

CARB Data Requests from the November 2023 TRU Part 2: Zero-Emission Non-Truck Transport Refrigeration Units Concept Development Workshop

April 2024

The California Air Resources Board is developing regulatory concepts to transition non-truck transport refrigeration units (TRU), which includes trailer TRUs, domestic shipping container TRUs, railcar TRUs, and TRU generator sets, to zero-emission technology.

CARB hosted a public workshop on November 15, 2023, to explore initial ideas for potential concepts to transition non-truck TRUs to zero-emission technology. The workshop discussion included requests for data and information that may be used to help refine the concepts to address non-truck TRUs. During the workshop, stakeholders asked that CARB summarize the requested data and information. Below is a summary of the requested data and information discussed at the workshop.

Staff is seeking data and information on TRU fleets that operate in California, TRU operations while at applicable facilities (e.g., refrigerated warehouses and distribution centers, grocery stores, seaport facilities, and railyards), costs, infrastructure, and zero-emission technologies.

Staff is requesting responses to be submitted by **June 30, 2024**, to freight@arb.ca.gov. Please email us if you would prefer to meet or have a call.

TRU Operational Information ([Slide 19](#))

TRU fleet characteristics

TRU operational characteristics

TRU operations at applicable facilities

Costs for Zero-Emission Technology and Infrastructure ([Slide 24](#))

Technology

Infrastructure

Other costs associated with zero-emission technology

Hydrogen Solutions for TRUs ([Slide 22](#))

Trailer TRUs

Domestic shipping container TRUs

Railcar TRUs

TRU generator sets

Other Zero-Emission Technology Solutions and Demos (*Slide 22*)

Domestic shipping containers

Railcar TRUs

TRU generator sets

Infrastructure