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Jim Duffy and Sam Wade
California Air Resources Board
Sacramento, California

Dear Jim and Sam,

I saw that CARB recently posted a public comment period on the OPGEE model. I am currently working with NGOs and the policy community to assess global oil and gas climate impacts, focusing specifically on methane emissions.

We are eager to have OPGEE be a standardized tool so that different versions are not circulating. OPGEE is a critical part of the Oil-Climate Index that is used to estimate total lifecycle emissions from oil fields worldwide. We are now expanding this analysis to include gas fields. To this end, it makes sense to include the following in the OPGEE model that is currently being updated as version 2.0b.

- Include a tab to calculate methane emissions to distinguish this potent greenhouse gas from CO₂-equivalent emissions
- Add a switch for users to choose a 20-year global warming potential (GWP) versus the current default 100-year GWP
- Include energy return on investment (EROI) calculations into OPGEE to distinguish emissions based on net energy return
- Include an uncertainty analysis so that users can ascertain reasonable error-bar ranges for the estimates OPGEE calculates.

Thank you very much for all that you've done to support the continued development of OPGEE and Adam Brandt's research. This is a critically important analysis tool with many different applications. It has been vital in my policy research and in our ability to brief a wide array of stakeholders so that they can make better informed energy decisions and craft more efficient climate policies.

Please don't hesitate to let me know if you have any questions. I can be reached at 202-957-8849.

Sincerely,

Deborah Gordon
Director, Energy and Climate Program