“Clean Terminal Equipment - Hybrid Yard Hostlers”

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Port Authority Marine Terminals

New York:

• Brooklyn PA Marine Terminal
• Red Hook Container Terminal
• Howland Hook Marine Terminal

New Jersey:

• Port Newark
• Elizabeth PA Marine Terminal
• PA Auto Marine Terminal
Yard Hostlers and Hybrid Technology
Two Demonstration Projects

• New York Container Terminal Project
  • Hybrid Drive System to be selected

• APM Terminal Project
  • Hydraulic Hybrid Drive System – EPA technology
Benefits

• Benefits of Hybrid Technology
  • Reduce emissions 40%
  • Improve fuel economy 50-60%
    • Estimate $33,600 fuel savings (1st owner, 7 years)

• Benefits of These Projects
  • Significantly reduce CAP, GHG emissions, energy use
  • World wide applicability
The End

Questions?