

## **Comment 1 for Proposed Research Projects for Fiscal Year 2023-2024 (researchplan2023) - Non-Reg.**

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Subject: emissions of venting v flaring from fracking wells

Comment:

Which has a higher GWP?

On the one hand, venting gasses are over 80% methane, which has a 20 year GWP that is 84 times higher than that of CO<sub>2</sub>. Because there is no combustion, fewer toxic air contaminants (TAC) are created. However, methane increases tropospheric ozone which is toxic to the respiratory system.

In contrast, TAC co-pollutants are created by combustion during flaring. These include PM, black carbon, and nitrogen oxides - each of which has a higher GWP than that of CH<sub>4</sub>. (CO<sub>2</sub> emitted can be toxic and has a GWP of 1.) When the GWP of these TACs is added up, is the GWP of the cocktail higher than that of CH<sub>4</sub> from venting?

Thanks,

David

Attachment: "

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No Duplicates.

**There are no comments posted to Proposed Research Projects for Fiscal Year 2023-2024 (researchplan2023) that were presented during the Board Hearing at this time.**