

DOCKETED

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Charging Ahead:

Port Community Electric Vehicle Blueprint

GFO-17-604



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ON THE PATH TO ZERO:

PORT COMMUNITY ELECTRIC VEHICLE BLUEPRINT

KEY ATTRIBUTES

COMPREHENSIVE, ECOSYSTEM APPROACH, REPLICABLE



SCOPE

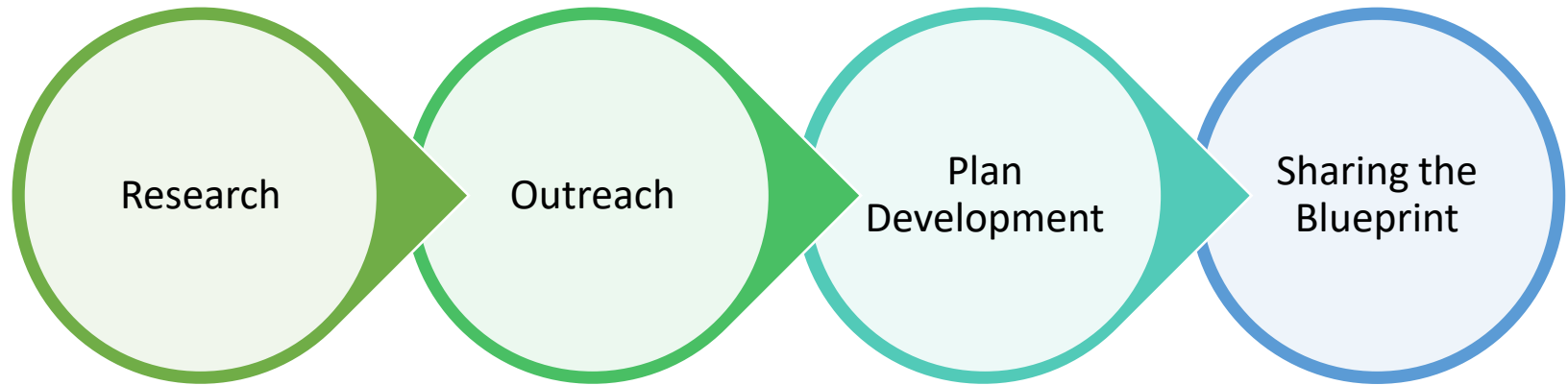
TERMINAL EQUIPMENT, TRUCKS, CARS,
CHARGING & FUELING INFRASTRUCTURE

The Blueprint is...



a framework and process
inclusive
dynamic
iterative

Blueprint Process



What is the operational range needed for electric equipment?

“More than 16 hours”

6%



EV Manufacturers

60%



Operators

What are tolerable lengths of charging?

"4 hours or less"

17%

EV Manufacturers

60%

Operators

Is there a competitive advantage for going green?

"Yes"



A bar chart with two bars. The first bar, representing Stakeholders, is a solid blue rectangle and reaches a height corresponding to 93%. The second bar, representing Operators, is a very thin blue line at the bottom, corresponding to 0%. The background features faint technical drawings of gears and circuitry.

Group	Percentage
Stakeholders	93%
Operators	0%

93%

Stakeholders

0%

Operators

Key Lessons Learned

- The EV Blueprint is an iterative process, informed by technology feasibility assessments & demonstrations
- Terminal Design Plans are needed to outline infrastructure needs before funding plans
- Charging, fueling, design standards needed before Terminal Design Plans and wide-scale deployment
- Better models around duty and drive cycles are needed
- EV manufacturers expectations need to better align with terminal operator needs



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