



Port of  
**LONG BEACH**  
THE PORT OF CHOICE

# **Resilience for a Critical Facility**

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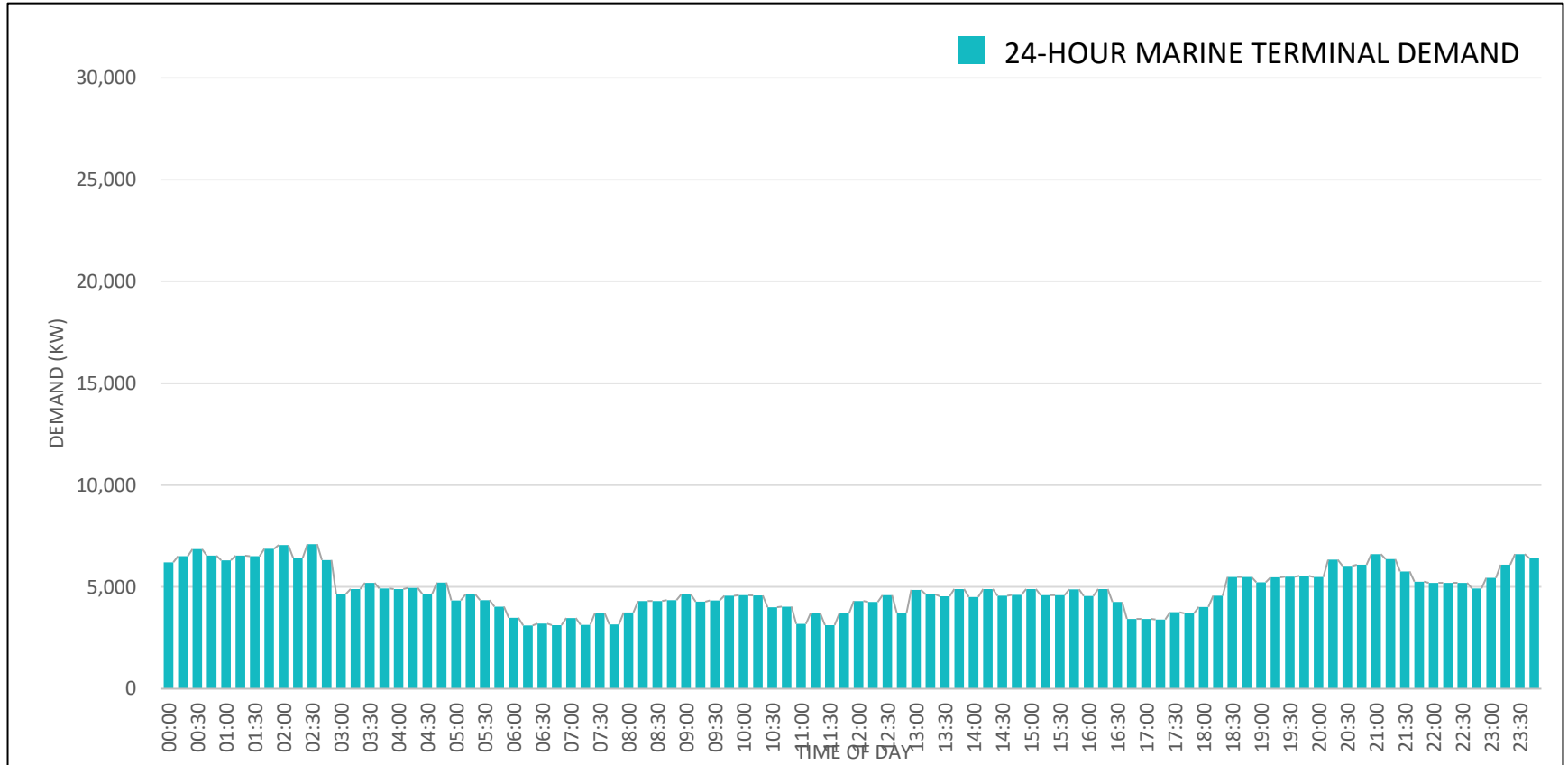
# CLEAN AIR ACTION PLAN GOALS:

ZE marine terminal equipment by 2030

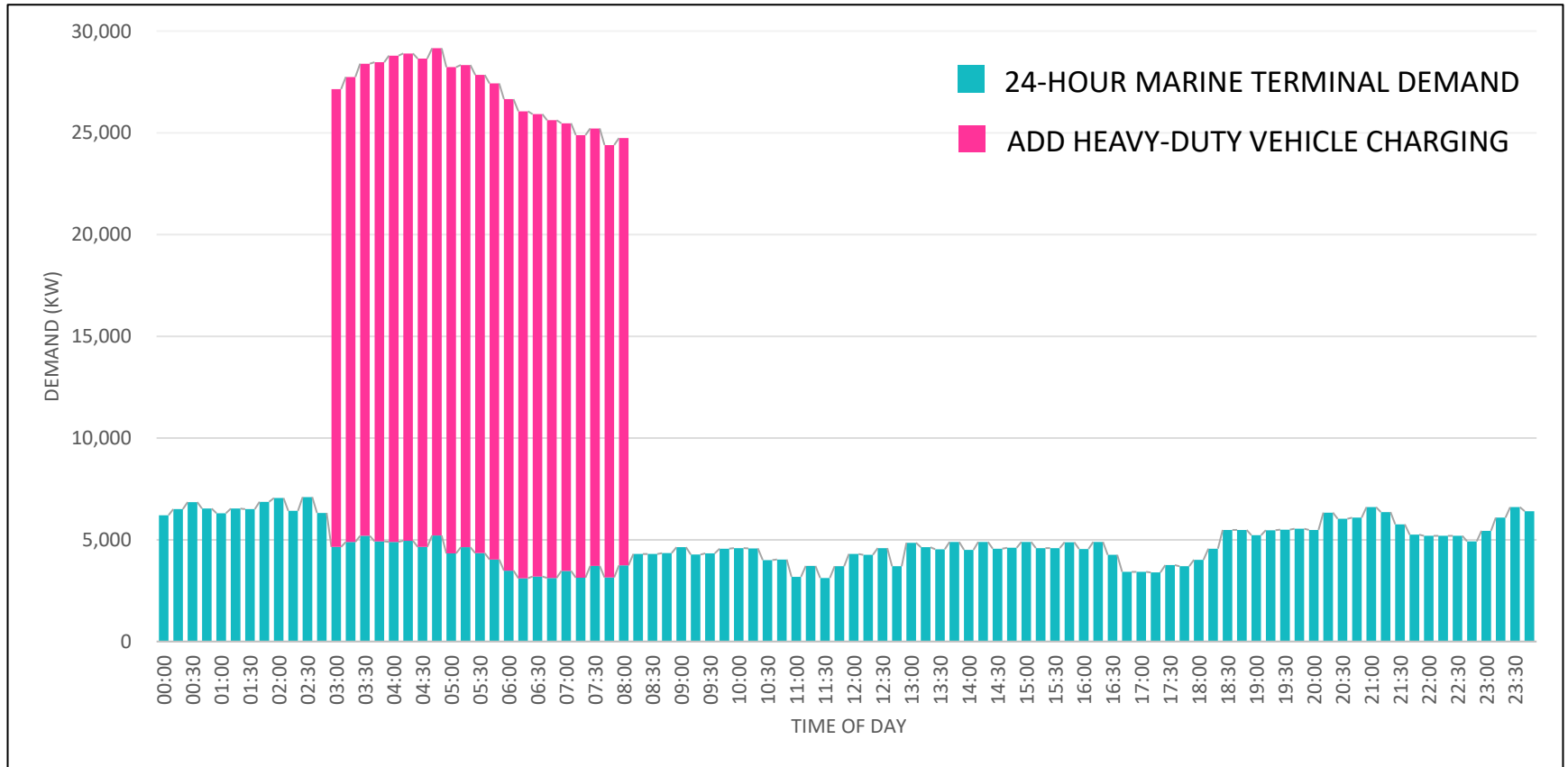
ZE on-road trucks by 2035



# 24-Hour Marine Terminal Demand



# 24-Hour Marine Terminal Demand (continued)





**INNOVATION:** The stationary battery energy storage system is DC-coupled which reduces power loss from traditional DC-to-AC inversion, eliminates some equipment costs, and provides the opportunity to feed future DC loads. A bi-directional inverter allows the battery to accept electrons from both the solar panels and the grid.

Mobile-BESS  
250kW / 500kWh

# Stationary Battery Energy Storage System

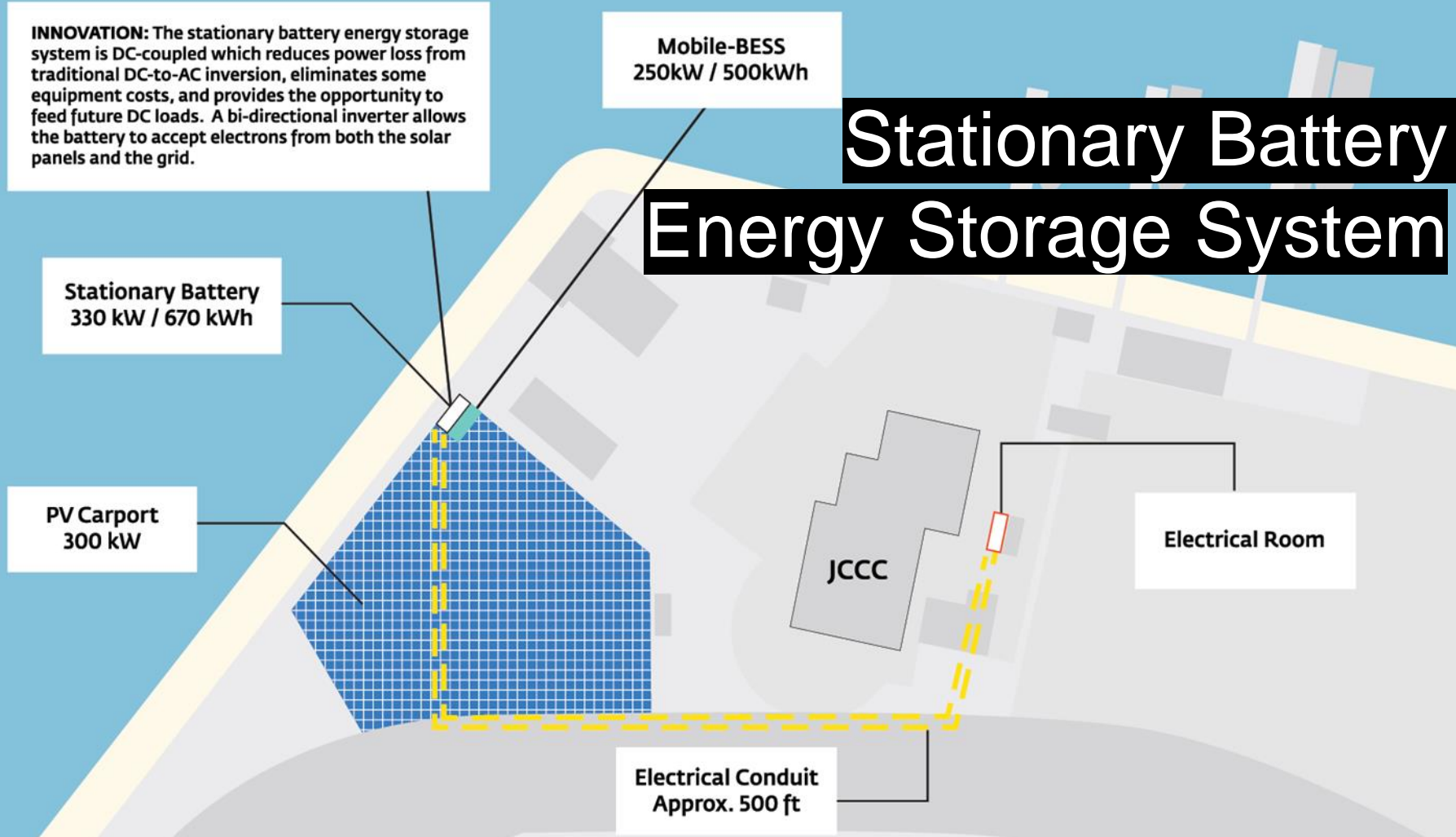
Stationary Battery  
330 kW / 670 kWh

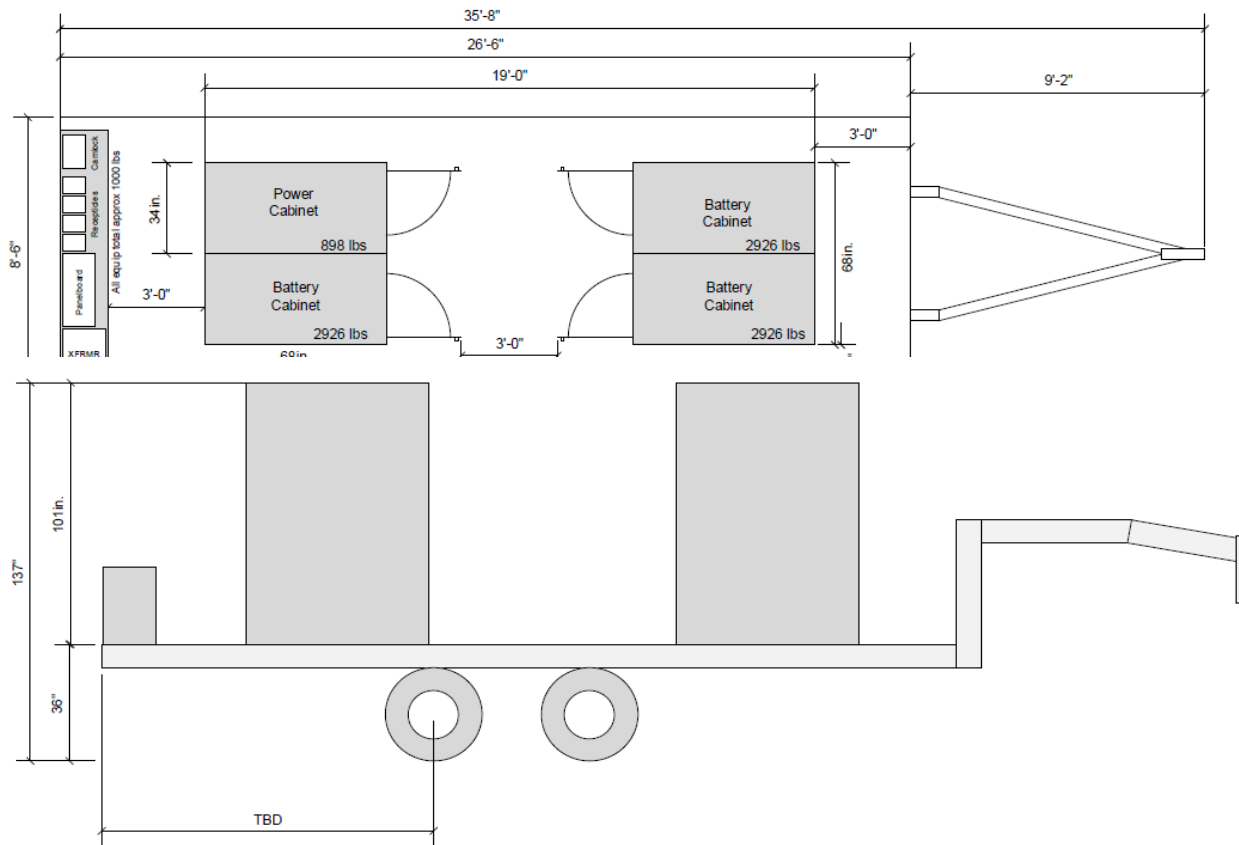
PV Carport  
300 kW

JCCC

Electrical Room

Electrical Conduit  
Approx. 500 ft





Mobile BESS

# Port of Long Beach Mobile-BESS



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THANK YOU