

## For More Information



### ABOUT THE PELELIU

In the fall of 1944, the Allied forces assaulted the Japanese-controlled island of Peleliu in an attempt to gain control of its airstrip. The two-week battle had the highest casualty rate of any amphibious invasion in terms of men and material in the entire war in the Pacific. Over 1,200 Marines gave their lives and thousands more were injured.

Amphibious warships are capable of sailing in harm's way and enabling rapid combat power buildup ashore in the face of opposition. These ships are also used to support humanitarian and other contingency missions on short notice. The largest of all amphibious warfare ships, LHA 5 resembles a small aircraft carrier; capable of supporting a variety of aircraft and landing craft.

### ONLINE RESOURCES

USS Peleliu Home Page: [www.peleliu.navy.mil](http://www.peleliu.navy.mil)

USS Peleliu Facebook Page: [www.facebook.com/usspeleliu](http://www.facebook.com/usspeleliu)

U.S. Pacific Fleet Home Page: [www.cpf.navy.mil](http://www.cpf.navy.mil)

U.S. Pacific Fleet Facebook Page: [www.facebook.com/pages/Pacific-Fleet/313315455431274](http://www.facebook.com/pages/Pacific-Fleet/313315455431274)

Navy Task Force Energy Facebook Page: [www.facebook.com/NavalEnergy](http://www.facebook.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](http://www.facebook.com/navycurrents)

## USS Peleliu (LHA 5)



## Energy and Environmental Highlights

### USS Peleliu Quick Facts

<b>Ship Type:</b>	Amphibious Assault Ship
<b>Commissioned:</b>	May 3, 1980
<b>Homeport:</b>	San Diego, CA
<b>Fleet Assignment:</b>	Commander Naval Surface Force, Pacific Fleet
<b>Length:</b>	820 feet (249.9 meters)
<b>Beam:</b>	106 feet (32.3 meters)
<b>Displacement:</b>	39,967 tons (maximum)
<b>Draft:</b>	27 feet (8.2 meters)
<b>Speed:</b>	24 knots
<b>Manning:</b>	1,065 Officers and Enlisted Personnel
<b>Motto:</b>	<i>Pax per Potens (Peace Through Power)</i>
<b>Aircraft Carried:</b>	23 helicopters, 6 AV-8B Harrier attack aircraft

## Energy Facts

- Won Secretary of the Navy Gold Award for **most energy efficient ship**, large hull category.
- **Saved 37,231 barrels (or \$5,332,000) of fuel** one fiscal year versus its established LHA 1 class average fuel usage of its respective fleet.
- Only ship ever to rank among U.S. Fleet Forces Command's list of **Top Five Energy-saving Ships in the Pacific Fleet for three consecutive quarters**.
- According to a Naval Facilities Engineering Command Southwest utilities department report, Peleliu used **11 percent less energy** than all other big deck amphibious ships in the area while in port at San Diego.
- Hybrid system of gas turbine engines and electric auxiliary propulsion motors (APM) provides **comparable range** to steam turbine-powered ships of similar size, but **uses less fuel** and enables ship to get underway faster.
- Uses APMs approximately 75 percent of the time for travel at low speed (less than 12 knots) and gas turbine engines for higher speeds, **reducing wear and tear** on ship's primary engines.
- Uses **Ship Energy Conservation Assist Training (SECAT) software** and meticulous transit planning to **enhance operational efficiency**.
- Solid state lighting **reduces energy use and maintenance requirements**.



## Environmental Facts

- **Plastic waste processors** melt and compress all plastics for onboard storage.
- **Pulpers** shred paper and cardboard for safe disposal at sea.
- **Grinders** process metal and glass into small pieces which are discharged in biodegradable burlap bags to avoid floating debris.
- **Paints, solvents and other chemicals** needed for maintenance are managed via a strict inventory control system.
- **Oil/water separators** and other oil pollution abatement systems help keep oil out of the ocean.
- **Tributyltin-free coatings** on ship's hull and propellers reduce drag from biofouling organisms.
- **Ballast tanks are purged** twice with seawater before the ship enters port to avoid introducing invasive species.
- **Ship's lookouts** are trained to spot whales and alert the ship to change course if needed to avoid collisions with marine life.

