

Q.VGS.INTERVENORS.1-13: Please refer to Pages 14 and 15 of Dr. Grubert's Direct Testimony in response to question 18 discussing methods to assess the cost-effectiveness of GHG emission reduction investments.

- a. Has Dr. Grubert performed an assessment of the cost effectiveness of GHG emissions reductions strategies "constrained to solutions that deliver zero emissions by 2050"? If so, please produce all related documents and analysis, including the cost impacts on Vermont energy consumers.
- b. Please provide an example where decision-makers, companies, regulators, legislators, or any others have relied upon the type of cost-effectiveness valuation you describe and produce documentation of both the analysis and the fact that it was relied upon.

A.VGS.INTERVENORS.1-13:

- a. I object to this interrogatory on the basis of irrelevance to the question of my opinion on the best approach for evaluating the cost effectiveness of GHG emissions reduction strategies. I note further that an approach that does not reach a goal is not a cost effective means of reaching that goal even if it is cheaper than approaches that do meet the goal. I have not modeled the relative cost effectiveness of various paths to Vermont's stated goal of net zero emissions.
- b. See A.VGS.INTERVENORS.1-13a.

Respondent: Dr. Emily Grubert
Title: Witness for Catherine Bock
Date: Sept. 13, 2022