

Additional Information on the Transport Refrigeration Unit Rulemaking

On September 23, 2020, Governor Newsom issued Executive Order (EO) N-79-20, which directed CARB to develop and propose strategies to achieve 100 percent zero-emission from off-road vehicles, equipment, and operations in the State by 2035. Although the draft concept for the new Transport Refrigeration Unit (TRU) Regulation that was last presented at a workshop in March 2020 met the direction of the EO for truck TRUs, it did not for the other TRU categories (trailer TRUs, domestic shipping container (DSC) TRUs, railcar TRUs, and TRU generator sets). As such, staff is bifurcating the draft concept for the new TRU Regulation, and will transition TRUs to zero-emission in two rulemakings.

In the initial effort, staff will propose amendments to the existing TRU Airborne Toxic Control Measure (ATCM), which are expected to be brought to the Board in fall 2021 (staff proposal released in summer 2021). The amendments may include the transition of diesel truck TRUs to zero-emission, a more stringent diesel particulate matter emission standard for newly manufactured TRUs in the remaining categories, as well as lower global warming potential refrigerant and facility reporting requirements. Staff plan to assess zero-emission options for trailer TRUs and the remaining TRU categories in a second rulemaking for Board consideration in the 2023-2024 timeframe. Below are key elements staff may include in the 2021 amendments.

12/31/2022

- Newly manufactured truck TRUs, trailer TRUs, and DSC TRUs shall use refrigerant with a global warming potential less than or equal to 2,200.
- Model year (MY) 2023 and newer trailer TRU, DSC TRU, railcar TRU, and TRU generator set engines shall meet the Ultra-Low-Emission TRU (ULETRU) performance standard.

5/31/2023

- TRU OEMs shall not manufacture a trailer TRU, DSC TRU, railcar TRU, or TRU generator set unless it is equipped with an engine that meets ULETRU.

12/31/2023

- Applicable Facility owners shall register facility with CARB, pay fees every three years, and report all TRUs that operate at their facility to CARB quarterly or attest that only compliant TRUs operate at their facility.
- TRU owners shall register TRU (including out-of-state based) with CARB, pay fees (every three years), and affix CARB compliance label (every three years).
- Truck TRU fleets shall transition to zero-emission at 15 percent each year (for 7 years). All truck TRUs operating in California shall be zero-emission by December 31, 2029 (compliance extension may be granted due to infrastructure delays).