

DRAFT Workplan for Subcommittee Comment y 2.0 5,20.21

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- This is a TENTATIVE WORKPLAN; the expectation is that subjects/timing is likely to evolve depending on capabilities of subcommittee members, staff, consultant, and needs of other subcommittees.

Note: Detailed topic questions are developed in Item Specific Questions in a Separate Document.

- **MODIFICATION:** Updated based on comments received over the previous several weeks

Deleted: INCLUDED GENERAL TOPIC AREAS BASED UPON IDEAFILIP EXERCISE FROM 4.14 AND ¶  
- REMOVED FROM THIS TABLE DETAILED DISCUSSION OF THE SELECTION OF TECHNICAL CONSULTANT PURSUANT TO RFP. AT 4.14 MEETING THIS WAS DELEGATED TO A SMALL SUBSET OF SUBCOMMITTEE MEMBERS.

Item	Date	Task	Topic	Notes/Discussion Questions
1	4.21.21	Revised Work Plan Discussion	Work Plan	Discussion of Work Plan that was revised in light of 4.14.21 meeting
2		GHG Inventory: - Statutory Requirements of 10 VSA 582 and GWSA - Key Discussion Points (see list below))	GHG Inventory	Discussion of How the Committee Should Go about answering these questions (e.g. Consultant? DEC? Presentations?)
3		Review Results and Assumptions – Initial, mid-stream, final - Energy needs forecast (BAU and after policy implemented)	LEAP Modeling, <a href="#">Data Availability &amp; Use</a>	<ul style="list-style-type: none"> <li>- Is this presentation to full committee or a subset of interested folks?</li> <li>- Later on, there will be an opportunity for review of scenario assumptions and results.</li> <li>- Identification of data needs to improve in future, e.g.                             <ul style="list-style-type: none"> <li>o Housing</li> <li>o Town &amp; County level</li> <li>o Migration</li> <li>o Land use change, <a href="#">to include land ownership/management/development trends</a></li> </ul> </li> </ul>
4		Identifying the current and plausible range of climate change impacts - Overarching narrative that would appear at the beginning of the entire Climate Action Plan - 2021 projections of future climate	Climate Data, Modeling and Projections	<ul style="list-style-type: none"> <li>- Data, analysis, interpretation provided by the meteorology &amp; climatology expertise on the subcommittee</li> <li>- Collaborate with the other subcommittees on the thresholds, natural hazards/extreme events needed to fully capture climate resilience of peoples, the landscape and agricultural sectors</li> <li>- All-hazards approach will be taken</li> <li>- Work to be done in parallel with other analyses and modelling</li> </ul>
5		Human dimensions and health	Impact of climate change on humans	<ul style="list-style-type: none"> <li>- Air quality</li> <li>- Vectorborne and water borne disease</li> <li>- Heat-related impacts</li> <li>- Mental health</li> <li>- Ability and/or capacity to adapt to climate change</li> </ul>

**Commented [WP1]:** Added this specific based on suggestion from Lauren Oates. Unless there is discussion at next subcommittee otherwise, this general area of "Data Availability and Use" will be moved to a separate topic item, where "identification of data needs to improve in the future" will be elevated to affecting more than just LEAP modeling.

6	Social Cost of Carbon	Social Cost of Carbon Cost benefit analysis	<ul style="list-style-type: none"> <li>- Appropriate discount rate to be used</li> <li>- Where draw the boundaries for cost-effectiveness screening</li> <li>- Energy Burden analysis</li> <li>- Co-benefits/costs of GHG emissions and emissions reductions strategies</li> </ul>
7	Begin Develop monitoring and assessment strategy to be used to assess program effectiveness and progress toward meeting the requirements of the GWSA	Evaluation, Tracking, Monitoring Strategy	<a href="#">Begin to develop, or establish the process to develop, data governance protocols.</a> <ul style="list-style-type: none"> <li>- <a href="#">How will data be managed, catalogued, collected?</a></li> <li>- <a href="#">Who is responsible for keeping track of authoritative sources across datasets?</a></li> </ul>
8	Drafting Report – pulling pieces together	Report Drafting	Actively drafting or reviewing drafts?

## GHG Inventory Key Discussion Items and Questions

### For Discussion

- DEC discuss the difference between 10 VSA 582 (GHG inventories; registry) and the GWSA requirements
- Discussion of inventory types (“production” based (current), lifecycle, consumption based)
  - o What data is needed for each type of inventory, and what are the resources necessary to collect such data?
  - o How would inventory be used in Vermont?
- Basic overview of tools/methods used in current inventory for each sector (high level).
- Discussion of other jurisdictions data/methods for their inventories through time.
  - o Is it important to have [consistency in reporting across states?](#)
- What methodological guidance should be considered? [For example:](#)
  - o IPCC 2006 guidelines and 2019 refinement,
  - o state statute (10 V.S.A. § 582),
  - o [2007 Final Vermont Greenhouse Gas Inventory and Reference Case Projections, 1990 – 2030](#)
  - o [EPA National Inventory methods for US Greenhouse Gas Emissions and Sinks](#)
- Discussion of Gross and Net emissions, Biogenic CO2, land-use, land use change, and forestry (LULUCF), [and a carbon budget](#)
- Discussion of GWP values 100 year vs. 20 [year](#)
- Discussion of policy tracking versus inventory calculations
- Sector or technology specific topics, for example:
  - o REC accounting (hourly vs annual emissions),
  - o hydro-electricity,
  - o Biomass
  - o VMT vs fuel sales
  - o Natural Gas

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**Commented [WP2]:** This section added based on feedback from John Adams.

**Commented [WP3R2]:** Example of fields to identify data

title  
description  
theme  
Main thematic category of the dataset.  
modified  
Most recent date on which the dataset was changed, updated or modified.  
publisher  
The publishing entity and optionally their parent organization(s).  
temporal  
The range of temporal applicability of a dataset (i.e., a start and end date of applicability for the data).  
spatial  
The range of spatial applicability of a dataset. Could include a spatial region like a bounding box or a named place.  
accrualPeriodicity  
The frequency with which dataset is published. (You can change the name of this field to ‘frequency’.)  
landingPage  
This field is not intended for an agency’s homepage (e.g. [www.agency.gov](#)), but rather if a dataset has a human-friendly hub or landing page that users can be directed to for all resources tied to the dataset.  
describedBy  
URL to the data dictionary for the dataset.

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**Commented [WP4]:** Potentially lower priority from Ag perspective (Ryan Patch) because their review shows that most states are similar although there are indeed deviations between states.

**Commented [WP5]:** Agency of Ag has commented that this discussion may not be as timely as others, given that US National Inventory, OPCC, and UNFCCC currently use GWP 100

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Also, as discussed at the last meeting, DEC is willing to provide an abbreviated written summary of the Climate Methodology, however it may take 2-3 weeks to complete. Something high level may be available sooner. Some limited information on methodologies is available in the [1990 – 2014 comprehensive report](#) (although pieces of that have changed/are changing). DEC can produce a more comprehensive but fairly high level methodology document in the next couple of weeks – this could be better informed by discussion in the meantime.

All of this is in service of the following question:

- Does the Committee further recommendations for revising or supplementing the Climate Inventory with other methodologies or analyses?
  - o What resources would be necessary to complete such work?

It is expected that the technical consultant, working in coordination and collaboration with the DEC, would provide input and recommendations to the Committee.