

For More Information



ABOUT THE CARSON CITY

Secretary of the Navy Ray Mabus named T-EPF 7 after Carson City, Nevada to honor the values and the men and women of the community and the state of Nevada. It is the second U.S. Navy ship to bear the name. The ship carries the bell from the USS Nevada, which was the only ship to get underway during the Japanese attack on Pearl Harbor in 1941.

Expeditionary Fast Transport (EPF) vessels, formerly Joint High Speed Vessels, are shallow draft, all-aluminum catamarans. These multi-mission, non-combatant transport vessels are designed to transport 600 short tons of military cargo 1,200 nautical miles at an average speed of 35 knots in sea state three. They include a flight deck for helicopter operations, and a loading ramp to enable vehicles to quickly drive on and off the ship. The ramp is designed to accommodate the limited piers and quay walls often encountered in developing countries.

ONLINE RESOURCES

JHSV Home Page: www.msc.navy.mil/inventory/ships.asp?ship=223

Military Sealift Command Facebook Page: www.facebook.com/MSCd delivers

Military Sealift Command Home Page: www.msc.navy.mil

Navy Task Force Energy Facebook Page: www.facebook.com/NavalEnergy

Navy Task Force Energy Twitter Page: <https://twitter.com/navalenergy>

Navy Energy, Environment and Climate Change Web Site: <http://greenfleet.dodlive.mil/home>

Currents – the Navy's Energy & Environmental Magazine Home Page:

<http://greenfleet.dodlive.mil/currents-magazine>

Currents Facebook Page: www.facebook.com/navycurrents

USNS Carson City (T-EPF 7)



Energy and Environmental Highlights

USNS Carson City Quick Facts

Ship Type:	Expeditionary Fast Transport
Christening:	January 16, 2016
Hubbed:	Rota, Spain
Fleet Assignment:	U.S. Naval Forces Europe-Africa/6th Fleet
Length:	338 feet (103 meters)
Beam:	93 feet (28.3 meters)
Displacement:	2,460 tons (full)
Draft:	13 feet (4 meters)
Speed:	35 knots (average)
Manning:	22 Civilians
Motto:	<i>Swift Fury from the Sea</i>

Energy Facts

- **Energy audits** were conducted for this class of ship to measure baseline electrical energy and fuel use and to determine the ship's most efficient transit speed.
- **Fuel flow meters** and **shore power meters** will allow for instantaneous fuel and electrical use measurements that enable the crew to accurately determine the ship's fuel consumption and electrical load and run the ship more efficiently.
- The **Energy Management Dashboard** will provide a real-time display for the crew with continuous data logging that incorporates newly added sensors (like fuel flow meters) in an easily viewable format that will enable the crew to make energy conscious operational decisions.
- **Light-emitting diode (LED) bulbs** will replace many of the existing fluorescent tubes. LEDs are more energy efficient and last longer.
- An investigation of hull coatings is underway to determine if other coatings could better control bio fouling. **Less bio fouling** results in less drag on the ship and therefore better fuel efficiency.
- The ship's service refrigerator and freezer box temperature sensors will be retrofitted with a device that measure product/food temperature instead of ambient air temperature. This will **reduce the frequency of refrigeration cycles and overall energy use.**
- An investigation is underway to make machinery space ventilation fans more efficient using a combination of **automation upgrades** and **variable speed controls.**



Environmental Facts

- **Shredder/Compactor units** process metal and glass into small pieces which are discharged when necessary in accordance with international treaties and agreements. They also compact trash for storage and proper disposal ashore.
- **Oil/water separators** and other oil pollution abatement systems keep oil out of the ocean.
- **Paint inventory control program** assures that used and excess paints and solvents are stored for proper disposal ashore.
- **Sewage treatment plants** process waste for environmentally responsible disposal at sea.
- Environmentally acceptable **antifouling coatings** on ship's hull prevent attachment and transport of invasive marine species.
- Navy's **Protective Measures Assessment Protocol** used to avoid harassment of endangered marine animals or damage to marine environment.
- **Main engines certified** to international regulations to reduce exhaust gas emissions.

