



Informational Bulletin

VAPOR RECOVERY

March 1, 2023, Compliance Deadline for Enhanced Conventional (ECO) Nozzles at ORVR Fleet Gasoline Dispensing Facilities

June 15, 2023

This informational bulletin is intended for owners/operators of existing ORVR¹ fleet gasoline dispensing facilities², which are required by March 1, 2023, to replace their conventional nozzles with CARB certified enhanced conventional nozzles (ECO nozzles) listed in [Executive Order \(EO\) NVR-1](#). This would apply to facilities with either aboveground or underground gasoline storage tanks.

[EO NVR-1](#) lists the certified conventional low permeation hoses and ECO nozzles for ORVR fleet gasoline dispensing facilities. Examples include airport rental car fueling facilities, private fleet fueling facilities, and new car dealership fueling facilities. ECO nozzles are equipped with features designed to reduce smog forming emissions by controlling excess liquid releases, such as spillage, spitting, post fueling drips, and liquid retention, as well as being equipped with a mini boot device that serves as an interlock to prevent gasoline flow when the boot is uncompressed.

As of March 1, 2019, all new installations or major modifications of ORVR fleet gasoline dispensing facilities were required to have CARB-certified ECO nozzles per [EO NVR-1](#). Existing ORVR fleet facilities are required to upgrade to the ECO nozzles listed in [EO NVR-1](#) by March 1, 2023.

There are currently three certified ECO nozzles listed in [EO NVR-1](#) and available for installation at sites meeting the requirements of the March 1, 2023 upgrade deadline:

1. OPW 14E ECO Nozzle;
2. VST Enviro-Loc ECO Nozzle; and
3. Husky 6025 ECO Nozzle.

Frequently asked questions pertaining to ORVR fleet facility requirements are available at:

<https://ww2.arb.ca.gov/resources/documents/frequently-asked-questions-gasoline-dispensing-facilities-exempt-phase-ii-vapor>.

If you have questions regarding this informational bulletin, please contact your [Local Air District](#) or CARB vapor recovery program staff via email at vapor@arb.ca.gov.

Additional information including access to vapor recovery test procedures and Executive Orders are available at CARB's vapor recovery program webpage at: <https://ww2.arb.ca.gov/our-work/programs/vapor-recovery>.

¹ "ORVR" or On-Board Refueling Vapor Recovery refers to a vehicle-based vapor recovery system that captures and contains gasoline vapors that are displaced during vehicle refueling events.

² ORVR fleet gasoline dispensing facility is a facility that is exempted from Phase II vapor recovery requirements because it primarily or exclusively fuels vehicles that are equipped with on-board refueling vapor recovery systems. Existing ORVR fleet gasoline dispensing facility refers to a facility that was constructed or operational prior to March 1, 2019. Please refer to your [Local Air District](#) for applicability.