

Port Community Electric Vehicle Blueprint

Port of Long Beach

Grant Farm

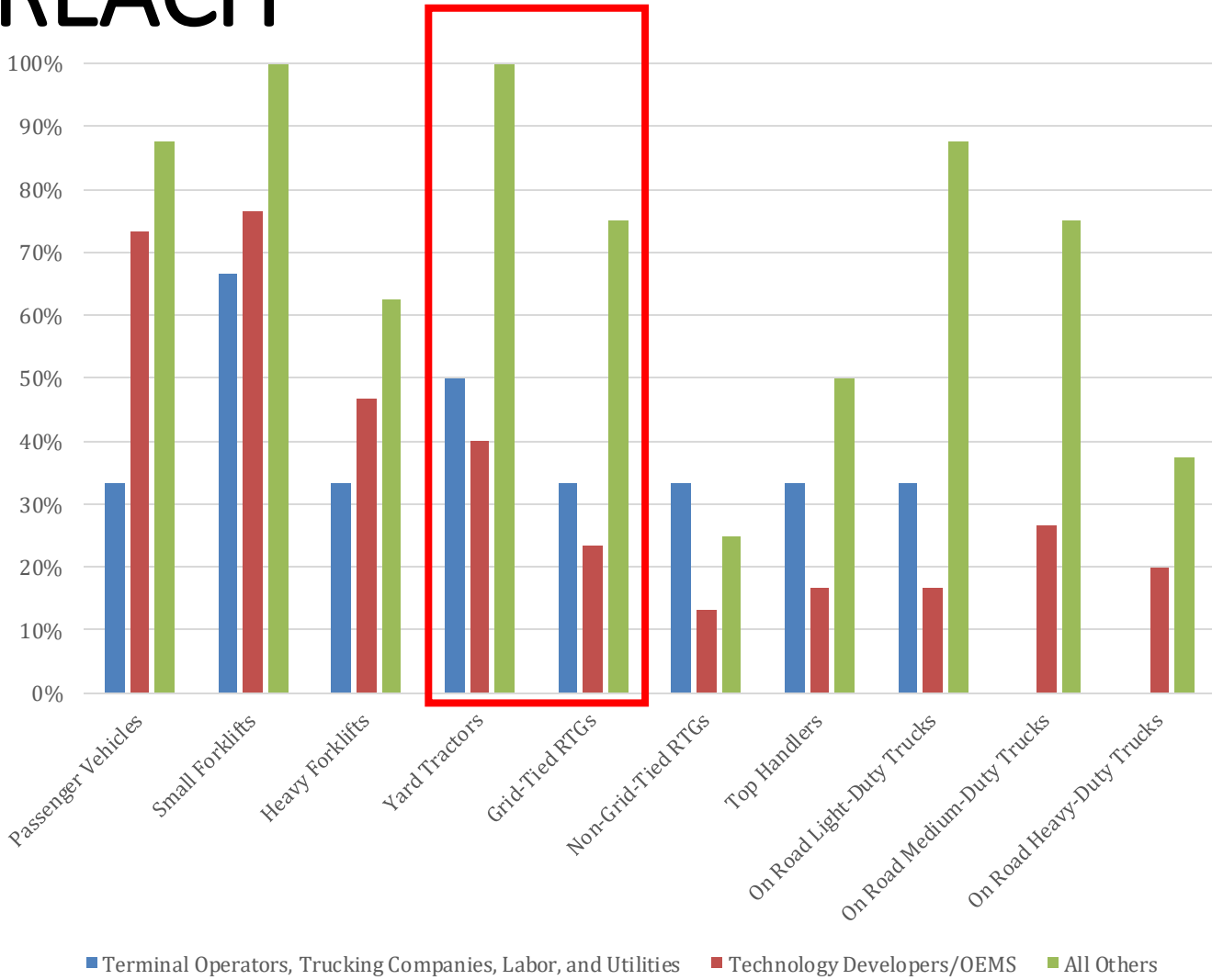
INTRODUCTION TO THE BLUEPRINT

EV Ready Communities Challenge

- Funded by the California Energy Commission
- Development of planning blueprints
- Identify near-term and long-term actions and milestones
- Evaluating battery-electric and fuel-cell electric opportunities
- Focused on creating an EV ready community
- Inclusive, collaborative, and replicable

STAKEHOLDER OUTREACH

Perception of Commercialized Technologies by Stakeholder Group



STAKEHOLDER OUTREACH

What is the operational range needed for electric equipment?

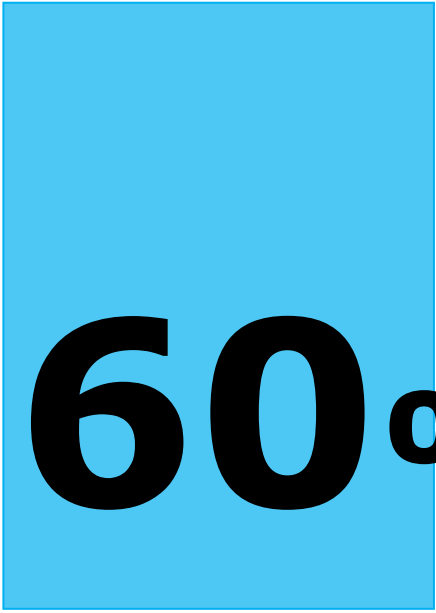
“More than 16 hours”

6%



All Other Stakeholders

60%



Operators

STAKEHOLDER OUTREACH


What are tolerable lengths
of charging?

“4 hours or less”



17%

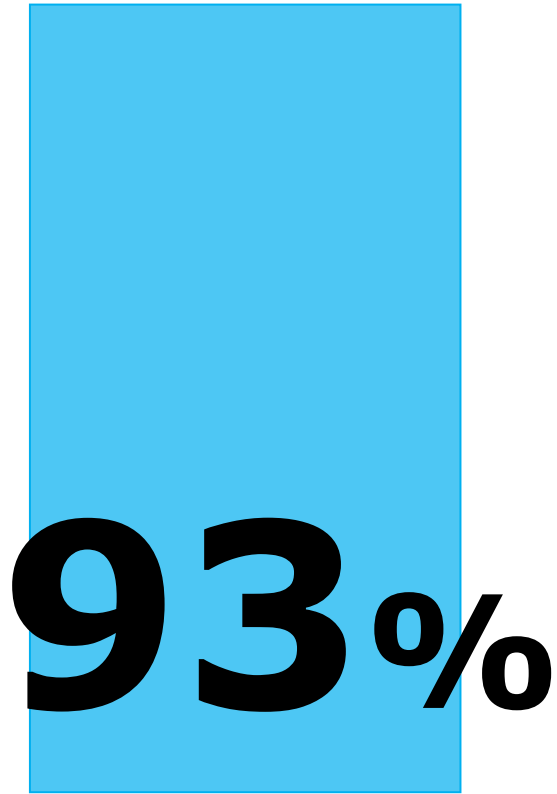
All Other Stakeholders



60%

Operators

STAKEHOLDER OUTREACH



All Other Stakeholders

Is there a competitive advantage for going green?

“Yes”

0%

Operators

STAKEHOLDER OUTREACH

How significant will the training needs be for the fleet workforce to be able to adequately charge/refuel zero-emission vehicles/equipment?

“Significant”

13%

All Other Stakeholders

60%

Operators

STAKEHOLDER OUTREACH

How well do fleet operators understand equipment/vehicle drive cycles?

“Very Well”

38%

All Other Stakeholders

0%

Operators

BLUEPRINT FOCUS

- **Information Sharing** – How to better leverage information from demonstrations
- **Market Acceptance** – How to encourage technology vendors/OEMs with a larger market through Port collaborations
- **Detailed Design Work** – Work with stakeholders on detailed planning efforts to identify paths forward and create certainty around the goals

BLUEPRINT FOCUS

- **Fund** – Identify finance partners that are will to help mitigate new technology risk and/or incentive risk (e.g. Low Carbon Fuel Standard)
- **Workforce Development** – Align training programs to support the necessary skills for the ports of the future
- **Enhance Benefit Awareness** – Refine tracking of benefits to more tangible benefits than air quality monitoring (e.g. reduction in health outcomes in target populations)

Thank You

More information is available at www.polb.org/zeroemissions

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