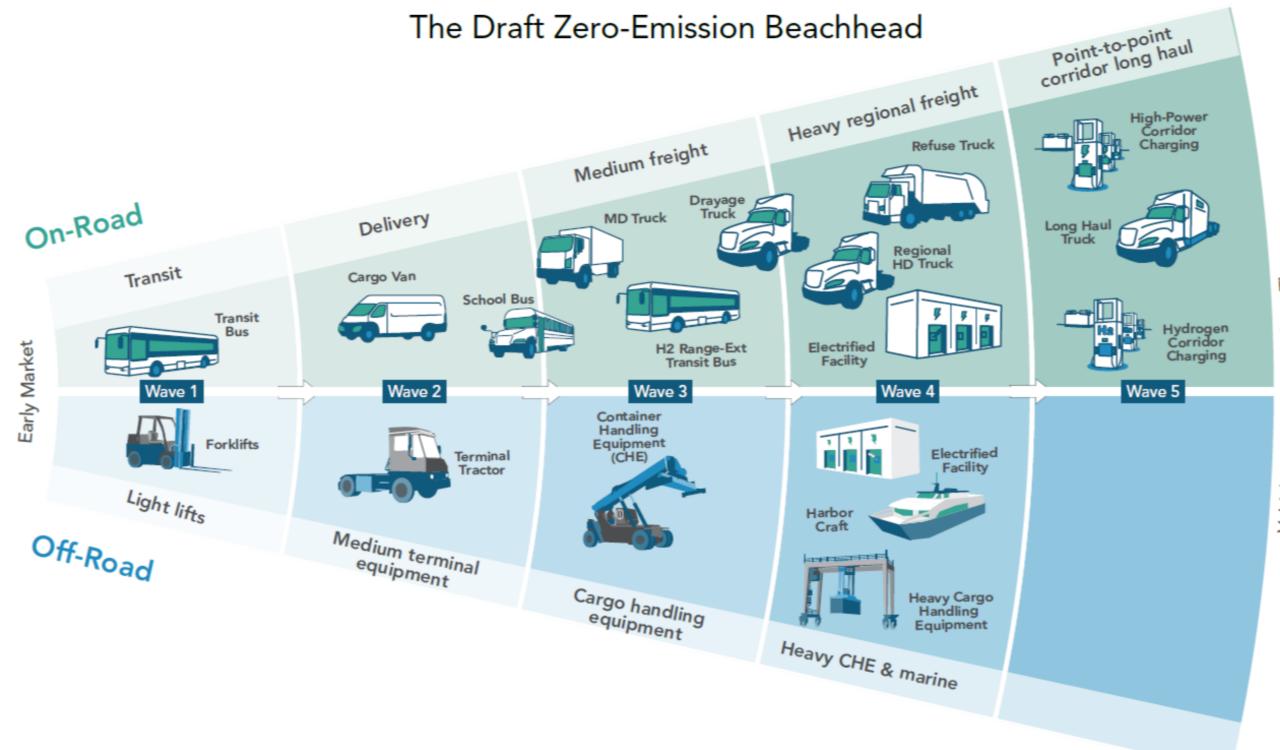
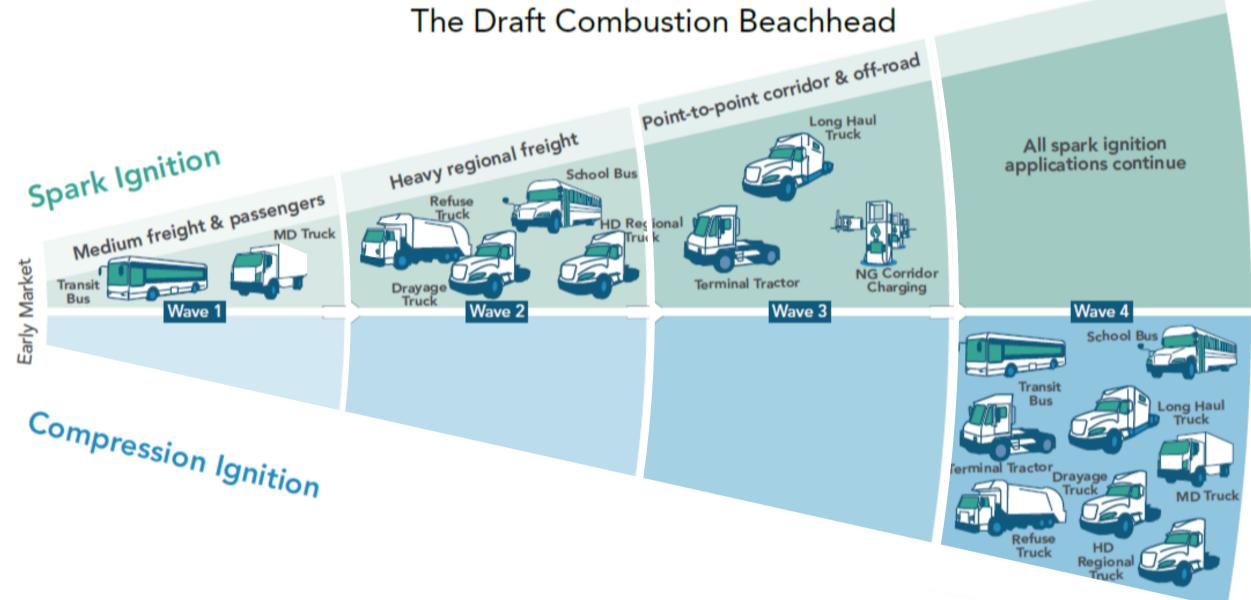
## Draft Beachheads - 2021 Update for the FY 2021-22 Long-Term Heavy-Duty Investment Strategy



Vehicle Market Growth Over Time



## **Market Progress Over Time**

Medium duty vehicles make best initial applications for spark ignition engine families

Technology upgrades and infrastructure installations enable heavier spark ignition applications

Compression engine market grows rapidly at time of regulation, impacting high volume heavy applications

Over lime Growth Market ( Vehicle