

# Aquatic Invasive Species BMP's



America's Cup

**Karen McDowell, San Francisco Estuary Partnership**

# Overview

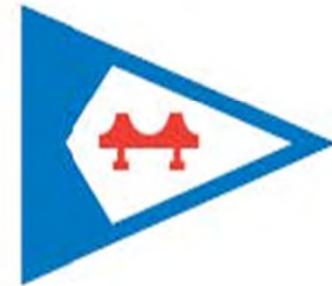
- AC34 Background
- Planning for the Event
  - Environmental Planning
  - Invasive Species BMP's
- 2012 Realities



WINNER  
33<sup>RD</sup> AMERICA'S CUP

---

GOLDEN GATE  
YACHT CLUB



The New Home  
of the  
America's Cup



# The tradition of the America's Cup meets a New Era

AMERICA'S CUP

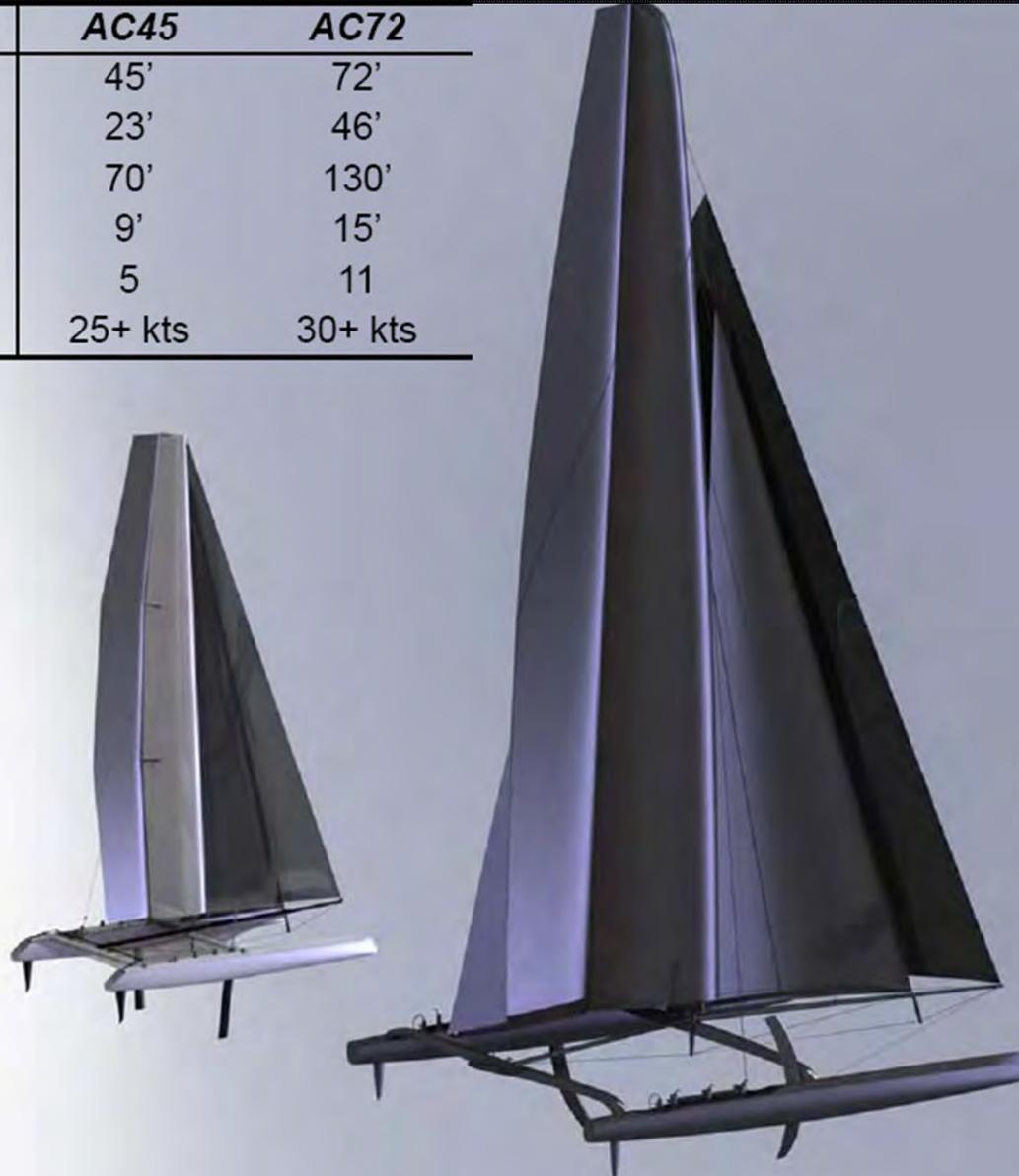




Host City Agreement  
unanimously approved by  
the Board of Supervisors  
December 14, 2010

# AC45 in 2012 vs. AC72 in 2013

	<i>AC45</i>	<i>AC72</i>
<b>Length</b>	45'	72'
<b>Beam</b>	23'	46'
<b>Height</b>	70'	130'
<b>Draft</b>	9'	15'
<b>Crew</b>	5	11
<b>Speed</b>	25+ kts	30+ kts



A large, ornate silver trophy stands in the foreground on a dark base. In the background, the Golden Gate Bridge spans across a body of water under a clear blue sky. The bridge's red towers and suspension cables are prominent.

34<sup>th</sup> AMERICA'S CUP  
San Francisco 2013

# Stadium Racing

34<sup>th</sup> SAN FRANCISCO 2013  
AMERICA'S CUP<sup>®</sup>

# Physical Planning: 1<sup>st</sup> Ever AC Visible From Shore



# Forecasting: Spectator Estimates

	2012	2013
Peak Weekday	27,000	45,000
Peak Weekend Day	120,000	296,000
<b>Total Visitation</b>	<b>1,454,000</b>	<b>5,490,000</b>



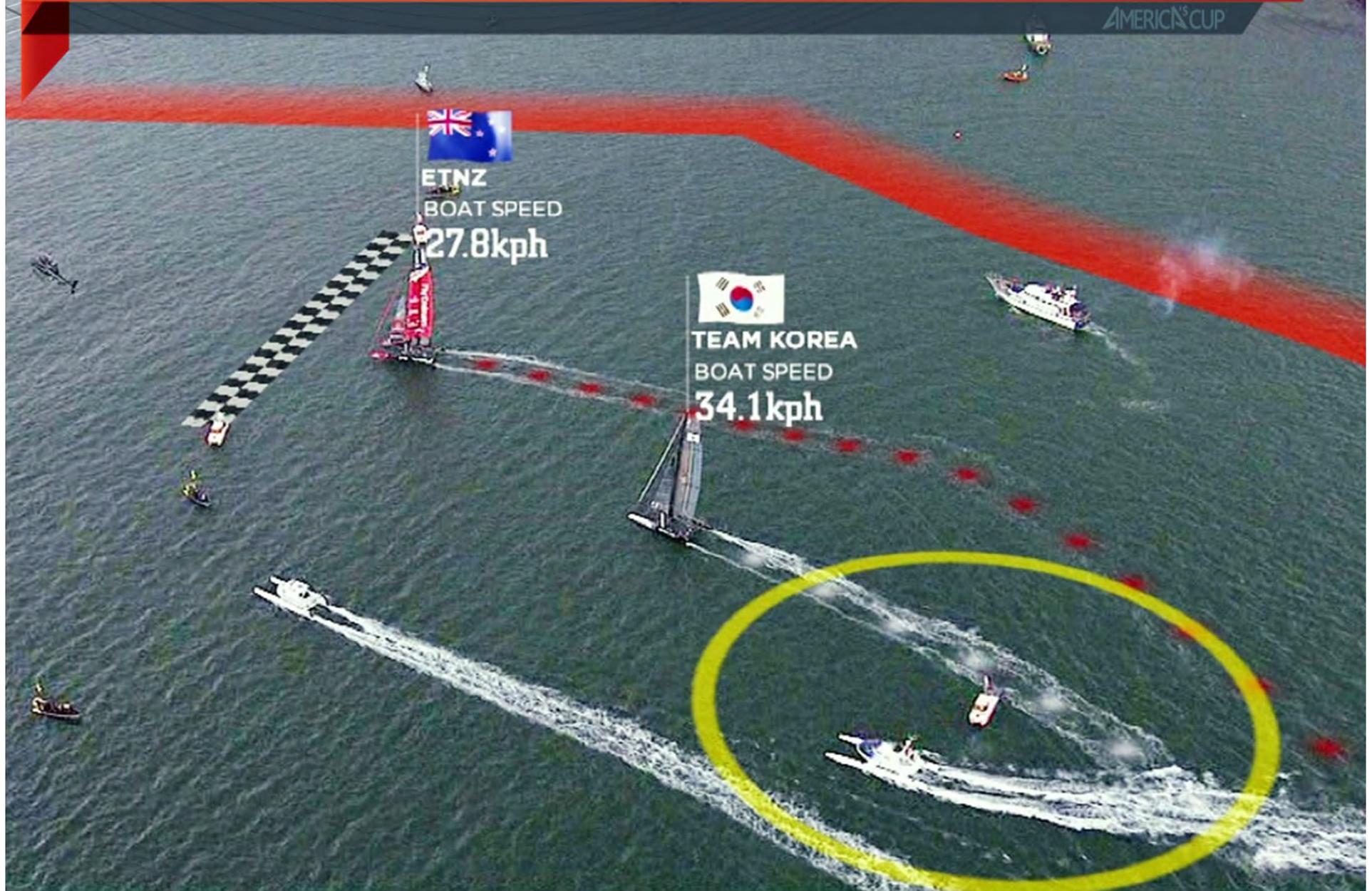
# 2013 Village @ Piers 27/29





# Revolutionary Live Line™ Graphics

AMERICA'S CUP



FINAL LEG

  
ENERGY TEAM  
TEAM KOREA

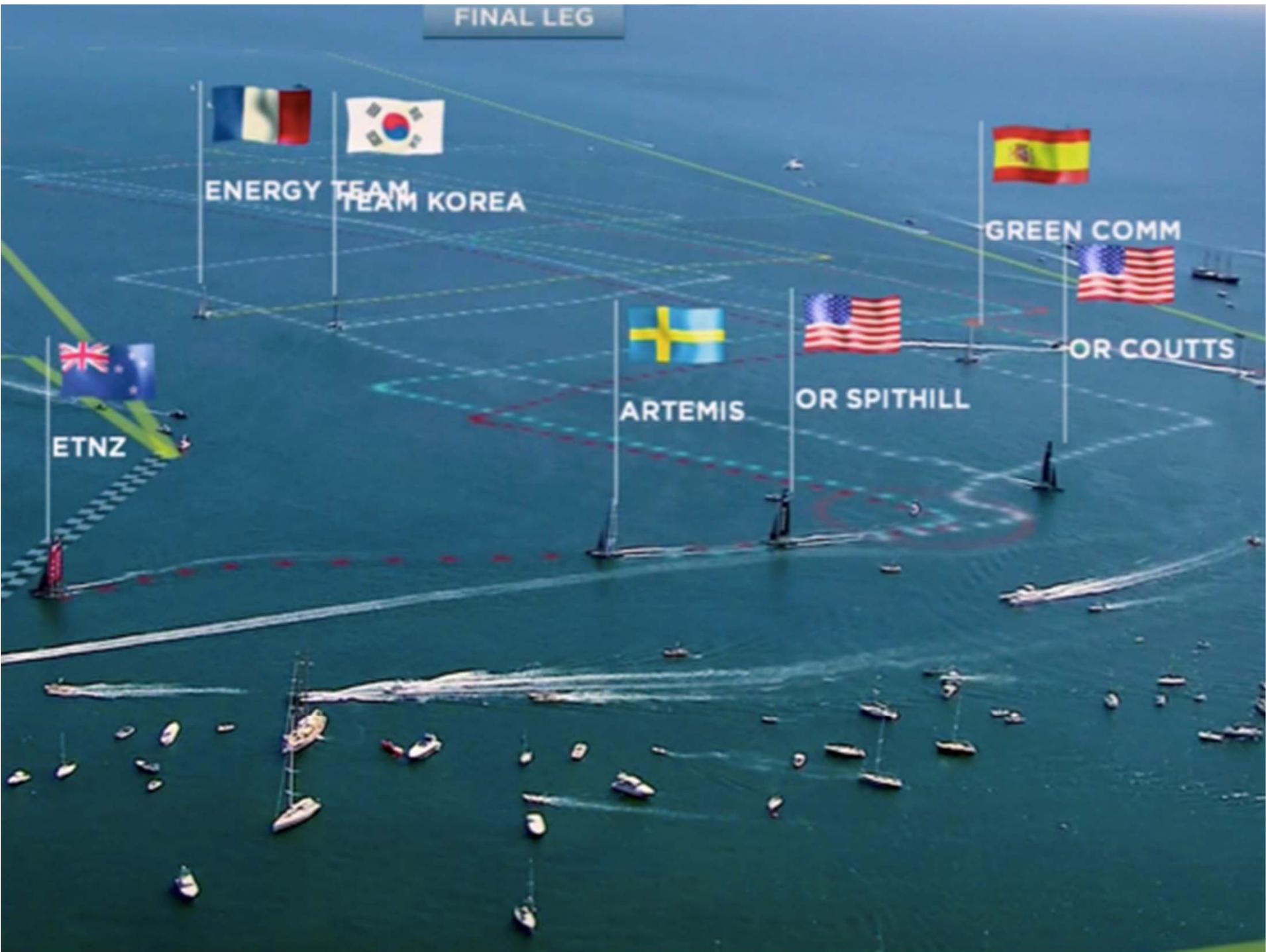
  
GREEN COMM

  
OR COUTTS

  
ETNZ

  
ARTEMIS

  
OR SPITHILL



# Early Planning

**Forecasting** – # spectators/teams, dates, econ impact

**Physical** – infrastructure improvements & long-term development rights

**Environmental** – permits & vision

**Operational** – 11 implementation plans

**Financial** – apportionment of costs, public investment,

up to \$32M in fundraising,

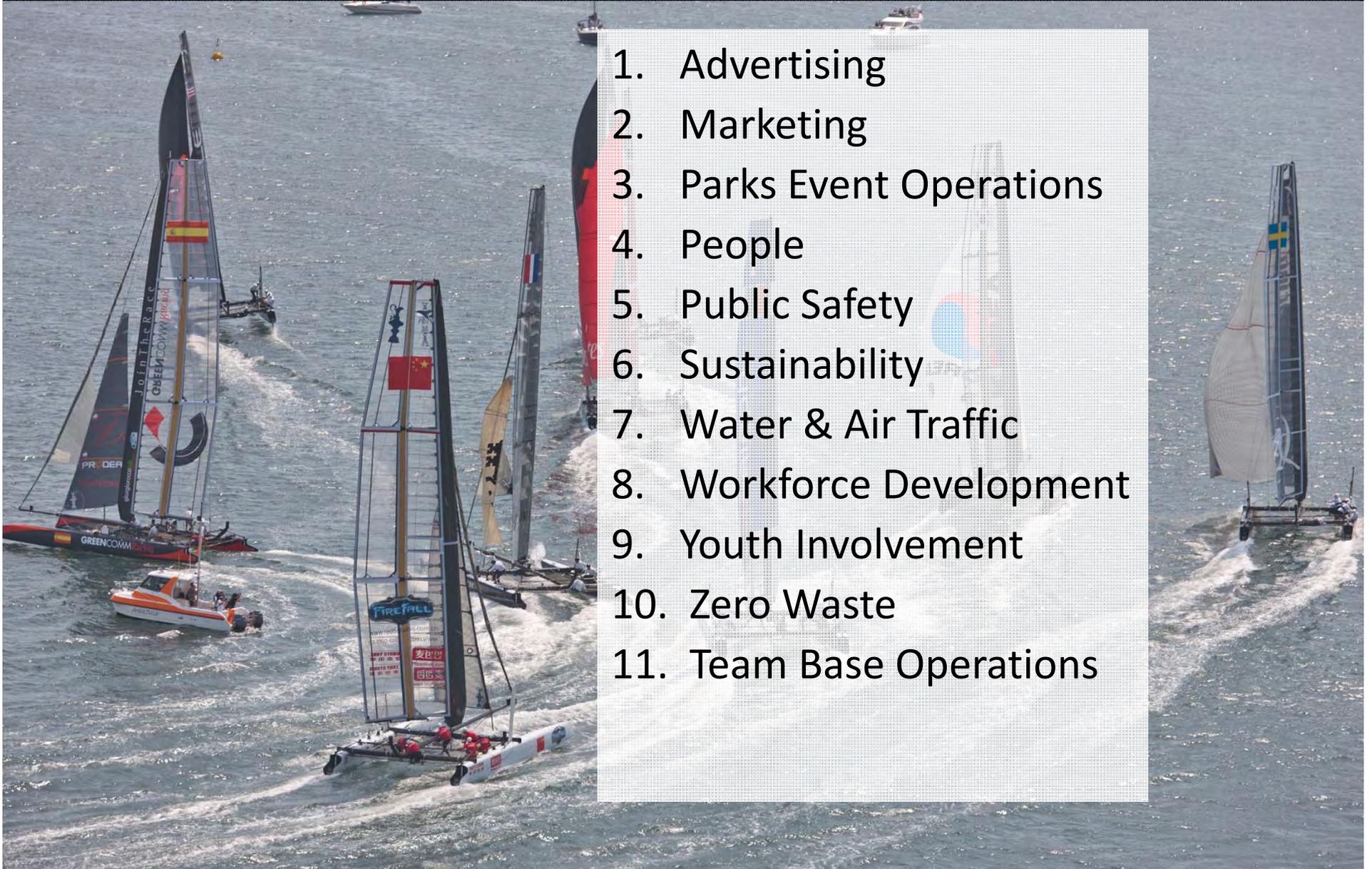
**Define Legacy** – creating value beyond 2013

# Economic Planning: 2010 estimates

- 55 race days in 2013
- 11 boats completing – hundreds of crew/family
- 8,800 jobs created
- Piers reconstructed for boat crews
- Media \$\$
- **\$1.4 billion in construction, transportation, food & beverage, and hospitality sectors**

# Operational Planning

1. Advertising
2. Marketing
3. Parks Event Operations
4. People
5. Public Safety
6. Sustainability
7. Water & Air Traffic
8. Workforce Development
9. Youth Involvement
10. Zero Waste
11. Team Base Operations



# Water Quality

**Derelict creosote pilings out**

**Stormwater control for  
shoreline developments**

*Rainwater harvesting*

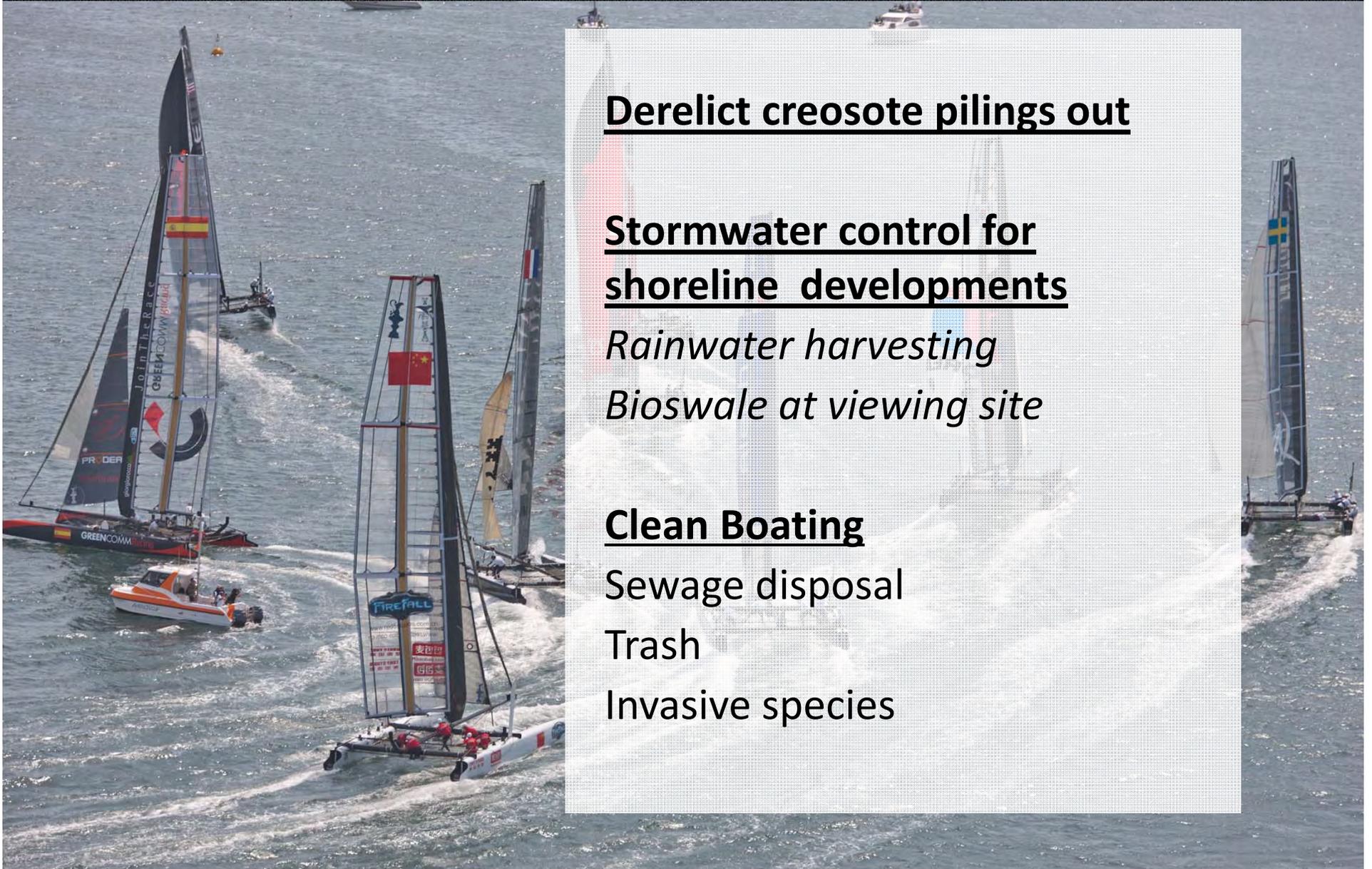
*Bioswale at viewing site*

**Clean Boating**

Sewage disposal

Trash

Invasive species



# The America's Cup: A Global Event

AMERICA'S CUP

## AC World Series

Aug 2011 - June 2012

Cascais, Portugal: Aug 6-14

Plymouth, UK: Sept 10-18

San Diego, USA: Nov 12-20

January – March 2012 TBA

Naples, Italy: April 2012

Venice, Italy: May 12-20

Newport, USA: June 23-July 1

## AC World Series

Aug 2012 - June 2013

San Francisco, USA:  
August  
September

Venice, Italy: April 2013

Naples, Italy: May 2013

Additional  
2012/2013 Dates

## San Francisco, USA

July 4 - July 21, 2013

  
LOUIS VUITTON CUP  
AMERICA'S CUP CHALLENGER SERIES

34 SAN FRANCISCO 2013  
AMERICA'S  
CUP



# Boat Spectator Estimates

<b>Boat Type</b>	<b># of boats</b>	<b># of passengers</b>	<b>Total # of passengers</b>
Recreational	2012: 650-1800 2013: 750-2,200	6	2012: 3,800-11,000 2013: 4,400-13,200
Commercial Charter	2012: 5-13 2013: 7-20	150	2012: 800-2,000 2013: 1,000-3,000
Super Yachts	2012: 0 2013: 30-60	30	2012: 0 2013: 900-1,800
<b>Total</b>	2012: 650-1800 2013: 750-2,200		2012: 4,600-13,000 2013: 6,300-18,000

# Risk levels for AC 34 Vessels

## Vessel Type

## Risk

Vessel Outside Golden Gate Bridge

High

SF Bay-Delta Boats

Medium High

Registered Super Yachts

Medium High

Trailer Launched Boats

Medium Low

AC 34 Construction Equipment

Medium

AC 34 Race Fleet

Medium Low

AC 34 Race Boats

Extremely Low



# BMP Categories

**Trailer Launched Boats**

**Boats within San Francisco Bay-Delta**

**Boats from Outside San Francisco**

# BMPs for Aquatic Invasive Species

## a) Ensure appropriate anti-fouling protection

- Check if age of the anti-fouling coating is still within the defined effective period, as indicated by the manufacturer.
  - If yes, go to (b)
  - If no, apply fresh anti-fouling coating(s), then go to (b)

## b) Prior to transit to SF Bay – “Clean before you come”

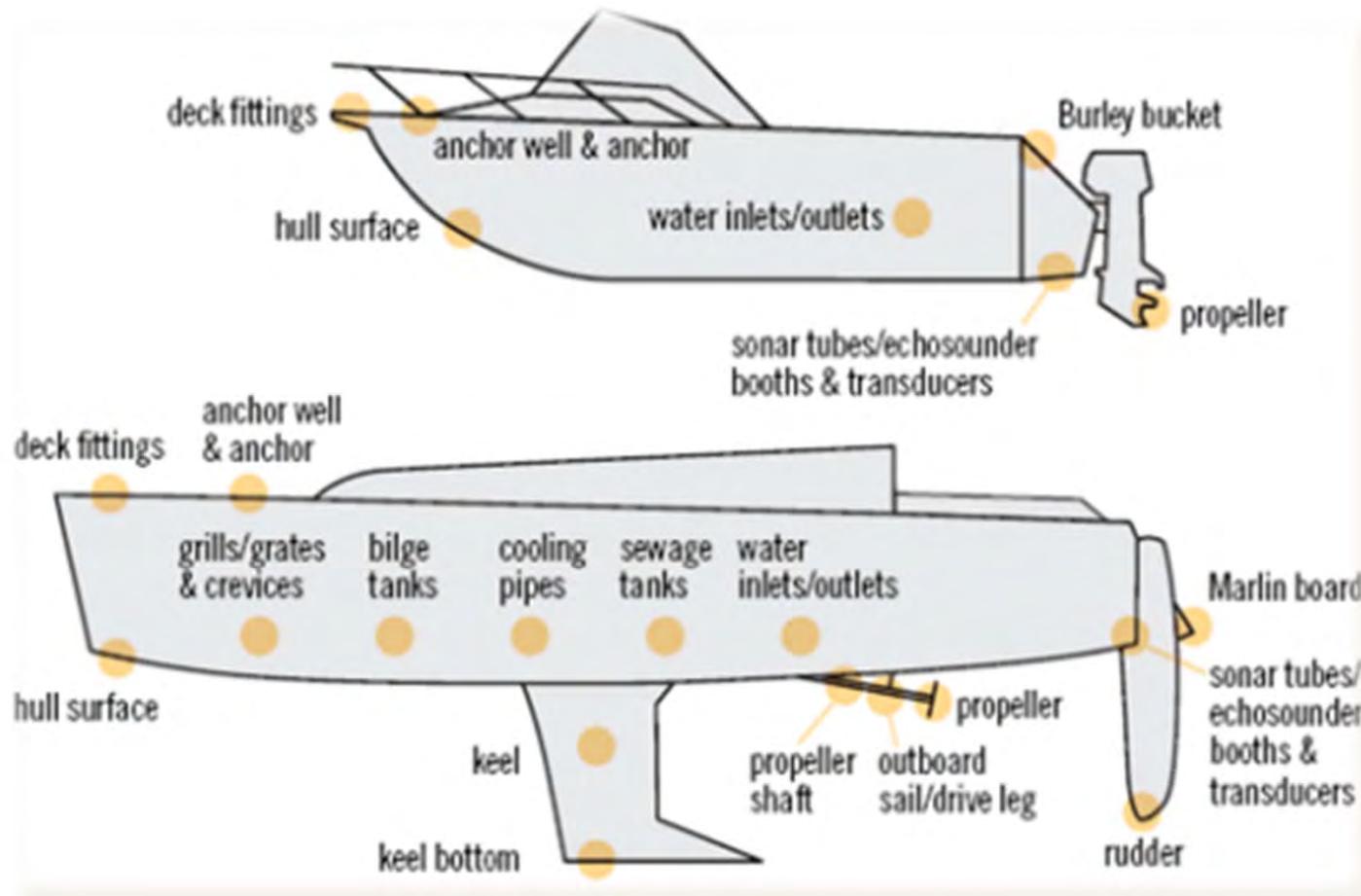
- Clean all underwater surfaces as close to departure date as possible, but no longer than a month prior to departure
- Ensure that all appendages (e.g. keel, rudder, propeller), intakes, and internal seawater systems are cleaned

## c) Prior to leaving SF Bay if the vessel has been in SF Bay for a month or longer – “Clean before you go”

- If the vessel was cleaned before coming to SF Bay, it can be cleaned in water or hauled out
- If the vessel was not cleaned before coming to SF Bay, DO NOT clean in water. Haul out for cleaning

## 2. Prior to transit to San Francisco Bay – “Clean Before You Leave”

- a. Clean all underwater surfaces as close to your departure date as possible, but no longer than one month before you leave.
- b. Ensure all appendages (e.g., keel, rudder, propeller), intakes, and internal seawater systems are cleaned (see Figure below).
- c. Do not transport live bait. Properly dispose of residual fishing bait in trash receptacles. Drain all live wells before departure.





**AMERICA'S CUP<sup>®</sup>**  
**BOATING**  
**CLEAN &**  
**GREEN**

ORACLE Racing

MONARCH Since 1865 THE DAILIES

# The Examiner

TUESDAY,  
FEBRUARY 28, 2012  
sfexaminer.com

SERVING SAN FRANCISCO, MARIN, SAN MATEO AND SANTA CLARA COUNTIES



57° 48°  
Chance  
of rain

## SPORTS

### The beard's back

Giants' closer  
says he is  
'pain-free'

PAGE 22



## LOCAL NEWS



### Room to grow

Salesforce surge  
prompts new plan

PAGE 4

## RED CARPET



# Deal OVERBOARD

America's Cup  
development pact  
falls apart, but  
regatta still coming  
to The City PAGE 5



# Fewer Teams/Fewer Nations



SWE



ITA



CHN



USA



KOR



USA



NZL



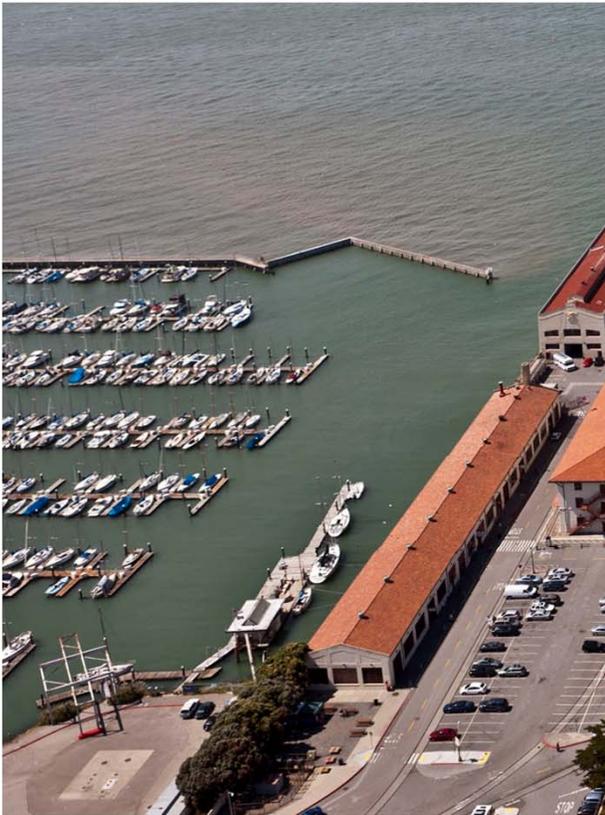
ITA



Final Deal Signed April 27, 2012

# 2012 Status

- 41 race days in 2013
- Many fewer jobs - 700 less jobs than original estimate
- 3-5 boats racing
- < economic activity: construction, transportation, food & beverage, and hospitality sectors
- *Paying* for 2012 NBC coverage
- City regains control of real estate



## Invasive Species Control

Clean before you come & Clean before you go.

Hull fouling degrades sailing performance, increases fuel consumption, and can damage your systems and equipment. Introduced by visiting boats, invasive species can spread throughout the Bay, where they foul structures, displace native plants and animals, threaten public health, and upset the local ecology. Please make sure invasive marine pests are not part of this event by doing the following:



- Ensure appropriate anti-fouling paint is still within the defined effective period as indicated by the manufacturer. Use multi season anti-fouling protective coatings suitable for San Francisco Bay.
- Clean your trailer and boat, including all underwater surfaces, intakes, and internal seawater systems prior to coming to SF Bay in a location out of the water as close to your departure date as possible, but no longer than one month before you leave. If your boat was not cleaned before coming to San Francisco Bay, DO NOT clean the boat while it is in the water. Instead, haul the boat out of the water to clean.
- When leaving, if the vessel has been docked/moored in the Bay for a month or more, clean your equipment prior to returning to your home marina.
- Do not transport live bait. Properly dispose of residual fishing bait in trash receptacles. Drain all live wells before departure.



# Questions?

Karen McDowell, SFEP, [kmcdowell@waterboards.ca.gov](mailto:kmcdowell@waterboards.ca.gov)



[www.waterboards.ca.gov/sanfranciscobay/water\\_issues/hot\\_topics/AC34/index.shtml](http://www.waterboards.ca.gov/sanfranciscobay/water_issues/hot_topics/AC34/index.shtml)

[www.oewd.org/Development\\_Projects-Americas\\_Cup.aspx](http://www.oewd.org/Development_Projects-Americas_Cup.aspx)