

Clean Heat Standard Technical Advisory Group  
November 26, 2024 Meeting Minutes

Attendees

- Members of the Technical Advisory Group present
  - Matthew Bakerpoole (in place of Alek Antczak), Vermont Department of Public Service
  - Matt Cota, Meadow Hill Consulting
  - Luce Hillman, University of Vermont
  - Emily Grubert, individual
  - Ken Jones, Individual
  - Michelle Keller, Fraktalas Energy
  - Casey Lamont, Burlington Electric Department
  - Sam Lehr, Molecule Group
  - Emily Roscoe, Efficiency Vermont
  - Jared Ulmer, Vermont Department of Health
  - Floyd Vergara, Clean Fuels Alliance America
  - Rick Weston, Individual
  - Brian Woods, Vermont Agency of Natural Resources
- Facilitator
  - Catherine Morris, Consensus Building Institute
- Participating Vermont Public Utility Commission staff
  - Deirdre Morris

**Welcome & Review of agenda [Time Stamp 0:00:00]**

**Review and approval of [11/14/24 minutes](#)**

*[Michelle Keller moved to approve the 11/14 meeting minutes. Approved by unanimous consent. Motion passed at 10:36 a.m.]*

**Updates from the PUC [Time Stamp 0:04:00]**

*[Reminder that the Commission's Order on early action credits was issued last week (in today's meeting materials). The group will discuss at the next meeting whether or not to provide feedback to the Commission on the valuation of EAC (feedback due 12/13); Opinion Dynamics will finalize all deliverables before the end of the year, window for suggesting significant changes has closed. Direct, actionable feedback requested at this late stage.]*

**Opinion Dynamics' Draft #2 TRM and related worksheets [Time Stamp 0:11:00]**

- TAG preliminary questions and comments to be shared with Opinion Dynamics; discussion will continue at the next TAG meeting

*[Group began discussing first reactions to second draft deliverables. Next steps: convene a subgroup to meet 12/5.]*

*[Public comments included a concern about the assumptions being use for wood fuel – that it is a waste product and that burning wood does not emit CO2.]*

**Review of Installed Clean Heat Measure Credit Characterizations** (*memo circulated in advance*) [Time Stamp 0:45:45]

*[Group discussed example credit values. Next steps: determine what, if anything, the TAG needs to communicate to the PUC on this topic. Measures that appear to be outliers could be a subject for the subgroup to take up.]*

**Break**

**Translating CIs to credit values<sup>1</sup>** [Time Stamp 0:45:45]

*[This agenda item was discussed in tandem with the previous item.]*

**Clean Heat Measures and Energy Savings<sup>2</sup>** [Time Stamp 1:10:15]

- Presentation at 11/14 meeting will be circulated in advance
- Discussion of TAG's takeaways and what to convey to the PUC

*[Group discussed Efficiency Vermont's analysis of measure impacts – the review did not include all clean heat measures eligible in statute (or included by Opinion Dynamics). Next steps: the group will work with EVT to understand where the group can go with this information. TAG will need to find a way to incorporate delivered fuels into this analysis.]*

*[Public comments included a concern about the ROI for insulation, commenting that pay back can be much sooner based on the baseline conditions.]*

**Agenda items for next TAG meeting currently scheduled for Dec. 12<sup>th</sup>** [Time Stamp 01:29:00]

*[In addition to the draft 12/12 meeting agenda, the group should expect to discuss valuation of early action credits and the tying up of TAG tasks that won't be accomplished by the end of the year.]*

**Close**

*Meeting adjourned at 12:06 p.m.*

Meeting recording: <https://youtu.be/RrAJTM98ikY>

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<sup>1</sup> Relates to TAG tasks in § 8128(a)(2) and (5): “(2) establishing and revising the clean heat credit value for different clean heat measures; ... (5) establishing credit values for each year over a clean heat measure’s expected life, including adjustments to account for increasing interactions between clean heat measures over time so as to not double-count emission reductions;”

<sup>2</sup> Relates to TAG task in § 8124(d)(2): “(2) Of their annual requirement, each obligated party shall retire at least 16 percent from customers with low income and an additional 16 percent from customers with low or moderate income. For each of these groups, at least one-half of these credits shall be from installed clean heat measures that require capital investments in homes, have measure lives of 10 years or more, **and are estimated by the Technical Advisory Group to lower annual energy bills**. Examples shall include weatherization improvements and installation of heat pumps, heat pump water heaters, and advanced wood heating systems. The Commission may identify additional measures that qualify as installed measures.” [emphasis added]