Update on Ship Speed Reduction Trial in Santa Barbara Channel

Board of Directors
Santa Barbara County
Air Pollution Control District

Brian Shafritz
Technology and Environmental Assessment Division Manager
August 21, 2014
Overview

• Proof of concept
• Incentivize reducing speed to 12 knots or less for transits July-October 2014
  • Blue whale season in Channel
  • Ozone season for Santa Barbara County
• Modeled after successful Ports Programs
Trial Program Area
Trial Interest

• Invitation to Participate sent June 6
• Registration closed on 06/30/14
• Strong response from shipping lines:
  • Many inquiries
  • Seven companies registered
  • 88 transits requested
  • 39 transits qualified
    - Previous baseline of 14 knots or more in Channel transits; participate in Ports program
Participating Companies

- K Line
- COSCO
- Hapag-Lloyd
- Maersk Line
- Matson
- United Arab Shipping Company
- Mitsui OSK Lines (MOL)
# July Trial Transit Data

*Preliminary*

<table>
<thead>
<tr>
<th>Shipping Line</th>
<th>Vessel Name</th>
<th>Baseline Speed</th>
<th>VSR Transit Date</th>
<th>Avg. Speed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matson</td>
<td>Mahimahi</td>
<td>18.67</td>
<td>07/11/14</td>
<td>11.79</td>
</tr>
<tr>
<td>K Line</td>
<td>Verrazano Bridge</td>
<td>14.74</td>
<td>7/13/14</td>
<td>7.59</td>
</tr>
<tr>
<td>United Arab Shipping Company (UASC)</td>
<td>Xin DA Yang Zhou</td>
<td>15.81</td>
<td>07/23/14</td>
<td>10.40</td>
</tr>
<tr>
<td>COSCO</td>
<td>Indonesia</td>
<td>14.00</td>
<td>07/25/14</td>
<td>11.45</td>
</tr>
</tbody>
</table>
Trial Program Outreach

• News release issued August 4 with partners
  – Picked up by wire services, regional and national outlets, shipping industry publications
Community Forum

- September 10
  3-5 pm
  Cabrillo Arts Pavilion Center

- Free and open to public
Trial Funding

• Total expected funding: $90,909
• Covers up to 32 transits
• Funding sources:
  • Santa Barbara Foundation
  • Santa Barbara County APCD
  • Ventura County APCD (pending)
Santa Barbara County APCD Funding

- Up to $84,000 in APCD FY 14/15 budget for Vessel Speed Reduction & Old Car Buy-Back
- June 19 Board approved MOA with National Marine Sanctuary Foundation to manage APCD funds for VSR
- $25,000 allocation per initial MOA with Foundation
- Committing additional $15,909 per MOA provision for APCO to amend funding level
Next Steps

• Additional trial transits
• Confirm speeds; notify Marine Sanctuary Foundation of transits that qualify for payment
• Evaluate emissions reductions for trial
• Build on partnerships
• Pursue funding for larger scale program