

TIER 2021 Compliance Workshop

- 1 "Can a large conventional oil and gas facility (for example a gas plant with emissions ~800000 tonnes CO₂e/year) opt-in as a large emitter? Or must they be under the aggregate system?"
Answered live.
- 2 "With wind and solar power coming online how will a facility be treated if 100% of their power comes from solar wind or other renewal sources? Will they be able to subtract the amount of electricity from green power and only report the electricity obtained from fossil fuel powered sources?"
Answered live.
- 3 "How will renewal fuels replacing fossil fuel be treated in the future in the GHG reporting?"
Answered live.
- 4 "Will AEP consider adjusting the high performance benchmark for reporting facilities that import heat and/or electricity where the originator of the heat and electricity have used renewable fuels to generate the heat and electricity? Currently the HPB does not seem to account for the use of the renewable fuel for the importing facility."
Answered live.
- 5 "With carbon capture being a much higher focus in industry and the exported/sequestered CO₂ already being covered in a released TIER Fact sheet will there be an additional benchmark allowance for the energy required for capture (whether it be an amine or cryogenic process)? ie. will there be a new module of allowed emissions similar to compression/dehydration/sweetening/etc. because of the large energy requirements of current capture technology?"
Answered live.
- 6 "What is the deadline for the deviation request?"
Answered live.
- 7 "Are these slides available for download? If yes could you please share the link path?"
Webinar recording and presentation slides posted to TIER website.
- 8 "Are you able to comment on when the Alberta Oil Sands Greenhouse Gas Emission Intensity Analysis data set will be updated with 2020 and 2021 data?"
Answered live.
- 9 "The new federal Clean Electricity Standard states: ""for new generation in 2021 or later using gaseous fuels like natural gas starts at 370 t CO₂e/GWh in 2021 and then declines linearly to 0 t CO₂e/GWh in 2030. Will the TIER allowable emissions for 2021+ electricity generators be following this policy and allowed to emit nothing by 2030? ie. Will they receive no performance credits for installation of carbon capture and sequestration at new generation facilities?"
Answered live.

- 10 "Is the facility boundary of a facility specific/unique to TIER regulation? Or does it have to be same as facility boundary for all other provincial and federal reporting requirements?"
It may be unique under TIER. We do look at how the facility is defined under EPEA approval if applicable.
- 11 "Will the "new verification training mandatory for 2022" apply for the 2021 compliance year verification?"
No, the new verification training is not yet available and will not be required for verification of 2021 reports. The NEW verification training will be required for 2022 compliance report verifications.
- 12 "I have a situation where I am not sure if I need to do a deviation request. Who can I approach?"
Please send an email describing the situation to the general mailbox AEP.GHG@gov.ab.ca
- 13 "Regarding the AGPI Production "Flaring Venting Fugitives Other" module (AQM section 13.16.2 and Table E1) the AQM states to use "the total annual facility production reported in Petrinex under the DISP category converted to m3OE". However gas plants typically use PROC for NGLs and condensate and DISP for gas. Can you confirm which Petrinex activities and products fall under this module? (I can send later by email if the question is too specific)."
Please do send this in to our AEP.GHG@gov.ab.ca mailbox.
- 14 "If deviation was requested for 2020 compliance report and still applicable for 2021 does the facility need to re-request the deviation again for 2021 (not just apply 2020 approved deviation)?"
Please check the letter we issued you for 2020. In general we would have issued it for one year only and you should re-request.
- 15 "The AQM requires weekly gas sampling and analysis for routine flaring (if no online gas analyzers). Will this requirement apply to all facilities/sectors in 2022 reporting year?"
Yes it would. Please note flaring is not in scope for aggregate facilities for 2022.
- 16 "Can the Facility adjust the AQM default CH4 and N2O emission factor using the site specific HHV or the default emission factor from AQM without any adjustment should be used for emission calculation?"
Answered live.
- 17 "If the facility emits below 10 000 t CO2e but it is enrolled in the TIER program. Does the facility has an obligation to report under the GHGRP program as well?"
It does not.
- 18 "For the SGRR, a facility that emits >25 000 t CO2e has to file a SWIM report and use the TIER methodology so then we expect the stationary fuel combustion to match what the TIER aggregate estimates. Is that correct?"
We understand the TIER aggregate methods meet minimum requirements under federal GHGRP so there should be no barrier to the stationary fuel combustion emissions matching under the two programs.
- 19 "Can the m3 OE for aggregate facilities be adjusted based on facility specific HHV rather than factors based on 38.5 GJ/e3m3"
Please send an email describing the situation to the general mailbox AEP.GHG@gov.ab.ca.