



The Propeller Club of Northern California

Salute to the Jones Act

Ed Washburn
SVP, Fleet Operations
Pasha Hawaii

Maritime Day 2023



Celebrating American Maritime



MV George III Arrival into Honolulu – August 2022



SPECIFICATIONS

- Length: 236 meters (774.3 ft.)
- Beam: 35 meters (114.8 ft.)
- Draft: 10.8 meters (35.4 ft.)
- Speed: 23.0 knots
- Deadweight: 43,500 metric tons

CAPACITY

- 2,525 laden TEUs
- 45-ft. container: 500
- 40-ft. reefer container: 400
- 40-ft. container: 300

PASHA HAWAII®

MV George III is the most hydrodynamically efficient
containership in the world

Sister Ship: *MV Janet Marie* – April Sea Trials



West Coast Clean Fuels Bunkering August 2022 – Port of Long Beach



First Marine LNG bunkering on the US West Coast
337,500 gallons per vessel call
Bunkering operation is less than 8 hours
LNG powered delivery trucks

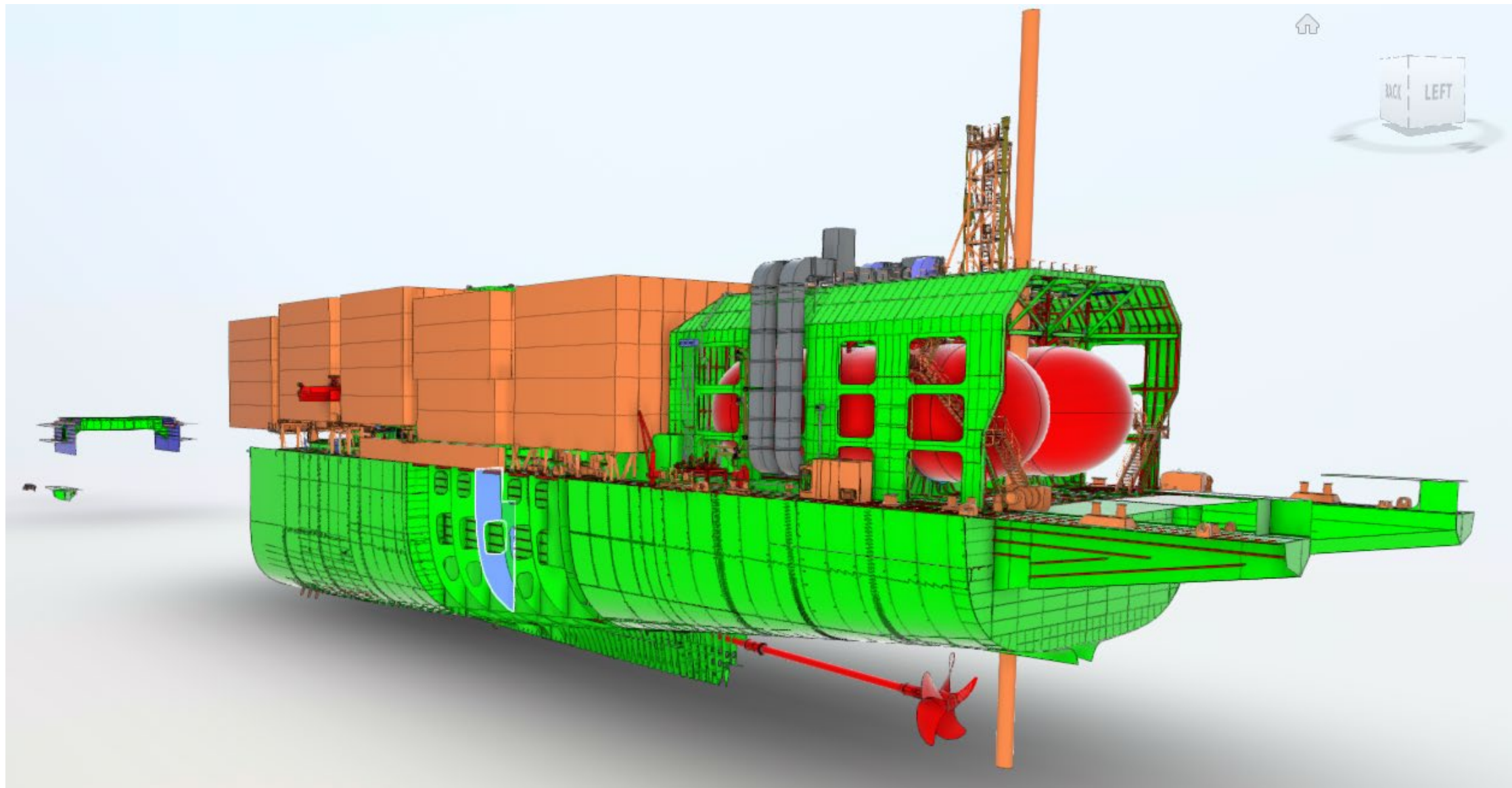


Why LNG?

- Most dramatic positive effect to port community health of all commercially available high horsepower fuels
- Eliminates pollutants PM and SOx 99.9%
- Substantially reduces GHG, NOx 90% CO2 25%
- LNG is a fuel in transition—grey to green
- A clear path to carbon neutral shipping (2050 IMO requirements)
- Bio LNG can be carbon negative



Repowering *Horizon Reliance* from Steam to LNG Dual-fuel Diesel



Repowering *Horizon Reliance* from Steam to LNG Dual-fuel Diesel



MARAD Vessel Management

- Training Ships: *Golden Bear*, *Empire State*, *State of Maine*
- Managing Bob Hope class Nelson V Brittin
- Layberth contracts for SL7's and Cape Wright



Kapalama Container Terminal in Honolulu



Kapalama Container Terminal Microgrid



PASHA HAWAII

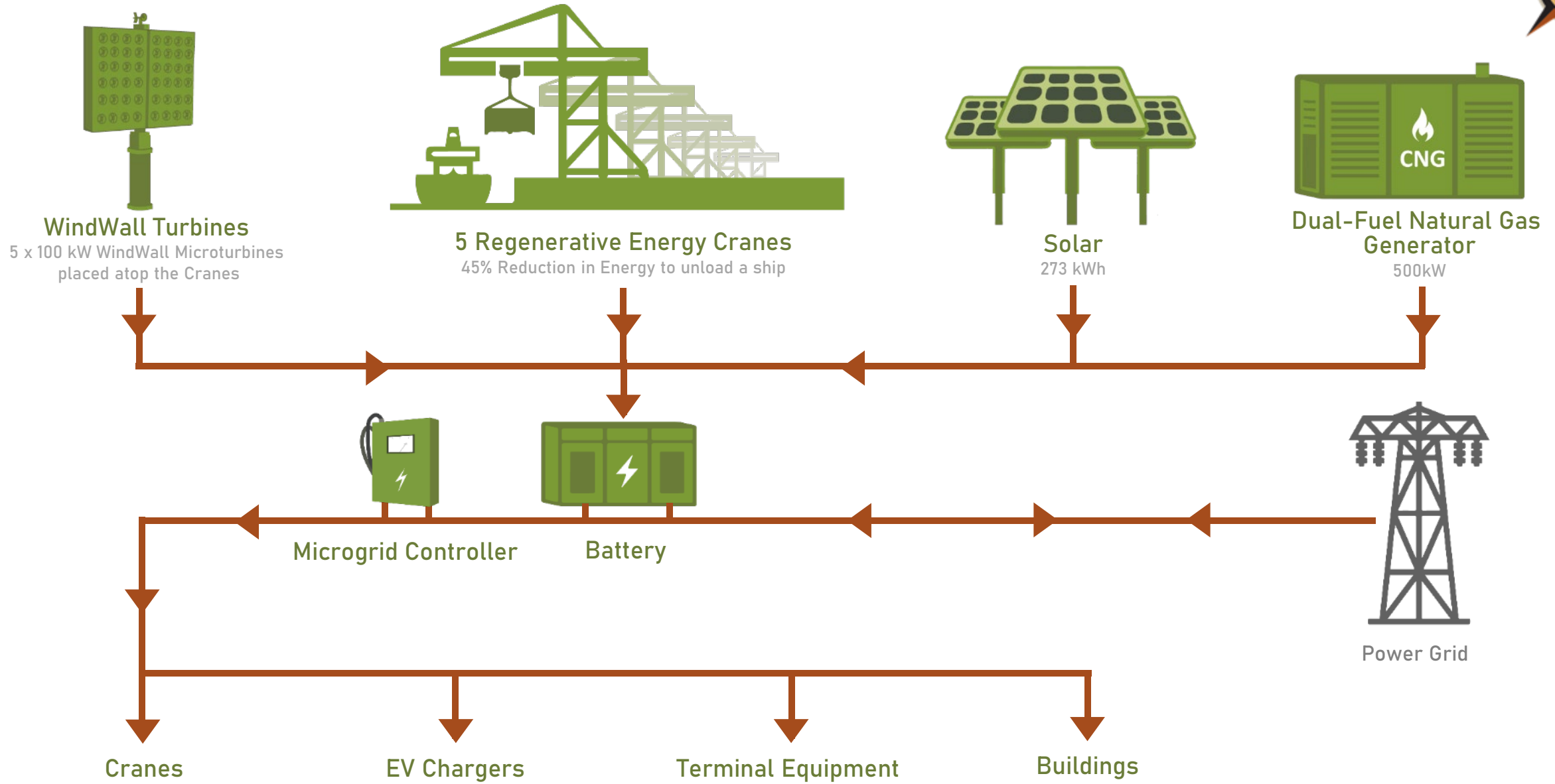
-  WindWall Microturbine
-  Solar Panels
-  Dual-Fuel Natural Gas Generator
-  Natural Gas Storage
-  Microgrid Controller
-  BESS (Batteries)
-  EV Charging



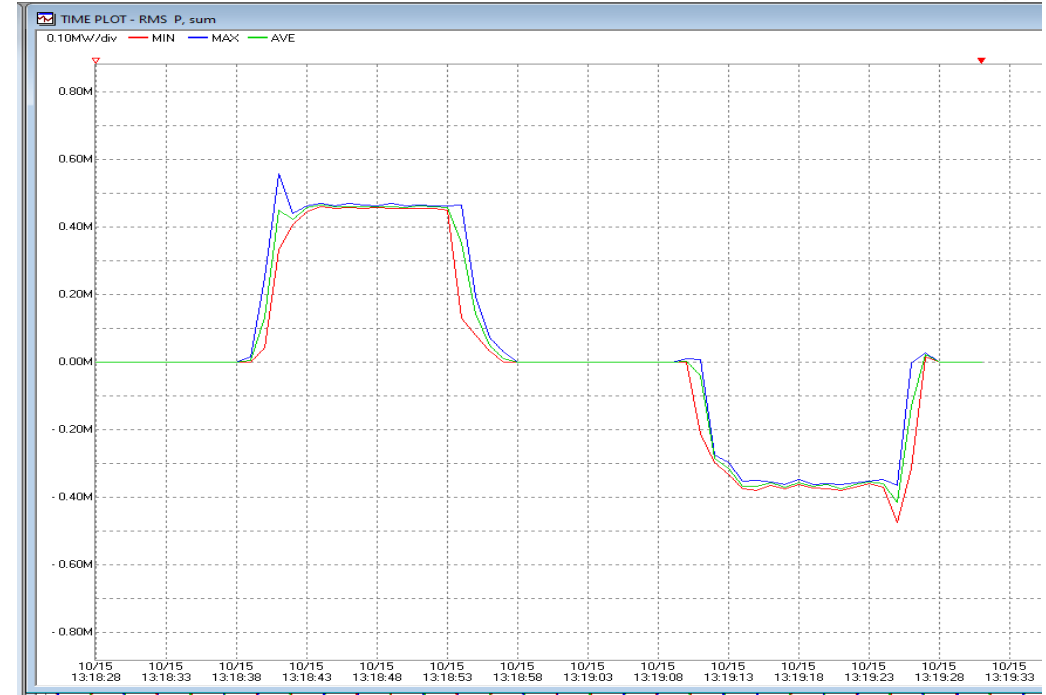
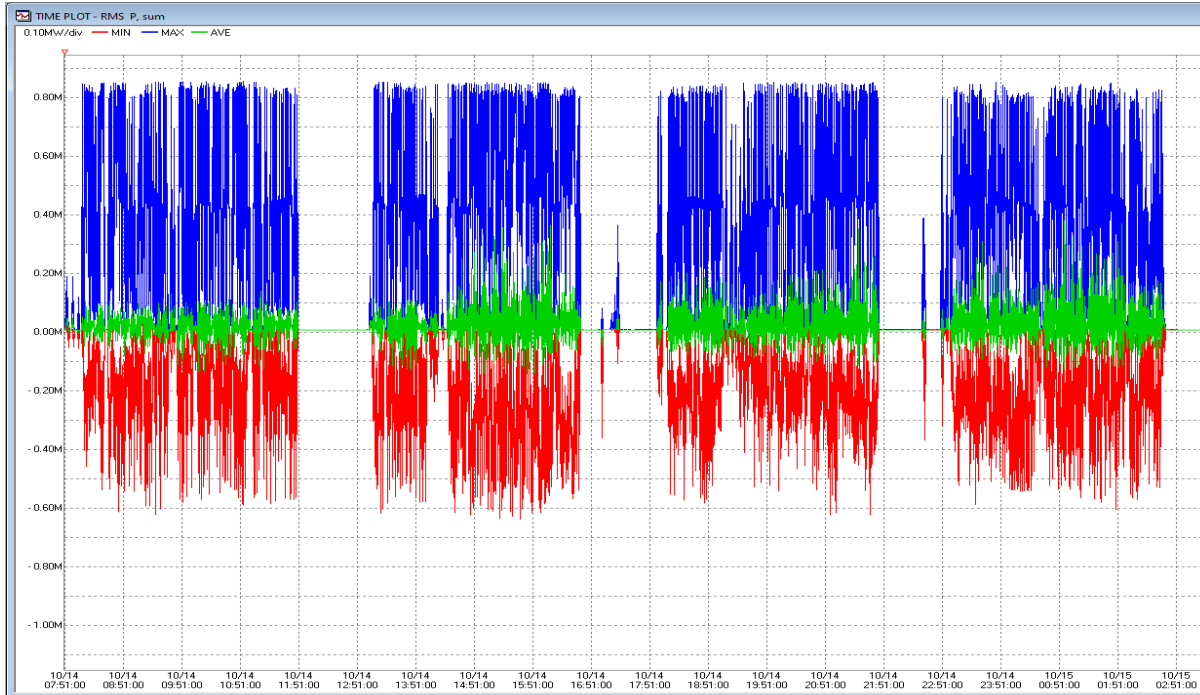
Pasha Energy Services



PASHA HAWAII®



Crane Energy and Regen During Ship Unload



- Blue is energy supplied to crane
- Red is crane regen energy supplied back to grid
- Green is average power
- Crane regen reduces the energy consumption by 45%

- Crane energy consumption and regen to lift 82,000 lbs up and then lower back down
- Hoist power was 460 kW
- Regen power was 360 kW
- Cycle is 78% efficient

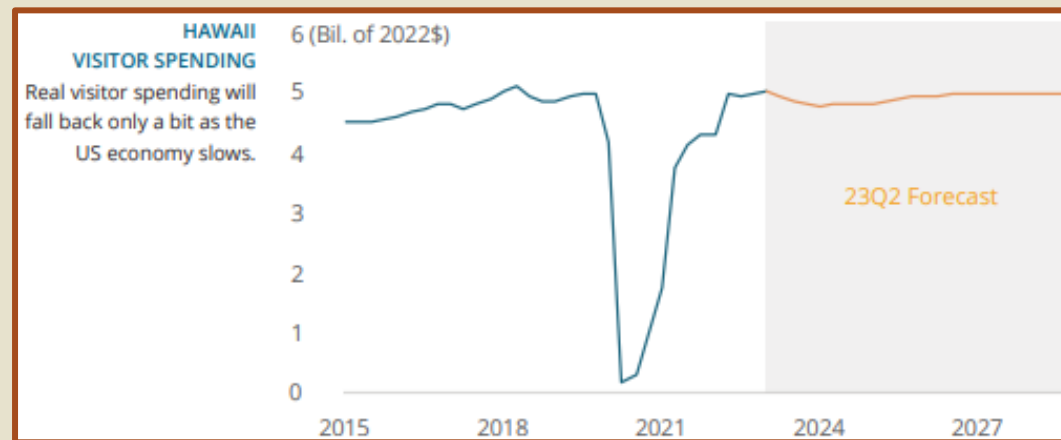
Challenges & Outlook





UHERO Hawaii State Forecast May 12, 2023

- Tourism prospects are positive, despite the delayed Japanese market recovery. Construction activity will remain high, and inflation is receding rapidly, setting the stage for real income gains.
- Global market conditions around interest rates, credit and liquidity are expected to weigh down growth.
- The Hawaii visitor industry has continued to perform well, with activity only slightly below 2019 levels. Visitor spending has climbed back as well.
- Inflation has receded faster in Hawaii than the national level. The Hawaii labor market is healthy, with about 3.5% unemployment.
- Real income nearly recovered to the pre-pandemic level last year and is expected to grow 2.5% annually.

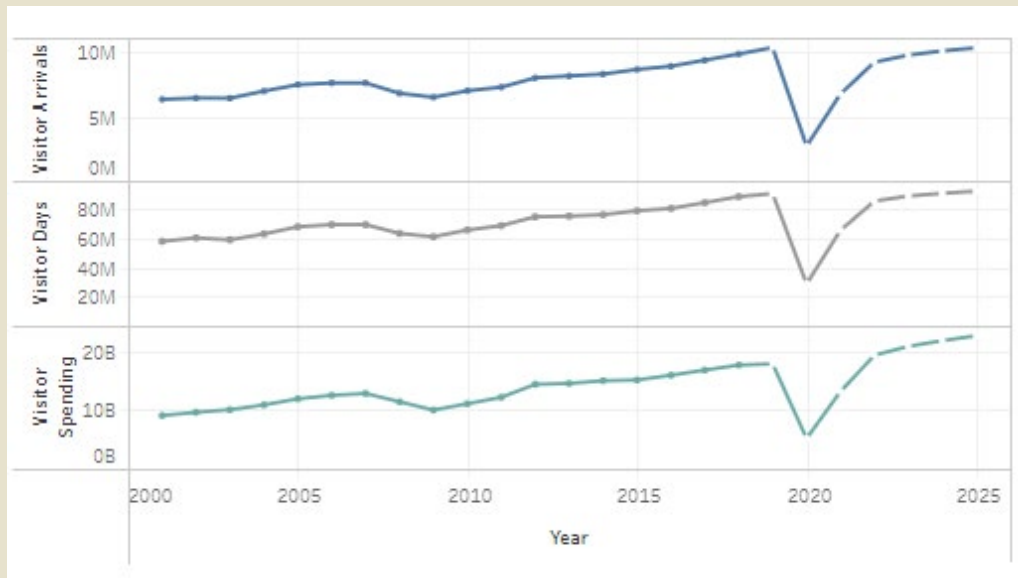




Hawai'i Dept of Business, Economic Development & Tourism

Q1 2023 Update: Forecast and Actuals

- Hawaii is expected to welcome 9.8M visitors in 2023, an increase of 6% from the 2022 level.
- Visitor spending is expected to increase 7.8% in 2023 with annual spend at \$20.82B.



Visitor Market at Glance (by air only)

Category	March 2022	March 2023	% Change
Visitor arrivals	785,715	892,239	13.6
Visitor days	7,017,618	7,790,730	11.0
Visitor expenditure (\$mil)	1,524.6	1,833.6	20.3
Avg. length of stay (days)	8.93	8.73	-2.2
PPPD (\$)	217.3	235.4	8.3



Challenges to the Jones Act Persist Despite Highest Service Levels

- U.S. Jones Act carriers have consistently provided reliable, on-time transportation services, without experiencing the spike rate increases or delays/bypasses that have taken place in the international shipping market.
- Our crews have demonstrated tremendous dedication working throughout the pandemic. Pasha Hawaii received Quest for Quality Top Ocean Carrier Award in 2022.
- New anti-Jones Act bills are coming through as a means to bring foreign operators into the US non-contiguous and US inland waterway systems.
 - These carriers do not pay US taxes and are not subject to the same safety and environmental standards as US Jones Act operators.



Why is The Jones Act so Important?

- **Homeland Security**
 - America's national security depends on safe domestic waterways and common-sense domestic commerce practice on U.S.-flag vessels.
- **National Security**
 - The Department of Defense recognizes the importance of maintaining a strong domestic shipbuilding industry.
- **Economic Security**
 - America's domestic maritime industry is responsible for nearly 650,000 jobs and more than \$150 billion in annual economic output.

Keeping up with the Jones Act – American Maritime Voices



May 2022 Newsletter from American Maritime Voices

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THE VOICE



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www.americanmaritimevoices.org



PASHA HAWAII®

Women in Shipping & Transportation

- 5/18 International Day for Women in Maritime
- WISTA Annual Meeting in DC – 200+ attendees, Admiral Fagan and Admiral Phillips supported
- Active local WISTA Chapter, including *George III* tour and events with Capt. McIntyre and SF Maritime Natl. Park Assoc.





Mahalo & Happy Maritime Day!