



Improving the NYC Ferry Boat Transportation System

Green Ferry Alternatives



Advanced Concepts for Future Vessels

(\$90k feasibility study)

- Superior energy and environmental performance
- Propulsion systems
 - Hull designs
 - Fuels

NYC Private Ferry Emissions Reduction Program



Retrofitting the Current Fleet

(\$6.8 mil analysis, demo, deployment)

- Engine modifications, Alternate fuels, Exhaust cleanup, et. al.
- Substantial Leveraging of Federal \$\$\$
- FHWA CMAQ funds; Federal Transit Administration funds
 - NYSERDA; NYCDOT; NYSDEC; FTA; PANY/NJ; U.S. EPA; NJDOT

Strong Arm Docker



Advanced Docking Concept

(\$420k design & prototype)

- Allows throttling back engines when Loading/Unloading
 - Less energy use
 - Fewer emissions