

R&D PROJECT PLAN

08_GHG PROGRAMS STUDY - PHASE 2

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OVERVIEW

1. Participants

Participant Name (* = team lead(s))	Participant Organization	Participant Phone	Participant email
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2. Project Description

state, local, and tribal (SLT) GHG emissions data needs, cross-walk to EPA's GHG Reporting Program (GHGRP) requirements and implications for CAER

3. Project Steps

- a. **Nationwide State, Local and Tribal GHG Emissions Data needs:** Collect and review existing GHG reporting requirements for SLT's emission inventory programs and permit requirements (e.g. Title V).
 - i. State/local team members develop an SLT survey form that will provide information for the following:
 1. Identify states with GHG reporting programs
 2. Mandatory, voluntary, or no reporting
 3. If there is a GHG reporting program:
 - a. Purpose & use
 - b. Authority (regulatory)
 - c. Pollutants covered
 - d. Industries covered
 - e. Levels of detail for reporting
 - f. Calculation methods
 - g. Where and how it maps to Part 98 (EPA GHGRP)
 - h. Sources and uses of supplemental external GHG data (e.g. Part 98 data, US GHG Inventory etc)
 - i. How the data is collected (paper, electronically, system)
 - j. Relationship to State NEI data collection

- k. Reporting deadline
 - l. Are any of the reported data held as CBI
 - m. Willingness or interest of State to out-source data collection (at least for data elements duplicative with Part 98) to EPA and to share data collected with EPA to support facility compliance with Part 98.
4. If there is no GHGRP program:
- a. Does the agency have need for GHG data? If so:
 - i. What do they use GHG for
 - ii. How do they get GHG data (e.g. external sources like EPA Part 98 data, US GHG Inventory, etc)
- ii. State/local team members conduct the survey nationwide for all states.
- iii. Based on information from the survey, and information on the federal GHGRP, compile a summary report that will:
- Identify which SLT's have mandatory, voluntary or some combination of GHG emission reporting requirements
 - Identify relevant SLT regulatory references (statute, standalone regulation, broader air pollution reg etc...), and sources of GHG emissions calculation methodologies
 - Identify which GHGs are included, and whether the expected emissions are mass-based and/or CO₂-equivalent based
 - Include any activity/throughput data that are collected to support GHG emissions calculations and whether the SLTs label as CBI
 - Identify level of reporting (i.e. corporate, facility, unit, process etc.)
 - Identify any threshold requirements (including source category specific thresholds) for reporting emissions under the SLT program
 - Identify industries required to report.
 - Identify timelines for GHG emissions reporting
 - Identify the uses of GHG emissions data for the SLT programs—e.g., emissions fees, permitting, state-level inventory purposes, etc.
 - Compare state vs federal GHG reporting data requirements and methods
 - Identify states that may be willing to work with EPA to consolidate reporting of duplicative data elements with Part 98, such as through existing GHGRP to State workflows or the CAER model, including examples why or why not.
 - Make recommendations on whether results indicate potential for Federal to State or State to Federal data model under CAER, including examples of why or why not.
 - If it is found that there is potential for data sharing, recommend states/industries where common reporting has the greatest potential to reduce industry burden based on the number of facilities impacted and amount of data that could be shared.
- b. **State-Specific, Source category-Specific to Federal GHGRP Data Mappings:** Based on the Phase 1 PDT GHG Project, map one or more additional source category sectors

between State and federal GHGRP, using results from the survey to identify and recruit appropriate state partners. Include results in Summary report above.

4. Prior Work

- A. CAER R&D GHG Mapping Study Project – Phase 1 report
- B. GHG-related responses from the CAER Data Model Team – Phase 1 project survey

5. Deliverables

- A. Survey (questions)
- B. Survey results
- C. Compilation Report
- D. Detailed Mappings (spreadsheets/narrative)

6. Resource Needs

The team anticipates the need for contractor support in compiling the results of the survey. The team also anticipates the need for contractor support in analyzing and interpreting survey results. The team anticipates the need for contractor support in analyzing detailed State to Federal GHGRP requirements mappings.

7. Expected Workload

Team members should expect to participate in bi-weekly meetings, lasting 1 hour in length for a period roughly 5 to 7 months, depending on the length of the project. At the start of the project, State team members will be expected to compile the nationwide survey, including areas of coverage and specific questions designed to identify areas of overlap between State needs and federal data availability. Upon completion of the SLT survey/research on nationwide SLT greenhouse gas data needs, team members will need to spend some time considering these results for inclusion in the team's deliverables. Lastly, in preparation of final products, team members will be expected to provide input for drafting the final report and any associated products. Team members may also be called on for supporting and participating in outreach opportunities (presenting results to PDT, CAER audiences, conferences, webinars, etc.).

Based on this expected workload, team members can expect to spend, on average, roughly 1 to 2 hours per week on the project. Some members may experience higher workload at time around compilation steps, where data is being centrally pulled together.

DELIVERABLES & EXPECTED COMPLETION DATES

Below is a list of key deliverables and expected completion dates. Dates are estimates and may be affected by the extent and availability of resources. Also, note that the project team plans to update the PDT near the completion dates for major project steps shown below and the project team lead will contact the PDT co-chairs in advance of those dates to set an appropriate report out time and date with the PDT.

Deliverable	Expected Completion Date
A. Draft compilation National SLT GHG Data Needs survey (PDT review?)	February 23, 2018
B. National SLT GHG Data Needs survey finalized and disseminated through ECOS	March 9, 2018
C. Results of survey/questionnaire of SLT GHG Data Needs through ECOS (responses)	April 13, 2018
D. Draft compilation report on survey results	May 31, 2018
E. Draft State-specific, source category specific mapping(s)	June 29, 2018
F. Final compilation report on survey results (without state/source data mappings)	July 6, 2018
G. Final State-specific, source category specific mapping(s) and summary incorporated into compilation report	August 24, 2018