

DISCUSSION DRAFT v 2.0 5/20/21

Item 2: GHG Inventory

SUBCOMMITTEE GOAL/PURPOSE: reviewing the suitability of Vermont's current GHG emissions inventory for assessing progress toward meeting the requirements of the GWSA.

What are the key questions that need to be answered?	How should the committee go about answering them?	Prioritization level/proposed timeline
Difference between 10 VSA 582 and GWSA requirements	DEC Presentation/Subcommittee Discussion	Completed
Overview of current tools/methods used in current inventory for each sector	DEC Presentation	<u>Completed</u>
What type of data is needed for each type of inventory (consumption, production, lifecycle)? How would inventory be used in Vermont? Should the current inventory be supplemented or revised with other methodologies or analyses? If yes, what resources would be necessary to complete such work, and what frequency should it be completed?	DEC presentation/discussion on basic terms/types Technical Consultant recommendation Subcommittee Discussion	High Priority
Discussion of other jurisdictions data/methods for their inventories through time	Technical consultant summary	May-June
What methodological guidance should be considered? (e.g. IPCC, statute, other source data)	DEC, Technical consultant/Subcommittee discussion	May-June
How should we define certain terms such as gross and net emissions, biogenic CO2, and land-use, land use change, forestry (LULUCF), <u>as well as a carbon budget?</u>	Technical consultant/Subcommittee discussion	
What timeframe is appropriate for use? In other words, GWP100, GWP20, or other?	DEC, Technical consultant/Subcommittee discussion	May-June
Do policy/program emissions calculations need to be calculated the same as the Climate Inventory? What are the implications?	Technical Consultant/Subcommittee discussion	May-June
What is the appropriate treatment of specific areas, including REC accounting (hourly vs. annual emissions), hydro electricity,	Technical Consultant/Subcommittee discussion	

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biomass, and natural gas emissions, methane releases from agriculture treated differently, GHG emissions related to livestock?		
Item 3: Modeling of Energy & Non-Energy Emissions Scenarios via LEAP		
SUBCOMMITTEE GOAL/PURPOSE: Engage with base energy & emissions modeling, vetting assumptions, make recommendations with regard to any data improvements		
What are the key questions that need to be answered?	How should the committee go about answering them?	Prioritization level/proposed timeline
What tool should be used to model?	CEP LEAP tool – presentation to subcommittee and full council about the modeling expected and timeline provided comfort	Already Occurred
Are assumptions made/calculations reasonable?	PSD presentation on assumptions, Subcommittee review/discussion; comparison between EAN model	PSD initial presentation Week of May 17 re: Business as Usual, June/July for pathways
How have geographic and demographic emissions been modeled, if at all? How should they be modeled?	LEAP modeling effort (PSD) Subcommittee Discussion	Week of May 17 re: Business as Usual, June/July for pathways
What data would improve upon the calculation of energy use/emissions?	Subcommittee Discussion, Stakeholder/Public Outreach?	Week of May 17 re: Business as Usual, June/July for pathways
Item 6: Social Cost of Carbon		
SUBCOMMITTEE GOAL/PURPOSE: Recommend a Social Cost of Carbon Value for consideration by the full Council		
What are the key questions that need to be answered?	How should the committee go about answering them?	Prioritization level/proposed timeline
Should the subcommittee direct creation of a social cost of carbon value or utilize currently available methodology?	Previous discussions have determined using currently available methodology - Subcommittee discussion informed by Technical Consultant summary of available options?	Technical Consultant recommendation/review
What is the appropriate discount rate for Vermont?	Technical Consultant interview each Council Member to determine an appropriate discount rate	Technical Consultant Recommendation/review
How are demographic, intergenerational impacts addressed?	Technical Consultant	Technical Consultant Recommendation/review
Item 6a: Cost-Benefit Analysis		
SUBCOMMITTEE GOAL/PURPOSE: Identify the appropriate inputs to policy/pathway cost-benefit analysis.		

What are the key questions that need to be answered?	How should the committee go about answering them?	Prioritization level/proposed timeline
How do costs/benefits change based on demographics (e.g. income, geography, race), and characteristics (fuel use, electric service territory, housing type, etc.)?	Analysis may not get to this level – illustrative analysis? Technical Consultant consideration.	Technical Consultant Recommendation/review
What are the broad economic impacts of policy/scenario choices?	Technical Consultant Economic modeling based on LEAP outputs	August/September
What is the appropriate boundary for the cost-benefit tests? (e.g. customer, public investment, and/or “societal”) What are the core drivers and level of uncertainties?	Subcommittee Discussion informed by Technical Consultant	June ?
What are the potential CO ₂ e benefits/costs from each mitigation measure and the cost for each? “cost of GHG reductions model”	Technical Consultant Review/Recommend	Summer
What are the co-benefits/costs of GHG emissions and emissions reductions strategies? How should they be quantified?	Subcommittee Discussion informed by Technical Consultant	Determination of co-benefits – July; Recommendation of how valued – August