

California Clean Construction Zero-Emission Equipment List

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California Clean Construction Zero-emission Equipment List

The following listed construction equipment types are required to be zero-emission for successful California Clean Construction program participation completion project recognition. The Zero-Emission Equipment List does not constitute or imply endorsement or recommendation of any manufacturer or equipment model. The lists are based on equipment types readily available for lease, rent, or purchase in California that can be used for program participation.

Exceptions are limited to unforeseen equipment circumstances described in the Availability Exceptions section of the program or a site electrification exception as described in the Project Site Electrification Exception section of the program.

The awarding body and the contractor are expected to act in good faith when evaluating and interpreting the applicability of listed equipment. The awarding body maintains program implementation decision discretion and authority.

Effective date: January 1, 2026

- Aerial Lift (Scissor, and personnel) 
- Compact/Mini Excavator (up to 15,000 pounds operating weight) 
- Compact/mini track and wheel loaders (up to 15,000 pounds & operating weight) 
- Dumper/buggy 
- Forklift (up to 5,000 pounds lift capacity) 
- Light cart/tower/stand 

- Power generation systems, Battery Energy Storage Systems (BESS) and hybrid gensets 
 - On project diesel generators are only allowed if incorporated into hybrid genset systems (as defined in program section titled Definitions) 
- Tampers/mini-compacters/mini-rollers 
- Walk-behind concrete saw 

California Clean Construction Zero-emission Equipment List

California Air Resources Board (CARB) staff developed the California Clean Construction Zero-Emission Equipment List based on zero-emission off-road construction equipment identified as readily available for lease, rent, or purchase in California. CARB staff developed and will maintain the Zero-Emission Equipment List using the following criteria:

- Equipment types must be available to obtain for use (either by purchase or rent) in California within a reasonable or typical time period but at a minimum, in time to be used on an upcoming construction project, and
- Equipment types must be zero-emission (i.e., must have no tailpipe emissions and generally are likely to be battery-electric or fuel-cell powered).

Additionally, in developing the Zero-Emission Equipment List effectively, CARB staff considered the following factors and data sources:

- **Clean Off-Road Equipment Vouchers (CORE) database:** Identifies zero-emission off-road equipment models that have received funding support, indicating commercial availability and readiness
 - Equipment in the CORE database must be a commercially ready equipment model that is not in the prototype/demonstration phase, has historical sales, testing results, operational data, and user experience information
- **DOORS (Diesel Off-Road Online Reporting System) database:** Provides a registry of off-road fleet equipment currently in use, serving as a cross-reference for identifying existing off-road/non-road diesel-fueled models that may have zero-emission alternatives
- **Direct engagement:** Discussions with manufacturers, dealers, and rental agencies for staff to gather information on equipment specifications, lead times, rental options, and operational limitations

- **Industry Publications and Resources:** Manufacturer websites, product catalogs, and dealership publications

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