

CADMUS

Science and Data Subcommittee Meeting

GHG Tracking and Reporting Framework

September 17, 2021




Agenda

Technical Services Scope of Work

Preliminary Metrics

Discussion



Technical Services Scope of Work

GHG Tracking and Reporting Framework Scope

- Develop list of potential metrics based on pathways, LEAP analysis
- Engage state staff and council members
 - Refine list and prioritize metrics
 - Identify data gaps
 - Determine user needs
- Develop tool
 - Finalize metrics
 - Locate appropriate data sources
 - Design interface
 - Train staff



Preliminary Metrics

Metrics Scoping

- Emission reduction gap or surplus to target trajectory, overall and by sector
- Adoption rates (and where possible market share) of clean technology and fuels (e.g. EVs, ASHPs, biofuels)
- Weatherization and efficiency measures
- Equity (participation by geography and income class)
- Health benefits (will survey literature and discuss with VCC and project manager to identify)
- Financial benefits (net savings accounting for customer investments, program support, fuel, and other savings)
- Program costs

Initial Key Metrics

Buildings	Transportation	Electric	Non-Energy	Other
<p>Weatherization by building type, income (county?)</p> <p>Heating system conversions by type, displaced fuel, building type, income (county?)</p> <p>Costs (public and private) by project type, savings and avoided emissions</p>	<p>Sales and stock by vehicle type, income qualified participation</p> <p>Charging stations by type</p> <p>Managed Charging participation</p> <p>Transit and managed demand people miles</p> <p>Costs (public and private) by project type, savings and avoided emissions</p>	<p>Generation and capacity by source – in an out of state</p> <p>Behind the meter/group net metering capacity and generation by income and geography</p> <p>Transmission and distribution upgrades</p> <p>Electric share of final energy demand</p> <p>Costs (public and private) by project type, savings and avoided emissions</p>	<p>Land use change – forestry and forest management practices</p> <p>Enteric fermentation alternative practice shares, adoption and cost</p> <p>Soil management – rate of sequestration, adoption of alternative practices</p> <p>ODS substitutes & semi conductor – emissions and improved management costs and reductions</p>	<p>Activity Drivers and Assumptions –</p> <p>Population- household size, density and types</p> <p>Economic – GDP</p> <p>Climate – heating and cooling degree days</p>



Discussion

Discussion

- What goals does the Subcommittee have for the tracking and reporting tool?
- What metrics does the Subcommittee anticipate will be critical to measuring success of the CAP?
- Are there key data source of which we should be aware?
- Are there key data gaps of which we should be aware?