



## Agenda for Ozone Depleting Substances (ODS) Technical Working Group Meeting 2

April 23, 2024 | 8:00 am – 10:00 a.m.

Location: Virtual (Zoom), open to the public.

### Welcome, overview of meeting agenda and logistics

- Review goals of the working group and ODS protocol updates
- Review the working group charter (meeting logistics and expectations of members)
- Regulatory context
  - Regulatory requirements for offsets
  - Ecology's HFC rule
  - DEBs
  - Environmental justice considerations

### Topic 1: Update GWP values

Ecology will present a considered protocol revision **to update Global Warming Potential (GWP) in the protocol from AR4 to AR5 values**, as well as alternatives including:

- Aligning with GWP values in Ecology's HFC and GHG reporting regulations, which are a [combination of AR4 and AR5](#)
- Adopting a schedule for GWP updates within the protocol
- Retaining AR4 values to align with EPA Reporting values

### Discussion Questions:

- What additional context or considerations related to this topic should Ecology be aware of?
- Should Ecology adopt AR5 GWP values? Why or why not?
  - Are there any cases where AR5 values for specific substances or categories of substances should *not* be adopted?
- Should Ecology include a scheduled conversion to AR6 values?
- Does this change contribute to Ecology's programmatic goals of this rulemaking:
  - Reflect advances in policy and scientific understanding
  - Remove unnecessary project development barriers, inefficiencies, and exclusions
  - Increase methodological rigor

### Topic 2: Revise 10-year emissions rates for refrigerants

Ecology will present a considered protocol revision to update 10-year cumulative emissions rates for refrigerants based on a more recent **output of the EPA's Vintaging Model** as well as alternatives including:

- Retain 10-year emissions rates for refrigerants
- Use an alternative source for refrigerant emissions rates

### Discussion Questions:

- What additional context or considerations related to this topic should Ecology be aware of?
- Are there alternatives/additional sources that Ecology should consider to update these values (either leak rates and and/or refrigerant end uses)?
- Should Ecology consider removal of the 10-year emissions calculation altogether? Why or why not? What research is there to support this decision?
- Does this change contribute to Ecology's programmatic goals for this rulemaking:
  - Reflect advances in policy and scientific understanding
  - Remove unnecessary project development barriers, inefficiencies, and exclusions
  - Increase methodological rigor

### Topic 3: Revise 10-year emissions rates for foams

Ecology will present a considered protocol revision to update 10-year cumulative emissions rates for foams to reflect more recent data, as a well as other alternatives such as:

- Retain 10-year emissions rates for foams
- Seek alternative source for foam emissions, reflecting baseline of recovery and reuse

### Discussion Questions:

- What additional context or considerations related to this topic should Ecology be aware of?
- Are there alternative/additional sources that Ecology should consider to update emissions rates for foams?
- Should Ecology consider removal of the 10-year emissions calculation for foams altogether? Why or why not? What research is there to support this decision?
- A key consideration for this calculation is whether the baseline use these substances (absent destruction) is **disposal** or **use/recovery/reuse**
  - What sources should Ecology consider to determine which baseline most closely resembles a conservative business-as-usual scenario?
  - Please share your perspective on which approach may be more appropriate
  - Have industry practices or unit economics related to this issue changed since this protocol was adopted by CARB in 2014?
- Does this change contribute to Ecology's programmatic goals for this rulemaking:
  - Reflect advances in policy and scientific understanding
  - Remove unnecessary project development barriers, inefficiencies, and exclusions
  - Increase methodological rigor

## Public comment opportunity

- There will be a 15-minute public comment period. Public members are welcome to speak for up to two minutes. The comments should be focused on the content of the Ozone Depleting Substances Technical Working Group topics. Ecology will not respond to comments made by the public. Members of the public may provide written comments on the rulemaking process through the [digital comment platform](#).

## Next Steps, action items, and resources

Next meeting: April 23rd, 2024, 8 am – 10 am (Pacific Time)

- Contact Jordan Wildish at [CCAOffsets@ecy.wa.gov](mailto:CCAOffsets@ecy.wa.gov) or 360-280-6488
- [Ozone Depleting Substances Technical Working Group webpage](#)
- [Cap-and-Invest Offsets webpage](#)
- [Comment on the Chapter 173-446 WAC: Cap-and-Invest Offsets Rulemaking](#)
- [CARB Offset Taskforce Report](#)
- [ACR 1.2 ODS Protocol Appendix D.1.3](#)
- [Ecology's HFC Regulations – definition of “Global Warming Potential” in WAC 173-443-030 and section on leak rate thresholds WAC 173-443-155](#)
- [CAR ODS Protocol 2.0 Appendix D](#)