

***C40 WORLD PORTS
CLIMATE CONFERENCE
July 10, 2008***

**“Clean Terminal Equipment - Hybrid
Yard Hostlers”**

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**THE PORT AUTHORITY
OF NEW YORK & NEW JERSEY**

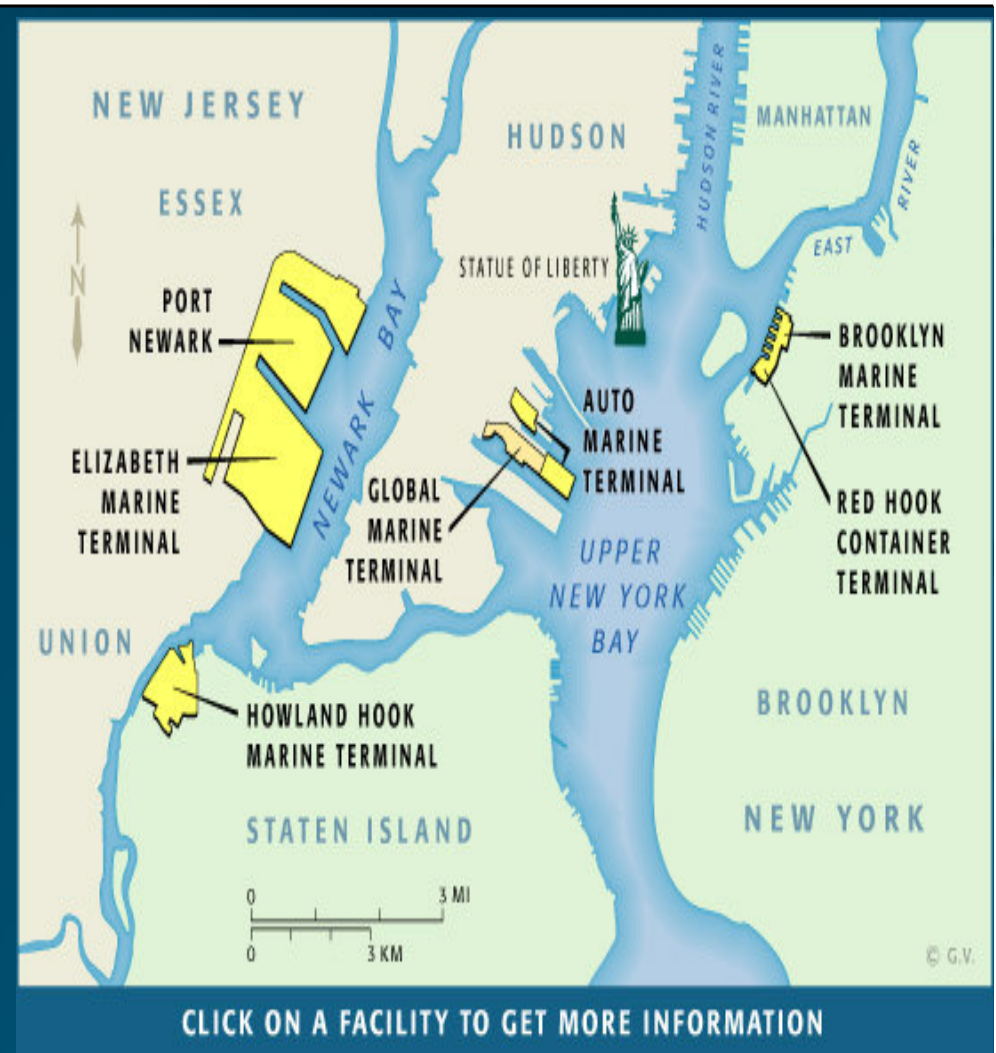
Port Authority Marine Terminals

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

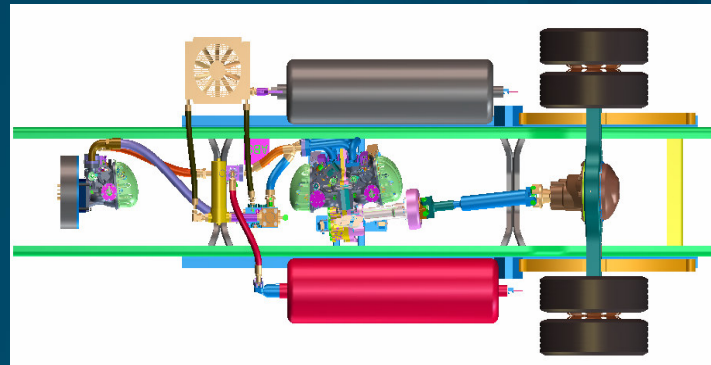
- **New York Container Terminal Project**

- 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?

