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**Workgroup Recommendations and Other Potential Control Measures**  
**Non-Automotive Gasoline Engines Workgroup**

**NA008 – Variable Registration Fees for Boat Engines**

<p><b>Control Measure Summary:</b> This control measure would require boat owners to register the boat engine(s) at the time of boat registration and pay registration fees according to length of the boat, as well as the age and the horsepower of the engine. The boat engine registration fee schedule would be designed so that lower fees would be assessed for the newest engines.</p>	<p style="text-align: center;"><b>Emission Reductions (tons/summer day)</b></p> <p>Turnover of 1% of the boat engine population to new standards yields 0.29 tons/summer day VOC benefit</p>	
<p><b>2002 existing measure:</b> New program.</p>		
<p><b>Candidate measure:</b> <b>Implementation:</b> At the present time, boat owners are required to annually register their boat with the Motor Vehicle Commission. This new program would require that the engine(s) that power the boat (if applicable) also be part of that registration. A fee schedule would be developed to encourage the replacement of older engines with newer engines. A fee schedule would need to be developed. The registration fees generated for this program would be spent on improving air quality through education, outreach and incentive programs that accelerate the turnover of higher emitting boat engines for lower emitting ones. <b>Timing of Implementation:</b> As soon we could develop a joint plan for implementation with the Motor Vehicle Commission. <b>Implementation Area:</b> Statewide</p>		
<p><b>Recommendation:</b> Implementation</p>		
<p><b>Brief Rationale for Recommended Strategy:</b> Recreational marine engines emit 54% of the PM and 32% of the VOCs of all nonroad spark-ignited engines in New Jersey. Boat engines also tend to have slow population turnover rates due to their high acquisition cost. Recreational marine usage is most appealing on days that are conducive to photochemical reaction.</p>		

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