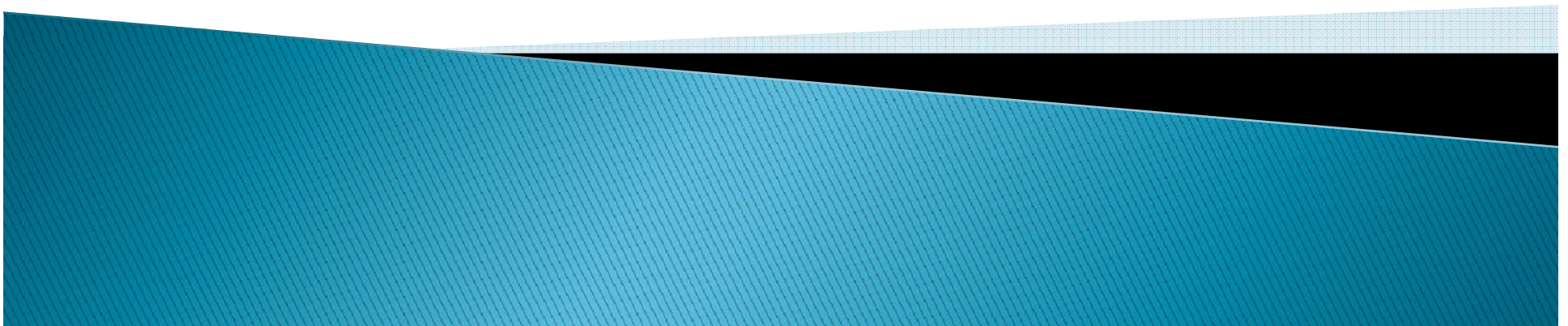


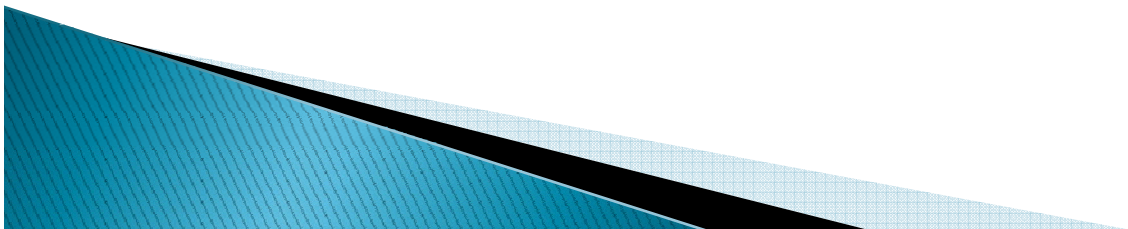
Shipbuilding and Ship Repair Environmental Stewardship Program

Status and Next Steps for Development



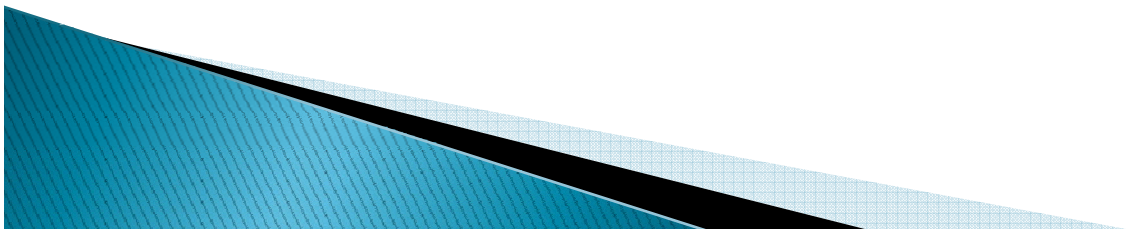
Overview

- ▶ Background
- ▶ Developed Stewardship Program
- ▶ Targeted Stewardship Initiatives
 - Metrics Challenge
 - BMP Challenge
- ▶ Questions and Next Steps



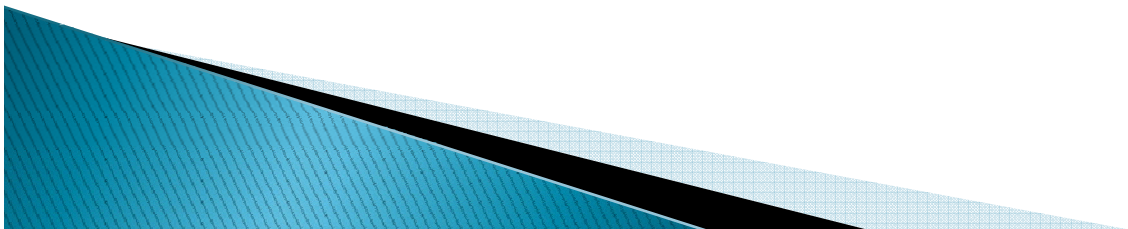
Background

- ▶ ASA and SCA have been working together, with support from EPA Sector Strategies, to develop an environmental stewardship program for shipbuilding sector
- ▶ **Goal:** Promote continuous improvement in business and environmental performance



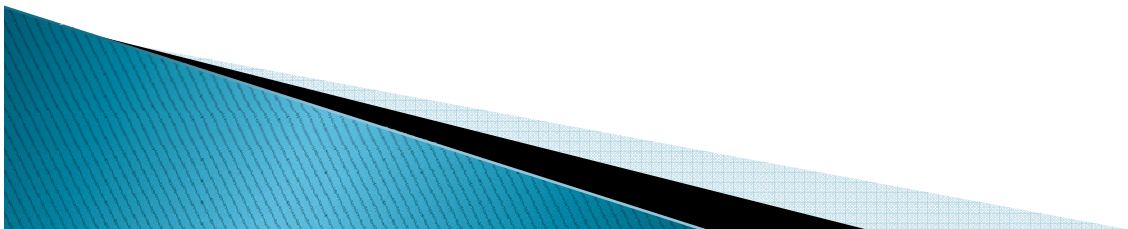
Developed Stewardship Program

- ▶ A workgroup made up of representatives from SCA and ASA yards came together to draft a stewardship program
- ▶ Workgroup developed a tiered program that required participants to implement pieces of:
 - Environmental Management System (EMS)
 - Best Management Practices (BMPs)
 - Performance measurements and metrics
 - Compliance framework



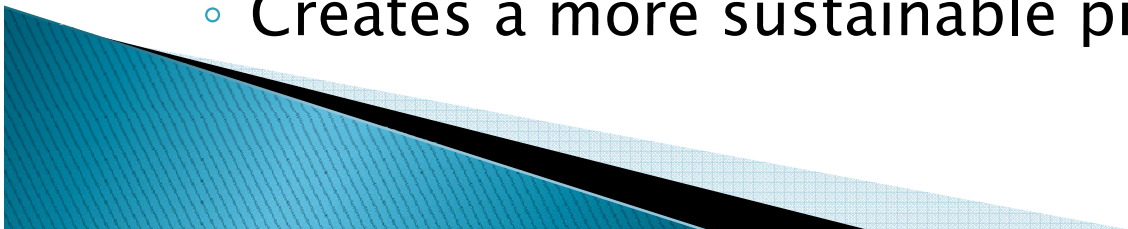
Developed Stewardship Program

- ▶ After completion of drafting, the workgroup reviewed the program, considering implementation. The workgroup:
 - Realized that this was an ambitious and valuable program
 - Expressed concern that the draft program was complex, which may dissuade some yards from participating



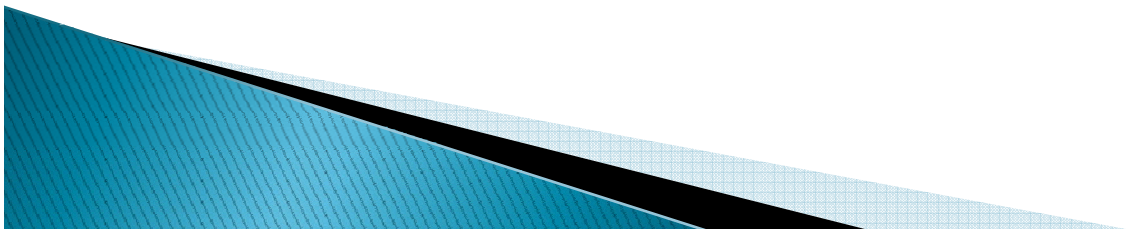
Targeted Stewardship Initiatives

- ▶ After review of the program, the workgroup decided to take a more stepwise approach to implementation
- ▶ Pieces of a program would be developed and implemented over time, with the full stewardship program as a benchmark
- ▶ Advantages of this approach
 - Encourage higher participation from yards
 - Builds capacity within yards for environmental strengths
 - Creates a more sustainable program



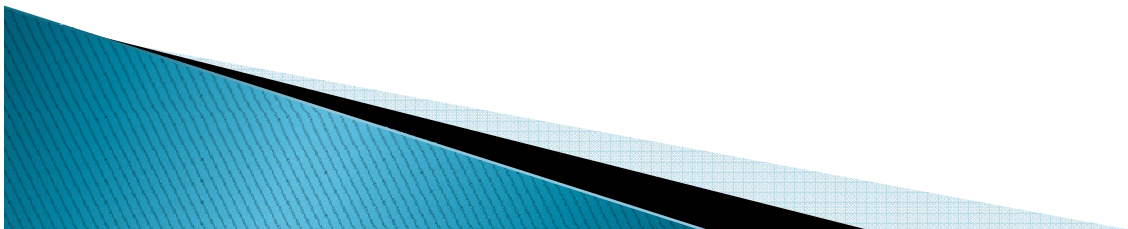
Targeted Stewardship Initiatives

- ▶ For this approach, the workgroup decided to pursue two targeted stewardship initiatives
 - Metrics Challenge
 - BMP Challenge
- ▶ The Metrics Challenge would be developed and implemented first, followed by the BMP Challenge, and then potentially other pieces of a stewardship program



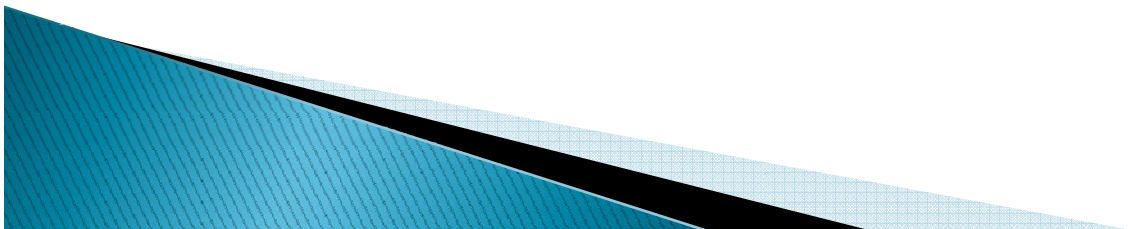
Metrics Challenge

- ▶ **Goal:** Encourage and build capacity among shipyards to measure and report on key aspects of their environmental “footprint”
- ▶ **Potential Steps**
 - ASA and SCA choose metric(s) for participating yards to track and report
 - Participating yards publicly commit to track the metrics and report to the trade associations
 - ASA and SCA aggregate the metric results and report publicly



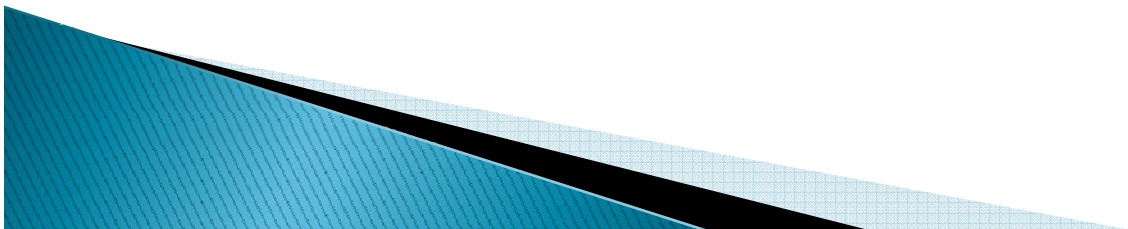
Metrics Challenge

- ▶ Metric(s) that are chosen for this challenge should be:
 - Relatively easy for yards to track in a consistent manner
 - Not otherwise required for regulatory reporting obligations
 - Relevant to the environmental footprint of most yards



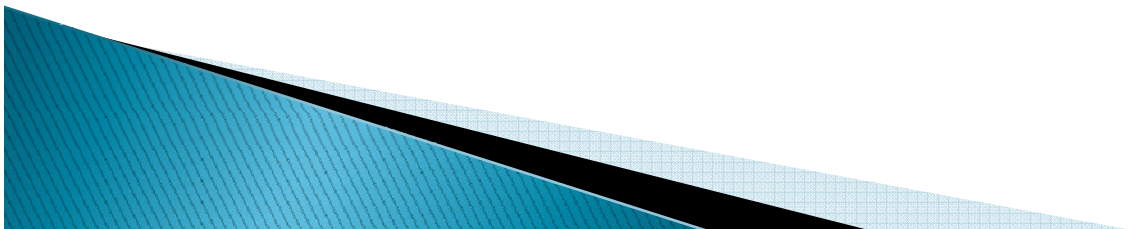
Metrics Challenge

- ▶ Potential Metrics:
 - Hazardous waste
 - Non-hazardous waste
 - Recycled materials
 - Energy Consumption
 - Others?
- ▶ Metric should include
 - Definition
 - How often tracked
 - Unit of measure



BMP Challenge

- ▶ **Goal:** Encourage and build capacity among shipyards to implement BMPs that address key aspects of their environmental footprints
- ▶ **Similar development and approach to the Metrics Challenge**
 - Agreed upon BMPs
 - Public commitment to implement
 - Trade Associations report aggregated results



Questions

- ▶ What metrics would be most valuable for a Metrics Challenge?
- ▶ What metrics would be applicable across the most yards?
- ▶ What tools and guidance are needed to implement a Metrics Challenge?
- ▶ Through what process should yards commit to a Metrics Challenge?

