



**West Coast Collaborative Marine Vessels & Ports Sector
Conference Call Summary**

November 28, 2007; 9AM – 10AM PST

Presentation from Intelligent Energy

Durai Swamy, Intelligent Energy, briefed the workgroup on his company’s development of a fuel sulfur management system. Intelligent Energy is a fuel cell power systems company based in Long Beach, CA. For more information on Intelligent Energy, see their website at <http://www.intelligent-energy.com>.

Highlights from the Presentation

- Intelligent Energy is developing a fuel sulfur management system that will allow ships to filter sulfur from fuel so that they can burn cleaner fuel while in SECA zones and at port.
- The system uses membrane filtration technology to filter the sulfur from the fuel.
- The system could be used with main or auxiliary engine fuel, and the technology is scalable.
- Under the current concept, the system does not generate waste products and fuel can run through the system multiple times.
- Currently, the system only filters sulfur from distillate fuels, but Intelligent Energy is working on system for use with residual fuels.

October Sector Meeting

Grace Cheng, Marine Vessels & Ports (MV&P) Sector Lead, briefed the group on the October Sector Meeting in Long Beach, CA. The Sector held the meeting on October 24, the day before the Bunkerworld Sustainability Conference, which brought together shipping and port representatives to discuss emerging and innovative technologies. There were more than 70 people in attendance at the Sector meeting, a quarter of who were new to the Sector. Tying the Sector meeting to the Bunkerworld conference gave the Sector an opportunity to hear from many new voices.

Major Discussion Points from the Sector Meeting

- A small working group was formed to draft letters of support for United States (U.S.) Annex VI implementing legislation, and on the U.S. proposal to the International Maritime Organization (IMO) to amend Annex VI. More information on the status of these letters follows in the next section.
- Based on the day’s presentations and in-depth discussions, attendees identified areas where the Sector (and Collaborative) could add value over the next year. Information sharing was identified as a key activity of the Collaborative, and the Air Emission Projects Technical Clearinghouse was deemed a vital piece of the exchange. Members of the MV&P Sector are encouraged to submit relevant project results to continue valuable information sharing. Demonstration projects were also identified as important, and Sector members want to know about both successes and failures in order to make informed decisions and advance technologies. More information on the clearinghouse and the submittal form can be found here: <http://westcoastcollaborative.org/tech-clearinghouse.asp>
- Future EPA grant money will be primarily awarded to verified technologies, with approximately 10% of grant funds for emerging technologies. However, the MV&P Sector has few verified technologies associated with it. Peter Murchie, Collaborative Lead, is currently in discussions with EPA headquarters regarding this issue. Grants will be deployment-oriented and cover a host



of options for using verified technologies in new ways, one of which may be advancing verified technologies in the MV&P context.

- The verification question will be further discussed on future MV&P Sector calls. The calls will include representatives from the national verification program to discuss the direction the program is headed and to hear from Sector members about sector-related verification issues. The goal is to foster an open dialogue and identify ways to move forward that best benefits the overall goals of the verification program and the Sector to reduce emissions.

Materials from the October Sector meeting, including the discussion summary and presentation files, are located on the Collaborative website: <http://westcoastcollaborative.org/wkgrp-marine-archive.htm#102407>.

Update on Support Letters for Annex VI Legislation

Dennis McLerran, Puget Sound Clean Air Agency, briefed the group on the status of the letters that were an action item from the October Sector Meeting. A small working group drafted two separate letters, one in support of the U.S. implementing legislation for Annex VI and the other in support of the U.S. proposal to IMO to amend Annex VI. The first letter, supporting implementing legislation for Annex VI, has been finalized and signed by twenty parties. The letter will be sent to U.S. Senator Daniel Inouye, Chairman of U.S. Senate Committee on Commerce, Science and Transportation, where the implementing legislation is currently in subcommittee. Those interested in a copy of this letter should contact Mr. McLerran (DennisM@pscleanair.org). Distribution of the letter in support of the U.S. IMO proposal on amendments to Annex VI has been put on hold while the working group considers strategic options for whom the letter should be addressed to.

EPA Regulatory Updates

Roxanne Johnson, EPA Region 9, updated the group on EPA rulemaking and programs related to marine vessels and ports.

- EPA issued an Advance Notice of Proposed Rulemaking (ANPRM) for Category 3 engines. This ANPRM invites comments on the EPA's plan for stricter emissions standards for all Category 3 engines entering U.S. waters. This rule parallels the U.S. proposed amendments to Annex VI. Interested parties can submit comments to EPA until February 22, 2008 on this rule.
- In April 2007, EPA issued a Direct Final Rule on the timing of the rulemaking for Category 3 engines, but received adverse comments on moving the implementation date from the original proposed date of April 2007 to December 2009. After review of the comments, EPA determined that implementing the proposed rule in December 2009 was the best course of action.
- More information on the above rules can be found on the EPA OTAQ Oceangoing Vessels website at: <http://www.epa.gov/otaq/oceanvessels.htm>
- EPA and the American Association of Port Authorities (AAPA) will soon be launching a joint strategy on sustainable ports. This strategy will organize and focus EPA resources on port sustainability and build upon work and success that have already been occurring. EPA will distribute a fact sheet in the near future with its mission and goals for sustainable ports.

Scheduling 2008 Sector Calls

Sector members discussed the schedule for workgroup calls for 2008. Sector calls in 2008 will be on the first Wednesday of every other month, for one hour. Grace Cheng, Sector Lead, has scheduled the next call for February 6, 2008 from 9AM to 10AM PT. A draft agenda will be distributed to the group prior the meeting.



Recent and Upcoming Conferences and Workshops

Sector-related conferences are posted on the Collaborative's website calendar.

- **December 4, 2007, Goods Movement Challenges - "Protecting Our Competitive Edge," Washington, D.C**
 - For more information and meeting materials, see <http://www.regonline.com/checkin.asp?EventId=165012>
- **December 5-7, 2007, Urban Freight Conference, Long Beach, CA**
 - For information on the meeting, see <http://www.metrotrans.org/nuf/2007/>
- **December 13, 2007, Technology Verification Workshop, Washington D.C.**
 - For information on the meeting, see <http://epa.gov/otaq/retrofit/index.htm>
- **February 25-27, Faster Freight Cleaner Air – California, Los Angeles, CA**
 - For information and registration, see <http://www.ffcacalifornia.com/>
- **March 17-18, 2008, Data for Goods Movement Impacts on Air Quality Workshop, Irvine, CA**
 - For more information and registration, see <http://www.trb.org/conferences/2008/GoodsMovement>
- **July 8-9, 2008, Faster Freight Cleaner Air Conference – East Coast, New York City, NY**
 - For information and registration, see <http://www.ffcacastcoast.com/>
- **September 16-17, Faster Freight Cleaner Air – Puget Sound, Location TBD**
 - This conference is still being finalized.