



3

A Two Pronged Approach

1. An aggressive program to bring more clean fuel / hybrid trucks into service represents the best near-term strategy.

2. A regional freight corridor program represents an opportunity to commercialize Zero-Emission Technologies (ZET), and build incentives into an existing program (e.g. the RTP).

Ongoing Comparison of Technologies				
Zero-Emission Technologies				
On-Vehicle Energy	100% Battery	Both require recharging		
Storage \Rightarrow Electric Motor	100% Hydrogen Fuel Cell (or equal/better)	replacement/ disposal infrastructure		
Wayside Energy Distribution on Guideway	Electric Traction power ⇒ Propulsion / Battery Recharge (overhead catenary or embedded electromagnetic induction)	Both require: On-vehicle energy storage when off guideway and Power generation and transmission		
	Embedded Linear Synchronous Motor ⇒ Reactive Propulsion	infrastructure		







Early Commercialization Activities				
Short Term	 Stakeholder surveys – needs, concerns, etc. Outline technical / market needs Continued assessment / comparison of technologies 			
Mid-Term	 Create RFP / Call for vendor submissions Develop key performance parameters Create group of potential collaborators / other regions interested in technologies 			
Long-Term	 Possible demonstration projects Study incentives / funding and regulatory issues Select technology and vendor Deploy on a limited basis 			
	8			



