Net Zero

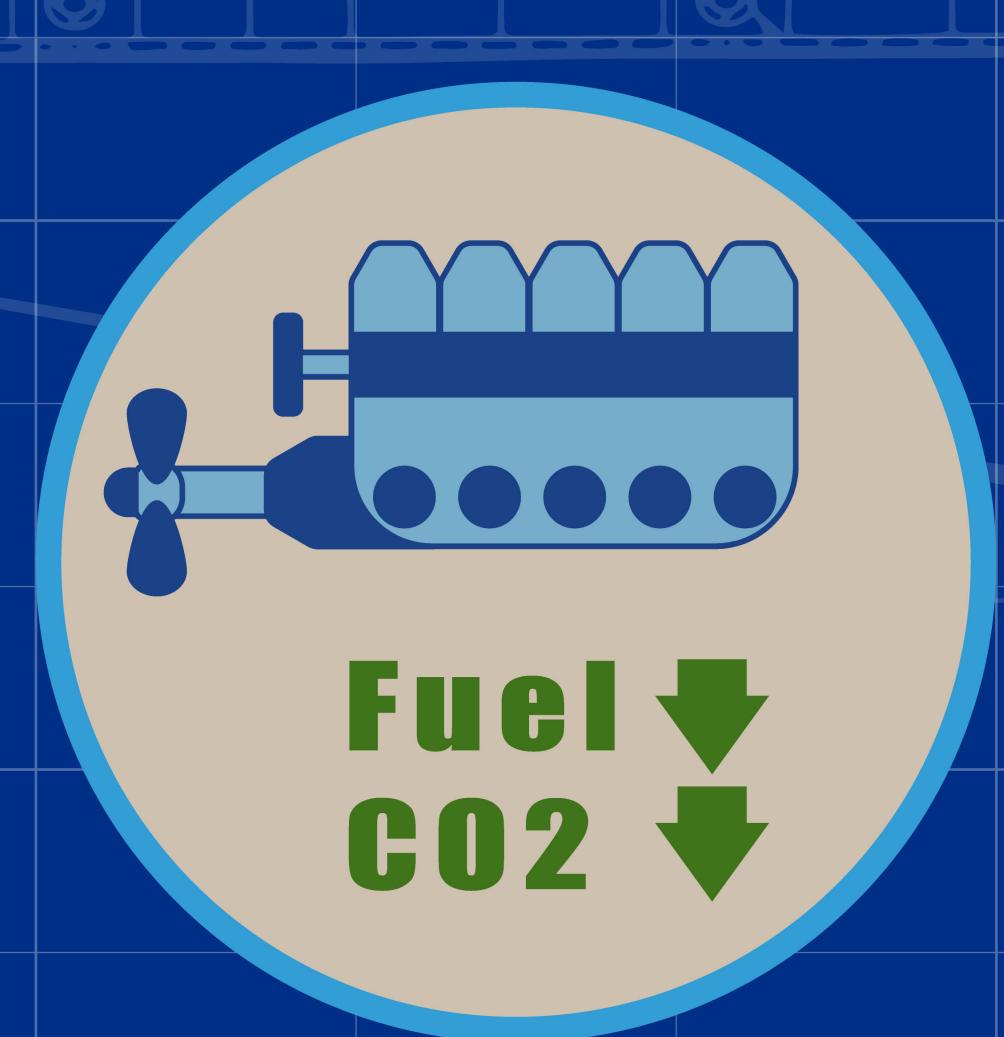
The NOAA Fleet is going Green with New Ship Configurations

NOAA's newest ships will include technologies to reduce carbon dioxide emissions, working towards NOAA's goal of net zero emissions for the fleet by year 2050.



Power Saving Batteries

The latest in power-generation technology will enhance the sustainability efforts set by the NOAA Fleet. This will include lithium ion batteries that will act as a power reserve for NOAA ships.



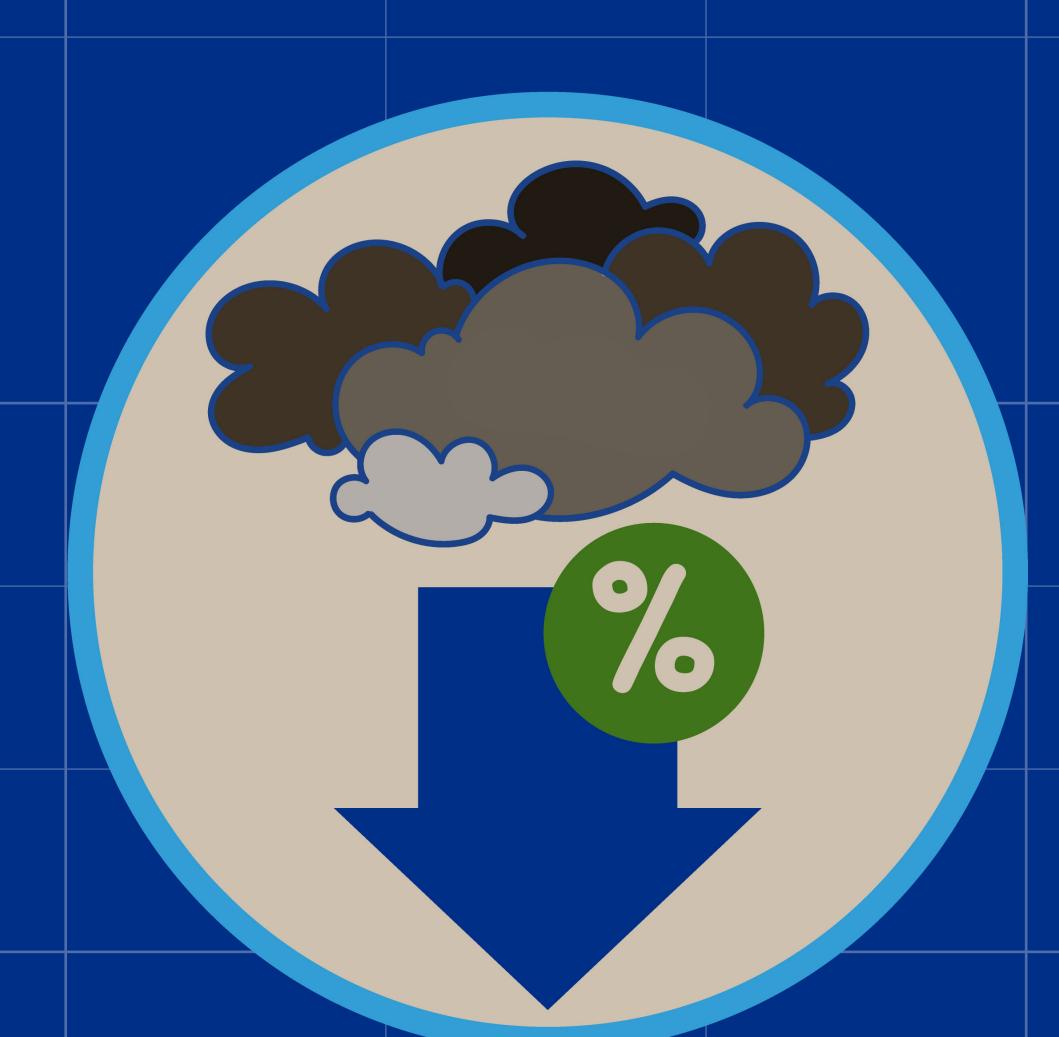
Hybrid Propulsion Systems

The new propulsions systems are projected to use less fuel than equivalent sized vessels operating traditional diesel engines, resulting in a significant reduction of CO2 emissions.



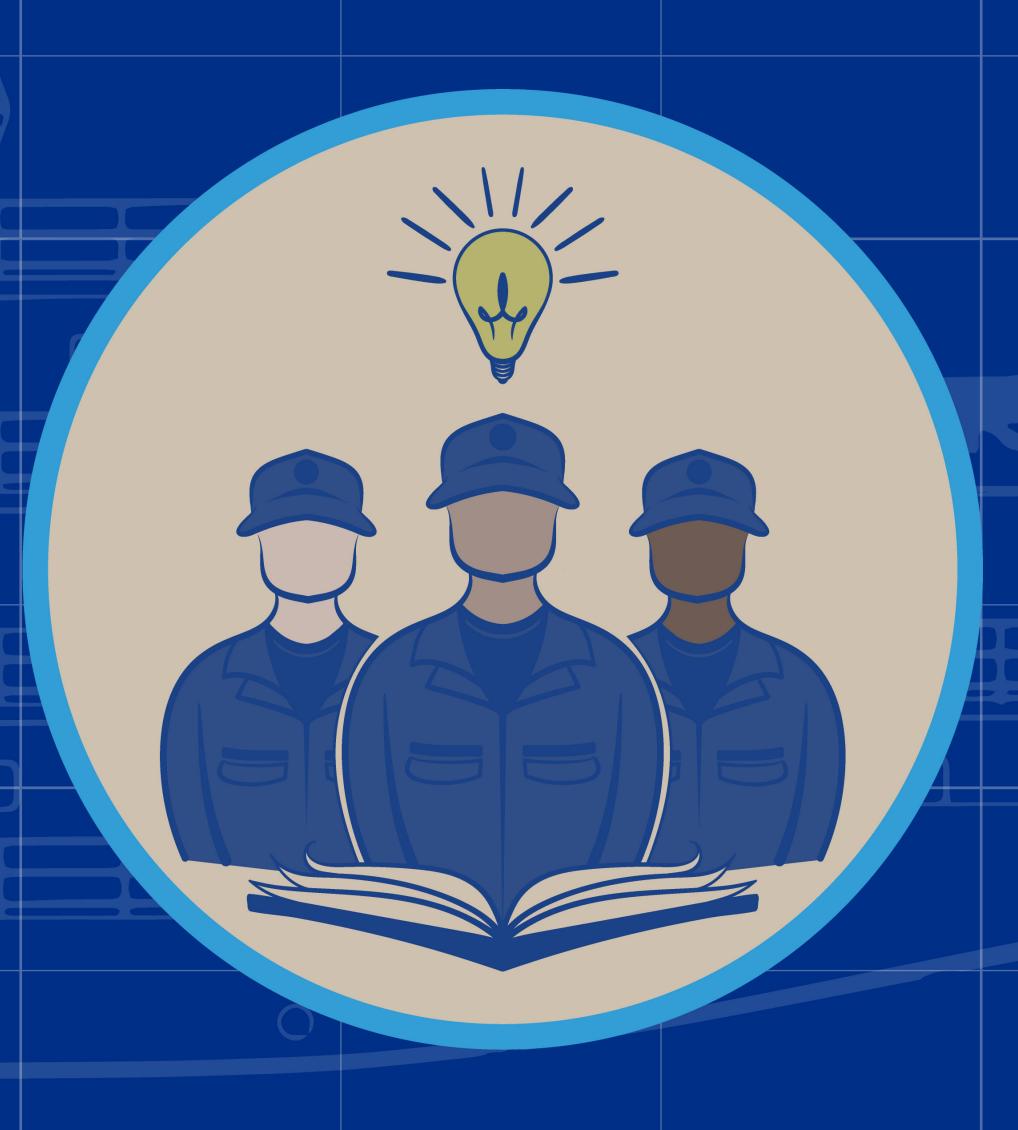
Partnering with the Navy, NOAA performed extensive hull testing on newer ships during the preliminary design stage to ensure both the hull and the propeller produced less noise or bubble interference while maximizing fuel efficiency.





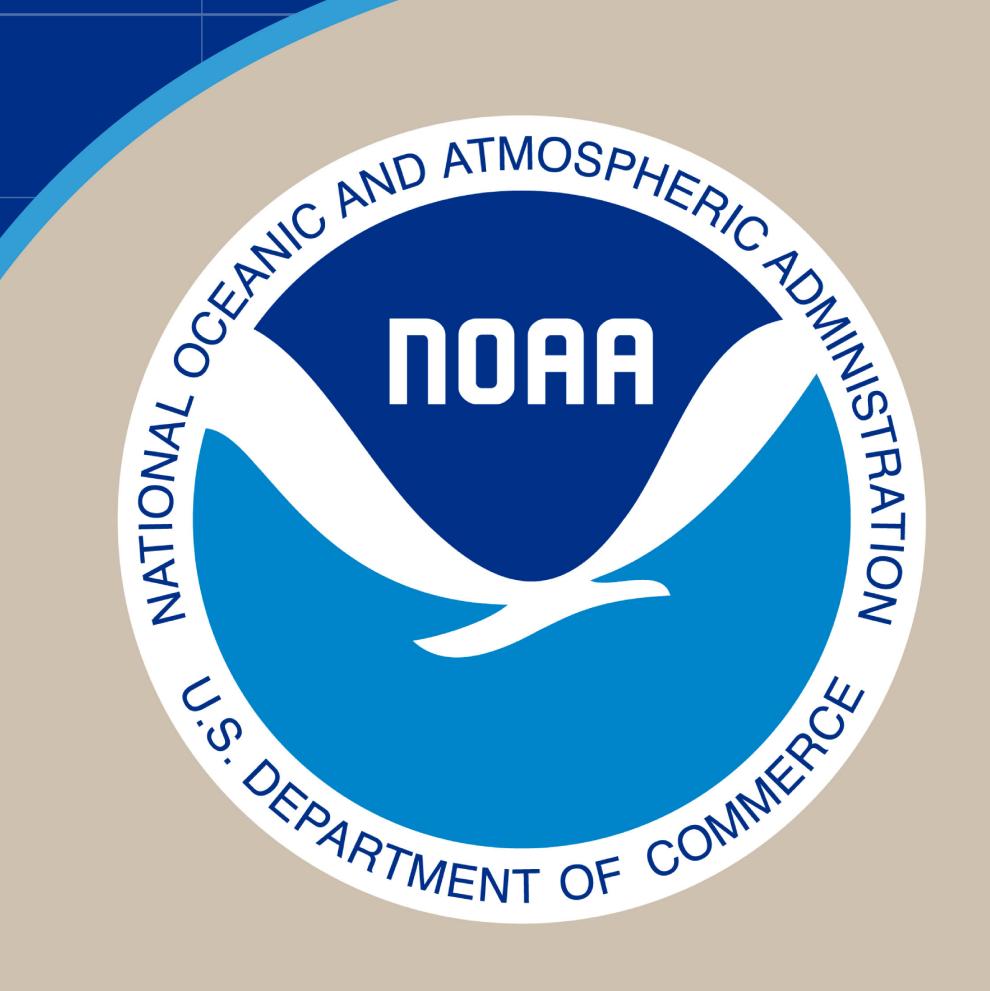
Reduced Impact to the Environment

Diesel engines with sustainable functionality will not only reduce carbon dioxide emissions, but will also reduce other air pollutants like particulate matter and nitrous oxide compared to previous engine models. NOAA's newest ships reflect the strictest EPA emissions requirement for off-highway diesel engines. This transition is the most significant reduction for the NOAA Fleet.



NOAA Personnel Training

Operators will be educated to effectively leverage these newer technologies, and maintenance personnel will learn the safety measures and handling techniques of sustainable technologies to receive the proper certifications.



NOAA MARINE& AVIATION OPERATIONS