#### Opportunities and Constraints for Hydrogen and Fuel Cells at Ports

#### HEATHER TOMLEY ACTING MANAGING DIRECTOR PLANNING AND ENVIRONMENTAL AFFAIRS

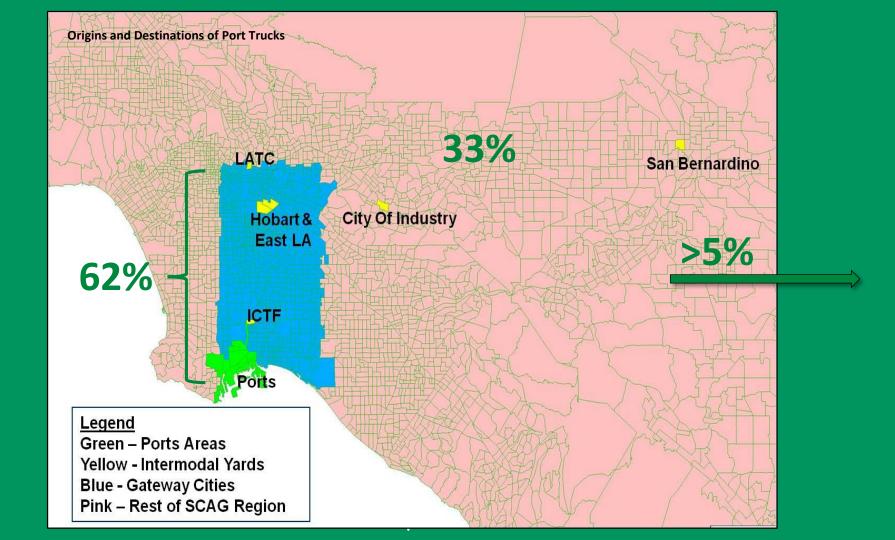
HYDROGEN FUEL CELLS IN PORTS & SHIPPING WORKSHOP OCTOBER 9, 2018







# HYDROGEN'S APPEAL EMISSIONS, PERFORMANCE, RANGE



# HYDROGEN'S CHALLENGE LACK OF INFRASTRUCTURE, HIGH COST

# **TECHNOLOGY DEMONSTRATIONS**

ON ROAD TRUCKS, 50 TO 100 TRUCK PILOT, TERMINAL EQUIPMENT

### **ENERGY INITIATIVE**

RESILIENCY, RELIABILITY, COST-COMPETITIVE AND GREEN

# CONCEPTUAL PILOT PROJECT

EFFICIENCIES, MICROGRID, STORAGE, SOLAR, H2 GENERATION

# TOYOTA LOGISTICS SERVICES IMPROVEMENT PROJECT

EFFICIENCY IMPROVEMENTS AND ENVIRONMENTAL BENEFITS

## THANK YOU



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