
SUBJECT

Innovative Clean Transit Regulation Zero-Emission Bus Rollout Plan (Staff Representative: Debra Johnson)

RECOMMENDED ACTION

To adopt a resolution approving Long Beach Transit's Zero-Emission Bus Rollout Plan and submittal to the California Air Resources Board.

BACKGROUND

In December 2018, the California Air Resources Board (CARB) enacted the Innovative Clean Transit (ICT) regulation that mandates transit agencies in the State of California to transition from conventional buses to zero-emission buses (ZEB) by 2040. The regulation applies to small and large transit agencies that own, operate or lease buses and includes fleets consisting of standard, articulated, over-the-road, double-decker and cutaway vehicles. Per CARB's ICT regulation definition of a large transit agency, Long Beach Transit (LBT) qualifies as it serves a population greater than 200,000 and operates more than 100 buses during peak service.

The regulation requires that all large transit agencies develop a plan to transition its fleet to ZEB by 2040 and submit the ZEB Rollout Plan to CARB by July 1, 2020. Beginning in 2029, 100% of new purchases by transit agencies must be ZEBs, with a goal for full transition by 2040. Additionally, CARB's ICT regulation requires that upon retirement of a bus that has met its useful life, a large agency is mandated to replace it with a ZEB.

In order to achieve this goal, each large transit agency must submit a ZEB Rollout Plan to CARB and include the following:

- Bus procurement plan
- Description of all facilities and infrastructure modifications
- Disadvantaged communities (DACs) to be served
- Workforce training requirements
- Potential funding opportunities
- ZEB transition challenges and mitigation efforts analysis

The ZEB Rollout Plan is a living document and is intended to guide the development and implementation of ZEB fleets. Furthermore, it will assist LBT in planning its ZEB purchases, providing time for the agency to familiarize itself with the most current ZEB technologies as a part of a planned procurement schedule.



The ZEB Rollout Plan will further aid LBT in understanding potential technology challenges and identifying available solutions for a seamless transition. Information gathered from transit agencies' ZEB Rollout Plans will also guide the State of California in developing incentive funding plans, inform utility companies on potential electrical and infrastructure needs, as well as educate and inform the public about environmental benefits of ZEB technologies.

The ICT regulation requires large transit agencies, such as LBT, to meet the following requirements for future bus purchases:

- 25% of all new bus purchases must be ZEB by January 1, 2023
- 50% of all new bus purchases must be ZEB by January 1, 2026
- 100% of all new bus purchases must be ZEB by January 1, 2029
- 100% of the fleet must be ZEB by January 1, 2040

The ICT regulation provides ZEB bonus credits towards the 2023 purchase requirement to transit agencies that have purchased and deployed ZEBs prior to the adoption of the regulation.

This credit enables LBT to meet the required minimum number of ZEBs with any combination of new purchases and ZEBs currently in its fleet, as LBT's bus replacement plan included ZEBs in advance of the ICT regulation. In 2018 the agency purchased and deployed its first 10 ZEBs and installed charging infrastructure.

The ZEB purchase requirements for articulated, over-the-road, double-decker, or cutaway vehicles are not mandated until 2026 or later. These vehicle types will remain exempt from the ZEB purchase requirements until they successfully pass the required tests specified by the Federal Transit Administration Bus Testing Program.

ALTERNATIVES CONSIDERED

There were no alternatives considered as this is a state-mandated regulatory requirement for all transit agencies.

BUDGETARY/FISCAL IMPACT

LBT through its annual capital program will plan available federal, state or local funding to support the replacement of buses that have met their useful life with new ZEB technology buses and necessary infrastructure tied to the new technology.

A handwritten signature in blue ink, reading "K. McDonald", written over a horizontal line.

Kenneth A. McDonald
President and Chief Executive Officer

RESOLUTION OF LONG BEACH TRANSIT

Resolution adopting Long Beach Transit's Zero-Emission Bus Rollout Plan and authorizing submittal to the California Air Resources Board

WHEREAS, In December 2018 the California Air Resources Board (CARB) adopted the Innovative Clean Transit (ICT) regulation requiring all transit agencies to transition bus fleets to a 100% zero-emission by 2040; and

WHEREAS, the ICT regulation requires all large transit agencies to submit a Board of Directors' approved Rollout Plan to CARB by July 1, 2020; and

WHEREAS, the ICT regulation defines a large transit agency as serving an area with populations greater than 200,000 and operating greater than 100 buses during peak service, excluding demand response; and

WHEREAS, Long Beach Transit (LBT) meets CARB's ICT regulation definition of a large transit agency; and

WHEREAS, the ICT regulation requires large transit agencies, such as LBT, to meet the following requirements for future bus purchases:

- 25% of all new bus purchases must be ZEB by January 1, 2023;
- 50% of all new bus purchases must be ZEB by January 1, 2026;
- 100% of all new bus purchases must be ZEB by January 1, 2029;
- 100% of fleet must be ZEB by January 1, 2040; and

WHEREAS, the ICT regulation requires that the ZEB Rollout Plan include the following:

- Bus procurement plan
- Description of all facilities and infrastructure modifications
- Disadvantaged communities (DACs) to be served
- Workforce training requirements
- Potential funding opportunities
- ZEB transition challenges and mitigation efforts analysis; now

THEREFORE, BE IT RESOLVED by the Long Beach Transit Board of Directors that it hereby adopts Long Beach Transit's Zero-Emission Bus Rollout Plan and authorizes submittal to CARB.



CERTIFICATION

The undersigned duly appointed Secretary/Treasurer of Long Beach Transit certifies that the foregoing is a true and correct copy of a resolution, adopted at a legally convened meeting of the Long Beach Transit Board of Directors held on June 25, 2020.

Adam Carrillo
Secretary/Treasurer, Board of Directors

Date