



# Great Lakes Maritime Research Institute

A University of Wisconsin - Superior and  
University of Minnesota Duluth Consortium

## Quarterly Update (April - June 2012)

# July 2012

Co-Directors:  
Richard D. Stewart  
James P. Riehl

### Mark Your Calendars!

2012 Mid-Continent  
Transportation Research  
Forum  
Madison, WI  
Sep 6-7, 2012  
[www.wistrans.org/mrutc/  
events/2012-midcon/](http://www.wistrans.org/mrutc/events/2012-midcon/)

The Netherlands: Gateway  
to the Great Lakes  
Conference sponsored by  
John Carroll University  
Cleveland, OH  
Sep 10, 2012  
[www.jcu.edu](http://www.jcu.edu)

Ohio Freight Conference  
Sandusky, Ohio  
Sep 13-14, 2012  
[www.ohiofreight.org](http://www.ohiofreight.org)

GLMRI Fall Meetings  
Duluth, MN  
September 27-28, 2012  
[www.glmri.org](http://www.glmri.org)

Check out the LNG  
information on the web:  
[www.glmri.org/research/](http://www.glmri.org/research/)  
We have links to reports,  
articles, presentations,  
YouTube videos and more  
to help centralize  
information on LNG.

### GLMRI HOSTS MEETING TO CONNECT NATURAL GAS PROVIDERS WITH POTENTIAL USERS

On Tuesday, June 19, 2012, GLMRI hosted a meeting at the University of Wisconsin-Superior (UW-S) to bring together potential LNG fuel users from the mining, agricultural, trucking, rail and maritime sectors to determine if there is sufficient base load demand in a 200 mile region to warrant development of an LNG fuel transport, storage and distribution network centered in the Twin Ports of Duluth/Superior. The meeting will put current LNG users and solution providers together with businesses facing fuel cost and emissions challenges.

The Duluth Seaway Port Authority co-sponsored the event and assisted with contacting key industry focal points for engaging the discussion.

UW-S Chancellor Renee Wachter welcomed the participants, and Dr. Stewart provided an overview for the discussions, bringing in the consideration for rail, trucking and mining.

Mr. Bob Kamb, the Managing Partner with Mystic River Partners out of Boston, Massachusetts along with being a licensed mariner, moderated a panel of gas company, pipeline and equipment representatives. Mr. Kamb helped coordinate the slate of speakers for the event.

Mr. Kevin Markey, the Director of Natural Gas Fueling Solutions with GP Strategies out of Dallas was key in reaching out to the local and regional industry participants. Mr. Markey provided the thoughts on what goes in to the decision making considerations on designing and utilization of the fueling process from his involvement with the design of the LNG KWIK Trip station at La Crosse, Wisconsin.

Other speakers included: Mr. Todd Sondag, with Allstate Peterbilt Group presented on the new Peterbilt trucks that use LNG; Mr. Jeff Resch, with Dart Transit Company discussed how Dart is using natural gas; Mr. Joe Hoyt, the Director for Fuels at Pivotal, LNG/AGL Resources out of Atlanta, Georgia presented on the supply access for gas; Mr. Alex Quintero from the Altronic, LLC, presented on their Bi-Fuel Systems for dual fuel options; Mr. Mike McLean, the manager for Business Development at TransCanada Pipeline and Great Lakes Gas Transmission provided an overview of their pipeline access.

The meeting was attended by federal, state, and local representatives including elected officials, mining, shipping, trucking, construction, resort/water park owners and energy providers from industry, regional economic development agencies and academia.

All of the presentations from the June meeting are posted at  
[www.glmri.org/research/](http://www.glmri.org/research/)

## A View From the Deck

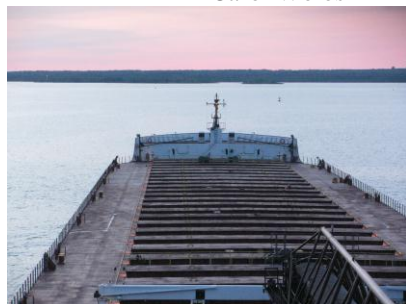
In May, I was provided the opportunity to spend a week on the M/V James R. Barker. I boarded the boat at the dock in Silver Bay, MN on Saturday evening, May 12<sup>th</sup> as she was loading with taconite pellets. We departed early Sunday morning in time to see the sun rise over Lake Superior. Captain Bob Thibaudeau and 1<sup>st</sup> Mate Steve Hughes gave me a tour of the boat and allowed me to venture on my own for the week's trip.

During the week, I was able to talk with the crew about their specific jobs and careers. I spent a good bit of the time in the pilot house learning about the operations and navigational systems, along with their support of reporting weather observations back to NOAA.

The real eye opener to me was transiting the St. Mary's River and the Soo Locks. Although it was amazing to see how the Captain and crew navigated the lock, it was even more heart racing to observe the navigation of the river channels. I was unaware of the Rock Cut Pass, and the vulnerability of the access to it. It appeared to me that at any given time, sections could break away and fall into the channel. Beyond the shipping lane, it appeared that the river was incredibly shallow, especially considering the breadth of the *Barker*.

I greatly thank Interlake Steamship Co for providing this opportunity, and to the Captain and crew for spending time with me to better understand shipping on the Great Lakes.

Carol Wolosz



## Key Outreach, Events, Presentation, Meetings

- Ms. Wolosz attended the Green Bay Port Symposium. Green Bay, WI. 2 Apr.
- Ms. Wolosz attended the Ship Operations Cooperative Program meeting, and presented an update on the Maritime Primary and Secondary Education Coalition initiatives, the GLMRI plans for the K-12 Maritime Teachers Workshop, and the GLMRI study initiatives for the Liquefied Natural Gas Study. Dania Beach, FL. 11-12 Apr.
- Dr. Stewart and Ms. Wolosz had a teleconference with GLMRI consultant Randy Helland and USCG staff members to discuss regulatory issues impacting the use of LNG in US marine vessels. 17 Apr.
- Dr. Stewart presented an overview of LNG at the Institute of Supply Chain Management. Duluth, MN. 19 Apr.
- Dr. Stewart presented at the Duluth Superior Propeller Club luncheon "LNG for Marine Vessels". Superior, WI. 20 Apr.
- Dr. Stewart and Dr. Riehl met with former Congressman James L. Oberstar, and provided an update on GLMRI projects. Duluth, MN. 27 Apr.
- Dr. Stewart presented on LNG for Marine Vessels at Council of Supply Chain Managers NE Wisconsin Roundtable. Green Bay, WI. 1 May.
- Dr. Stewart presented on LNG for Marine Vessels and the *M/V Gott* re-engining project at the Minnesota Air Emissions Conference. Duluth, MN. 2 May.
- Ms. Wolosz traveled from Silver Bay, MN to Ashtabula, OH, and back to Duluth, MN with the *M/V James R. Barker*. 12-18 May.
- Dr. Stewart, Ms. Wolosz and Ms. Hartwick participated in the Duluth/Superior service for Maritime Day. Duluth, MN. 22 May.
- Dr. Stewart and Ms. Wolosz attended the Duluth/Superior Harbor Technical Advisory Committee Meeting. Ms. Libby Ogard, Prime Focus, LLC, presented on the results of the NCFRP-35 study, "The Multimodal Freight Transportation System within the Great Lakes-Saint Lawrence Basin". Duluth, MN. 6 Jun.
- Ms. Wolosz along with members of the Duluth Seaway Port Authority met with the superintendent, faculty and cadets of the Great Lakes Maritime Academy on The *T/S State of Michigan* during their annual visit to the Duluth Harbor as part of their summer training voyage. Duluth, MN. 12 Jun.
- GLMRI sponsored/coordinated a meeting of natural gas providers and current users, with regional potential users. Superior, WI. 19 Jun.
- Dr. Stewart presented at the summer meeting for the Council of University Transportation Centers. Houghton, MI. 22 Jun.
- Dr. Stewart and Ms. Wolosz met with MARAD officials, USCG, SLSDC and the American Great Lakes Ports Association Executive Director. Washington, D.C. 24-25 Jun.
- Dr. Zamira Simkins and Dr. Stewart presented at the Summer Transportation Research Board meeting, on "Measuring a Port's Performance Using the Economic Value of Commodities". Washington, D.C. 27 Jun.

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