

# Washington Island Ferry Line & Madeline Island Ferry Line

## 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. SIG staff, 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:

- CO<sub>2</sub> Reduced- 2130 tons
- NO<sub>x</sub> 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.