



**GREAT LAKES AND GREAT RIVERS SECTION
THE SOCIETY OF NAVAL ARCHITECTS AND MARINE ENGINEERS**

**2012-2013
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“Winter Meeting Announcement”

Date: February 13-14, 2013

Location: Hyatt Regency at the Arcade - Downtown Cleveland

420 Superior Avenue

Cleveland, Ohio 44114

Tel: (216) 575-1234 Fax: (216) 575-1690

Web Site: www.cleveland.hyatt.com

Reservations can be made directly with the hotel, using the contact information above.

Reservations can also be made by logging on to www.greatlakeswaterwaysconference.com.

Thanks to our friends who are hosting the Great Lakes Waterways Conference, the very special room rate for this fabulous Hyatt property is the following:

Single/Double Occupancy: \$131.00

Triple Occupancy: \$156.00

Quadruple Occupancy: \$181.00

Government Rate:

Single/Double: \$101.00

Be sure to make your room reservations ASAP – and mention you are attending the Society of Naval Architects meeting to receive the above rates. These rates will be held until January 25, 2013.

Our section has been focusing on natural gas as a marine fuel for the Great Lakes, Great Rivers, and the St. Lawrence Seaway for almost a year now, starting with a two-day symposium in Cleveland last year that was organized as a “tutorial” to introduce LNG and CNG to our members. This year we will again be focusing on natural gas in a two-day format, but with presentations and speakers that address specific issues such as availability, transportation, how natural gas is cleaned and processed as it flows out of the wells, the pipeline structure in the Great Lakes region, liquefaction (large scale and “micro” or small scale for bunkering operations), and similar topics.

Our prospective program outline is as follows with all events being held at the Hyatt Regency at the Arcade in downtown Cleveland:

Wednesday afternoon, February 13, 2013 - (2:00 p.m. - 4:00 p.m.)

Our keynote speakers will be Dr. Jerrold L. Hutton, Director of the Gaseous Fuels Transportation Project at Clean Fuels Ohio, and the retired Dean of the Hocking College’s Energy Institute in Logan, Ohio, along with Mr. Ralph Greenberg, a consultant with 40 years experience in natural gas and cryogenics. Their talk “From Well to Waves” will track the flow of natural gas from the wellhead through the clean up and processing stations, into pipelines or other transportation networks, and finally into either compression or liquefaction facilities as the final step in preparation for its use as a marine fuel.



**2011-2012
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“Winter Meeting Announcement”

Wednesday afternoon, February 13, 2013 (continued)

This presentation will address the removal and disposition of the impurities and components (other than methane) found in natural gas as it comes out of the ground, such as water, ethane, heptane, butane, and propane, all of which can affect the performance of natural gas as a suitable fuel for marine power plants. Dr. Hutton's and Mr. Greenberg's talk will also focus on compression and liquefaction, infrastructure, and other issues which affect the cost of developing a reliable infrastructure to ultimately support bunkering operations in the Great Lakes region.

Wednesday evening, February 13, 2013

SNAME reception at the Hyatt Regency at the Arcade (6:00 p.m. - 8:00 p.m.)

Thursday morning, February 14, 2013

Registration and SNAME sponsored continental breakfast (7:30 a.m. - 8:15 a.m.)
Business Meeting (8:15 a.m. - 8:30 a.m.)

Presentations (8:30 a.m. - 12:30 p.m.)

Dr. Mike Parsons, retired professor emeritus of Naval Architecture and Marine Engineering at the University of Michigan, will present the final part of his study to convert the Great Lakes steamships (there are 10 of them) to LNG. “The Potential Conversion of the U.S. Great Lakes Steam Bulk Carriers to LNG Propulsion - Final Report” by Michael G. Parsons, Patrick J. O'Hern, Richard W. Harkins and Samuel J. Denomy.

Mr. Michael McKlean, Director of New Business Development for Trans-Canada Pipeline Company, will present a talk on the pipeline system in the Great Lakes region (US and Canada), the present and future availability of natural gas in the region, the location of the major gas fields, flow capabilities through the lines, and processing of the gas before it enters the pipelines.

A speaker (yet to be confirmed) from GE will make a presentation on a joint venture between GE and Chesapeake Energy to build portable “micro” LNG stations that will provide LNG on a small scale to areas that do not have access to major liquefaction facilities. This concept is intriguing in that it could jump start an LNG bunkering operation in the Great Lakes or on the St. Lawrence Seaway by providing several bunkering points in strategic locations without the large investment of a major liquefaction plant.

Thursday afternoon, February 14, 2013

A buffet lunch will be provided, with a luncheon address by Peter Noble, President of SNAME (12:30 p.m. - 1:30 p.m.)

A visit to a CNG/LNG fueling station south of Cleveland will be offered to those attendees who are interested in seeing such a facility (2:00 p.m. - 5:00 p.m.)

Registration includes the Wednesday reception, Thursday continental breakfast, coffee breaks and buffet lunch. Please fill out the form below and mail with your registration.

Early Registration - Members: \$75.00, Non-members \$90.00

Late Registration - (after February 8th) Members: \$85.00, Non-members: \$100.00

Students & Retired Members - \$25.00 (Students: Financial support is available!)

Guests - \$25.00 (a prospective new member, a member's spouse or significant other)

Please make check payable to SNAME and mail to Bob Hurrell (see address below)

<u>MEMBER</u>	<u>MEMBER'S GUEST</u>	<u>NON-MEMBER</u>	<u>STUDENT</u>
No. Attending: _____		_____	_____
		Total funds enclosed:	_____
Member Name: _____			
Email address: _____		Company: _____	
Member's Guest Name: _____			
Non-Member Name: _____		Email address: _____	
Company: _____			
Mailing Address: _____			
Student Name: _____		Email address: _____	
School: _____			

SPONSORS: *We can always use additional corporate sponsors for our meetings, so please let any member of the Executive Committee know if you would like to help sponsor this gathering of the SNAME Section; or send an e-mail to RHurrell@QBMUSA.com.*

NOTE: SNAME GL/GR would like to continue to send out future announcements via email. Please ensure your email address is included for future announcements.

Mail completed form to: **Bob Hurrell**
QBM Ohio, Inc.
32861 Pin Oak Parkway - Suite C
Avon Lake, Ohio 44012-3502

Or send via FAX to: **(440) 933-4897**

Or send via e-mail to: RHurrell@QBMUSA.com