



# US Proposal to Enhance Energy Efficiency in International Shipping

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# *Basic Proposal*

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- Establish “attained” energy efficiency standards for new and existing vessels through a phased approach.
- Implementation via amendments to MARPOL Annex VI.
- Focus on data collection first to identify a workable efficiency metric for the sector.

# *Phase I: Data Collection Phase*

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- Establish mandatory data collection system through amendments to MARPOL Annex VI.
- MEPC calculates baseline efficiency curves as a function of ship type and size, based on 2 yrs data.
- MEPC determines if data supports establishment of energy efficiency standards derived from a baseline (vs. ship-specific standards).
- MEPC determines which metric is a best fit for the sector as a whole (or specific ship types).

## *Phase II: Pilot Phase*

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- MEPC approves program for use in pilot phase.
- MEPC tests the standards for one regulatory period, (at least 2 years).
- At the end of that period, MEPC reviews lessons learned from the pilot and recommends adjustments to the program as necessary.

## *Phase III: Full Implementation Phase*

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- Energy efficiency program goes into full effect when second set of amendments comes into force.
- Achievement of standard is mandatory.

# *Our Proposed Metric*

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## ***Joules of fuel energy/hours of operation:***

- An alternative to a cargo-based approach
- Relatively simple to collect data
- Relatively easy to check data
- No need for detailed guidelines
- Can incentivize alternative sources of energy just as well as other metrics

# *Final Thoughts*

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- Progress has been steady at MEPC.
- Data Collection is the foundation of our approach and the development of the data collection system should be the focus of the upcoming MEPC.
- Data collection allows for informed discussions at IMO as to the appropriate measures for the sector.
- Data collection has benefits beyond the potential establishment of energy efficiency standards.

*Any questions?*

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Thanks for your attention.