

National Ferry Study

Potential for Alternative Fuels

National Ferry Study

- Bob Gorman
- Federal Highway Administration's
 - Office of Intermodal & Statewide Programs

National Ferry Study

- Transportation Equity Act – 21st Century
 - (Section 1207 ©)
 - Inventory
 - Potential for new services
 - Potential for fast ferries
 - Potential for alternative fuels

National Ferry Study

- National Ferry Database
 - Existing databases lack critical elements
 - DOT's Volpe Center's work
 - Supplemental Survey

National Ferry Study

- National Ferry Database
 - Operators
 - Routes
 - Terminals
 - Vessels

National Ferry Study

- Vessels – 658
 - Diesel – 547
 - Gasoline – 20
 - CNG – 1
 - Electric (electric cable) – 3
 - Other – 36
 - Unknown - 51

National Ferry Study

- Focus Groups:
 - Cincinnati, Providence, Seattle & San Francisco
 - Potential for new services&
 - Potential for fast ferries

National Ferry Study

- Potential for alternative fuels
 - Norfolk, VA: Natural Gas
 - USMMA research

National Ferry Study

- Why alternative fuels?
 - Environmental concerns
 - Energy concerns

National Ferry Study

- Environmental concerns
 - Air quality non-attainment areas
 - Focus shifting to diesels
 - EPA promulgating emissions standards for marine vessels

National Ferry Study

- What alternatives?
 - Natural Gas (CNG & LNG)
 - Fuel Cells
 - Other

National Ferry Study

- Potential:
 - Emissions
 - Performance
 - Costs
 - Safety

National Ferry Study

- Imminent Potential?
- Future Potential?
 - Obstacles
 - Research Needs

Marine Transportation Study

- Large growth in shipping
- Fragmented waterway responsibility
 - Coordinate
 - More funds
 - More awareness
 - Safety & environment

Marine Transportation Study

- Sub-committee of Ferries
 - Established Sept. 2000
 - Focal point in DOT
 - Continue ferry activities