120 calendar days of the project period end date that includes a high-level summary of activities that were completed during the grant project period, including specific outputs and outcomes that were achieved and a financial summary of expenditures.

BUDGET:

Submit a consolidated narrative budget for each year of the four-year grant award that adheres to federal budget categories and guidelines along with the workplan. (See <https://www.epa.gov/sites/default/files/2019-05/documents/applicant-budget-development-guidance.pdf> for more details on budget categories.) The budget must itemize the proposed costs related to:

- ***personnel and fringe benefit costs for staff (including administrative, financial, technical and legal support) to develop the deliverables;***
- ***any anticipated travel, which may include in-person attendance to an annual Climate Innovation Team meeting if participating;***
- ***equipment (tangible items with useful life of more than one year and a cost of \$5,000 or more per unit);***
- ***supplies (e.g., office supplies, modeling software, printing, etc.);***
- ***contractual procurements;***
- ***other direct costs, which may include subawards, if applicable; and,***
- ***indirect charges***

The budget should include the cost for each year and for the entire four-year grant period. The budget should be developed consistent with the details provided in the deliverable discussions above. [Sample Budgets](#).

A consolidated narrative budget is included with this application.