Marina del Rey In-Water Dry Docking Systems Update
MARINA INTERAGENCY COORDINATING COMMITTEE
& ANTIFOULING STRATEGIES WORKGROUP
JUNE 22, 2021
Agenda

1) Marina del Rey (MdR) Copper Reduction Program
2) In-Water Dry Docking Systems
3) In-Water Dry Dock Pilot
   a) Overview
   b) Key Findings and Considerations
   c) Next Steps
Copper Reduction Program Strategies

**Paint Conversion**
- Non-copper Paints
- Low Leach Rate Copper Paints

**Remove Boat Hull from Water**
- Boat Lifts
- In-Water Dry Docks

**Hull Cleaning BMPs**
- Mandatory Hull Cleaning BMP Certification
In-Water Dry Docking Systems

- Back of the device lowers to allow boat to enter and exit through the back
- Water is pumped out from between the liner and boat

- The boat sits dry at the slip while staying at water level
In-Water Dry Docking Systems: Benefits

- Prevents Fouling
- Protects Water Quality
- Protects Hull from Impacts
- Guides Boat when Docking
- Improves Fuel Efficiency / Speed
- Reduces Electrolysis
In-Water Dry Docking Systems: Types

• Designed to certain hull types
• Lower cost (~$8K-$24K)
• Runs off boat battery

• One model can fit multiple boat sizes
• Higher cost (~$15-85K+)
• Runs off dock power
MdR In-Water Dry Dock Pilot Study

• Initial Trial: Sept 2018 - Sept 2019
• Evaluated benefits during use
• Assessed marine growth when removed from the water
MdR In-Water Dry Dock Pilot Study

• DBH purchased 2 in-water dry docks for Anchorage 47 in June and October 2019
• Demonstration Event held September 2019
  • Stakeholder concerns about marine growth under the in-water dry dock
  • Questions on time needed to inflate and deflate the device

Cost: $11K-$13K for 26-28ft boat
MdR In-Water Dry Dock Pilot Study
Key Findings and Considerations

• Marine organisms can grow on the device – that is ok!
• The reduction in hull maintenance including repainting, stripping, and hull cleaning can provide cost savings
• Better purchase for individual boat owners rather than marinas
Opportunities Moving Forward

• Both companies are interested in expanding services in CA
• If there is demand, the companies may look into getting a local person set up to help market and support maintenance
More Information

More Information

MARINA DEL REY HARBOR
COPPER IMPAIRMENT HARBOR FACTS

MARINA DEL REY HARBOR
IN-WATER BOAT HULL CLEANING

MARINA DEL REY HARBOR
Is A Boat Lift Right For Me?

MARINA DEL REY HARBOR
IN-WATER DRY DOCKING SYSTEMS

In-water dry docking systems keep your boat clean and dry while stored in-dock. These devices are different than boat lifts, as they operate without physically lifting the boat out of the water. They consist of a bottom lifting and inflatable bumper that surrounds the boat. The device deflate in the water to allow the boat to drive in and out. Once the boat is inside, the back of the device inflates, and the water between the boat hull and the liner is removed to leave the boat dry.

Benefits of Using an In-Water Dry Dock

Protection of the hull
- The inflatable tubes act as a bumper to protect the hull.

Lowered cost of servicing the boat
- The inflatable tubes allow for easier access to the hull and reduces the cost of servicing.

Increased hull water quality
- The inflatable tubes keep the water clean and free of contaminants.

https://beaches.lacounty.gov/toxics-tmdl/
Questions?

Maral Tashjian
Office: (424) 526-7750
MTashjian@bh.lacounty.gov

Brenda Ponton
Office: (213) 223-9478
bponton@bh.lacounty.gov