

CADMUS

Task 1: Greenhouse Gas Inventory: Comments from Data & Science Subcommittee Recommended Decision Points

August 11, 2021





Comments from Data and Science Sub Committee

Task Objectives

Task 1a

Current Inventory Scope and Methods

Review and identify method and data sources by sector

Compare to EPA and IPCC Guidelines

Compare with MA, NY, and CA

Cross Walk Table

Identify opportunities for modifications, complements or supplemental analyses

Task 1b

Consumption based and upstream inventory methodologies

Literature review for Consumption Based Emissions Inventory (CBEI) in MN and OR

Inputs from stakeholders on additional issues and opportunities

Deliverable

10-15 page report

Summarize findings from Tasks 1a and 1b

Presentation

Comments from DSSC

- Provide additional example of Consumption Based Emissions Inventory (CBEI) from Minnesota to help illustrate that CBEI may have lower or higher emissions than sector-based inventory depending upon the export/import balance for a state.
- Provide more clarity on upstream and lifecycle emissions. Include discussion for all energy resources not select examples.
- Provide more explicit recommendation and comparison to other states on accounting for Renewable Energy Credits (RECs).
- Include Assessment Report (AR5) Global Warming Potentials (GWP) for comparison.
- Provide biogenic CO₂ estimates based on factor of 0.3.

Key Findings and Recommendations

The comments and edits offered by the DSSC result in minor modifications to the Technical Consultant Team's initial Key Findings and Recommendations:

- Recommend continuing REC accounting
- Recommend upstream emissions analysis for energy



Decision Points

DSSC Decision Points

1. Adopt revised report and forward to full Climate Council.
2. Maintain sector-based inventory and methods as basis for Climate Action Plan (CAP).
3. Provide Supplemental Information on Biogenic CO₂ and shorter GWP horizon for CH₄.
4. Conduct Upstream Emissions Analysis for Energy to Inform Mitigation Strategies.
5. Maintain REC accounting.
6. Adopt Key Category Analysis for Future Inventories.



Thank You