Washington Island & Madeline Island Ferry Lines

Wisconsin

Washington Island Ferry Line
Key Project Information
Vessel: MV Robert Nobel
Project: Engine Repower
Location: Washington Island, Wisconsin
Number of Engines: Two
Project Year: 2012
Funding Agency: US EPA – National Clean Diesel Funding Assistance Program

Madeline Island Ferry Line
Key Project Information
Vessel: MV Bayfield
Project: Engine Repower
Location: Madeline Island, Wisconsin
Number of Engines: Two
Project Year: 2012
Funding Agency: US EPA – National Clean Diesel Funding Assistance Program

The inhalation of diesel emissions can trigger adverse health problems, including chest pain, coughing, throat irritation and congestion and can worsen bronchitis, emphysema and asthma. Emissions from older marine vessels can contribute to air pollution by producing particulate matter (PM) and nitrogen oxides (NOx) that can be harmful to not only the ferry operator and passengers, but also to the surrounding communities and environment. Leonardo Academy, through a grant provided by the Environmental Protection Agency’s (EPA) National Clean Diesel Funding Assistance Program, facilitated efforts to reduce emissions from two Wisconsin ferry operators.

Estimated Project Benefits:
- CO₂ Reduced - 2130 tons
- NOₓ Reduced - 110 tons
- PM Reduced - 1.75 tons
- Diesel Savings - 192,000 gal
- Fuel Cost Savings - $864,000

Washington Island Ferry Line (WIFL) and Madeline Island Ferry Line (MIFL) were awarded funds to help offset the cost of repowering the engines on WIFL’s MV Robert Noble and MIFL’s MV Bayfield. Operating approximately 280 days per year, these ferries serve as the primary provider of transportation to and from the islands for passengers, vehicles, and freight. These repower projects will assist the ferry lines in achieving better fuel efficiency and help improve air quality by producing fewer emissions.