

ERRATA SHEET

This document reflects any differences between the current slides available for download and the YouTube videos from the 2020 training, as well as any errors or clarifications identified since the first 2024 training slides were posted in January 2024.

Please note: The videos sent to you as part of the training information are the same videos that were made available when this training was last given in late 2020. MRR has not been updated since that time, and CARB staff and management have carefully reviewed those videos and confirmed that all content was accurate and consistent with MRR. However, several minor updates have been made in the slides that are available to you for download to reflect the most up-to-date information. This will result in several minor differences between the slides shown in the YouTube videos and the slides available for download. Those changes are listed below.

Course 1.1 -- Overview of MRR and Verification

- Slide 7: Updated the approximate number of facilities to be verified
- Slide 8: Updated the chart to include most recent years available
- Slide 9: Updated the chart to include most recent years available
- Slide 108: Updated the compliance period table to indicate when it is full or less intensive verifications

Course 1.2 -- Verification and Stationary Fuel Combustion

- Slide 14: Updated the fourth sub-bullet to reference global warming potential (GWP) from the IPCC Fourth Assessment Report (AR4) for methane and nitrous oxide
- Slide 44: Updated the GWP values and corrected the answer

Course 1.3 -- Verification and Stationary Fuel Combustion

- Slide 18: Slide incorrectly refers to 40 CFR §98.2(i)(2)-(3). 40 CFR §98.2(i)(2)-(3) is now 40 CFR §98.3(i)(1)(iii)
- Slide 31: Broken link. [Document](#) is linked at bottom of training page at: <https://ww2.arb.ca.gov/carb-accredited-mrr-verifiers-ghg-emissions> (2/9/24)
- Slide 57: Slide incorrectly refers to Table 1 in §95129; Table 1 is now Table 3-1 of 95129

Course 1.4 – Electricity Generating Units

- Slide 15: Updated the number of facilities in sub bullets 1,2 and 3
- Slide 17: Updated the number of facilities in bullets 1 and 2, and the type of bottoming cycle facility in sub bullet 3.

Course 2.1 – EPEs

- Global Change: All Workbook references updated to new ONE, TWO, THREE, FOUR workbooks
- Slides 5 & 6: Figures and text updated to reflect newest publicly available RY2020 data available in California GHG inventory
- Slide 30: URL updated to direct to the RPS guidebook version that is incorporated by reference in MRR
- Slide 35: Updated CAISO EIM map, link, and list of EIM entities, current as of 2023
- Slides 51-54, 56, 58, 63, 65 Updated with new screenshots from latest copy of ONE workbook
- Slide 53: Updated to clarify that manual entry of sources and EFs is no longer allowed in the new workbooks

Course 2.2 – Transportation Fuels Suppliers

- Slides 7: Updated to include more recent emissions data years
- Slide 10: The diagram did not indicate that fuel transactions occurring at a refinery, selling to a non-BOE licensed entities are reportable
- Slide 12: For clarity, the sub-bullet below “Enterers” was changed from “Transactions from a California fuel terminal is reported by the position holder, not the enterer (unless they are the same entity)” to “Transactions from an enterer to a California fuel terminal are not reported by the enterer (unless the enterer is also the position holder).” Imported fuel that is sold to a position holder at the terminal is reported by the position holder when the fuel is sold at the rack.
- Slide 15: Updated to provide the most recent number of transportation fuel suppliers that report to MRR
- Slide 21: NG added to storage (CO2I) and NG removed from storage (CO2I) were inadvertently swapped. Any transactions that bring more natural gas onto the system (local production, purchases at the city gate, or taking natural gas out of storage) count towards covered emissions. Injecting natural gas into storage reduces the supplier’s covered emissions.
(1/29/24)
- Slides 31, 32: Updated to provide the updated GWP for methane (25) and nitrous oxide (298)
- Slide 36, 37: The calculation of material misstatement included an error in the reporter’s calculation of emissions. That value should be 383.21 MTCO₂, not 382.74 MTCO₂.
- Slide 38: The final transaction (DistULS19) should be included in the total volumes of DFO #2 included. The slide should have the following two corrections:
(2/23/24)
 1. ~~225~~ 375 bbl of DFO #2
 2. ~~341~~ 491 bbl of DFO #2

Course 2.3 – Natural Gas Suppliers

- Slide 46: The description for calculating emissions from imported CNG or LNG referenced 40 CFR §98.33(c)(1) and Table C-2 for the calculation of CO₂. This is incorrect. The correct calculation is in 40 CFR §98.403(a)(1) and Table C-1. (The calculation is the same for all pipeline natural gas measured in MMBtu, whether is it in the pipeline, CNG, or LNG.)
- Slide 50: Updated to provide the updated GWP for methane (25) and nitrous oxide (298)

Course 3.1 – Petroleum and Natural Gas

- Slide 2: Q&A session is at 1pm on February 22, 2024. (The audio in the video references the Q&A sessions from the previous training)
- Slide 12: Stationary combustion emissions are inclusive of flaring emissions. For clarity, flaring should also be shown in the first bullet for the 10,000 MT CO₂e threshold. See section 95101(e).
2/23/24
- Slide 29: Updated to provide the updated GWP for methane (25)