

PRESS RELEASE



GUIDELINES FOR ENERGY EFFICIENCY: HULL AND PROPELLER OPERATIONS AND MAINTENANCE

THE SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS HAS PUBLISHED THE TECHNICAL REPORT Marine Vessel Environmental Performance (MVEP) Assessment Guide: Energy Efficiency: Hull and Propeller Operations and Maintenance. The bulletin was written by Daniel Kane, reviewed by SNAME Technical & Research Panel EC-10; Co-Chaired by Dr. Eleanor K.N. Kirtley, PE, Timothy S. Leach, PE, and Brian M. Ackerman, and approved by the Society's Environmental Engineering Committee Chaired by Bruce A. Russell. This Guide is the first in a series being developed to address vessel environmental performance.

This guide discusses three main areas that relate to measuring and improving the energy efficiency of the hull and propeller in operations and maintenance. The first area describes the factors that cause an increase in hull resistance and the relative fuel consumption consequences of each. The next area reviews the current measurement and monitoring means of hull roughness. Lastly, prescriptive measures that minimize hull resistance and maximize propeller efficiency are provided. The measures include operational best practices before, during, and after drydocking, guidance on selecting a coating system, monitoring and measuring performance, and scheduling inspections and cleanings. A comparison of different hull coating systems is provided. Current regulations, initiatives, and future developments are presented. Integration of the proposed measures into an overall environmental strategy to reduce emissions is introduced.

The new publication is identified as Technical and Research Bulletin 6-2 MVEP EE-1. It is a 25-page report issued electronically. It may be ordered through the SNAME web site (<http://www.sname.org/SNAME/Go.aspx?c=ViewDocument&DocumentKey=ded3b7b0-d044-44c9-ac1f-45a1840f8b03>) or by contacting Tommie-Anne Faix (tfaix@sname.org or 201-499-5068 for \$40 (\$20 for SNAME members).