



32nd Annual Solar Boat Regatta May 18th, 2024

The Minnesota Renewable Energy Society (MRES) is pleased to announce its 32nd Annual Solar Boat Competition; scheduled for Saturday, May 18, 2024, at Riley Lake in Eden Prairie, MN.



MRES' Solar Boat Competition has given hundreds of students valuable and unique experience with photovoltaic systems, boat design, and construction. MRES is partnering with teachers to enhance the competitive nature of the event, expanding the number of schools participating and extending the solar education throughout the school year.

A solar boat makes use of the sun's radiation. The solar energy must be received exclusively by on board transducers (photovoltaic cells). On board storage and conversion into intermediate forms of energy (electric energy storage in batteries) are permitted. The boats must not be designed to use forms of energy other than solar; no wind; no Human Power; no Gas Engine Power; no additional batteries; no additional PV cells.

<https://www.northerntool.com/products/nature-power-solar-panel-power-kit-110-watts-model-53110-88432>

In 2024 there will be three classes: Student class; Adult class – individuals or groups not associated with a school and Experimental class – boats that exceed the criteria listed in the rules. Rules and entry information will be available on our website.

Trophies will be awarded in the following categories: Slalom, Speed, Endurance with additional competitive opportunities in website design, and creative design.



For further information: 612-308-4757 or www.solarboatrace.net

MRES was established in 1978 as a non-profit organization to promote public awareness of renewable energy in Minnesota through education and demonstration of practical applications, emphasizing solar energy. Activities include an annual Solar Home Tour, Solar Boat Regatta, educational outreach, a solar demonstration trailer, and legislative initiatives. MRES is the Minnesota state chapter of the American Solar Energy Society (ASES), providing public awareness and experience-based education about solar applications.

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