

LNG Study Phase II

Meetings, Presentations and Reports

November 2012 – March 2014

- Ms. Wolosz attended the HWY H₂O conference and met with the Education Working Group, in Toronto, Canada. 14-15 Nov.
- Dr. Stewart was a guest presenter at a University of Minnesota Duluth's Engineering class, discussing shipping and logistics. Duluth, MN. 16 Nov.
- Ms. Wolosz attended the Quarterly Duluth/Superior Harbor Technical Advisory Committee (HTAC). Duluth, MN. 5 Dec.
- Dr. Stewart presented at the University of Minnesota's Center for Transportation Studies at the 16th Annual Freight and Logistics Symposium on LNG as a Fuel. Minneapolis, MN. 7 Dec.
- Dr. Stewart and Ms. Wolosz met with the Executive Director of the American Great Lakes Ports Association. Washington, D.C. 13 Jan.
- GLMRI staff and researchers participated in the 2013 Transportation Research Board. Dr. Stewart presented GLMRI updates at the Marine Environmental and the Ports & Channels Committees. Dr. Zamira Simkins from the University of WI-Superior presented: Measuring a Port's Performance Using the Economic Value of Commodities. Ms. Wolosz received a membership appointment to the Ports & Channels Cmt. Washington, D.C. 13-16 Jan.
- Dr. Stewart and Ms. Wolosz met with MARAD personnel (Deputy Administrator Jaenichen, Mr. McMahan, Mr. Carter and Mr. Yuska) to discuss the LNG study. They also met with USCG representatives and with the St. Lawrence Seaway Development Corporation Acting Administrator and staff to discuss on-going studies. Washington, D.C. 15 Jan.
- Dr. Stewart attended the Marine Club meetings in Toronto, Canada hosted by the American Great Lakes Ports Association. Toronto, ON. 17-19 Jan.
- Ms. Wolosz met with Mr. Mittlefehldt, from the Northeast Minnesota Clean Energy Resource Team to discuss possible assistance for an energy-related project for the Duluth area. Duluth, MN. 31 Jan.
- Ms. Wolosz met with Mr. Jeff Anderson representing ECOAFS to discuss potential pilot maritime conversion projects. Hinckley, MN. 1 Feb.
- Ms. Wolosz met with the newly appointed commissioner for the SLSDC, Dr./Captain Art Sulzer, to provide him an update of GLMRI research projects, including the LNG Study. Cleveland, OH. 11 Feb.
- Great Lakes Waterways Conference and SNAME Section Winter meeting. Cleveland, OH. 12-15 Feb.
- Ms. Wolosz participated in the Spring Ship Operations Cooperative Program meeting held at the STAR Center. Dania Beach, FL. 20-21 Feb.
- Dr. Stewart was a speaker at the LNG Fuel Forum North America. Miami, FL. 27-28 Feb.
- Ms. Wolosz attended the Inland Waterways Conference. Louisville, KY. 5-7 Mar.
- Oberstar Transportation Forum at University of Minnesota Duluth. 13 Mar.

- Dr. Lindquist (University of Toledo) and Ms. Wolosz participated in the HWY H₂O Advisory Council Teleconference. 18 Mar.
- Dr. Stewart participated in a planning meeting with the Council of Great Lakes Governors. Chicago, IL. 21 Mar.
- Ms. Libby Ogard attended the Green Bay Port Symposium. Green Bay, WI. 28 Mar.
- Ms. Wolosz was invited to participate in the White House Office of Engagement and Department of Transportation's Forum on Women in Transportation. Washington, D.C. 4 Apr.
- Ms. Wolosz presented an overview of GLMRI and the LNG Study at the Rotary Club meeting. Superior, WI. 9 Apr.
- Ms. Wolosz presented and assisted with coordinating the K-12 Maritime Education Symposium held at The Maritime Academy of Toledo. Toledo, OH. 25-27 Apr.
- Dr. Stewart and Ms. Wolosz met with Acting Administrator Craig Middlebrook of the St. Lawrence Seaway Development Corporation (SLSDC), along with Mr. Eric Norberg, President of ALLETE Clean Energy, Mr. David McMillan, Vice President of ALLETE Clean Energy and SLSDC board member, Mr. Adolph Ojard, Executive Director of the Duluth Seaway Port Authority and Mr. Dale Bergeron from Minnesota Sea Grant and discussed the LNG project and the pending LNG Liquefaction Plant Siting meeting. Duluth, MN. 7 May.
- Ms. Wolosz coordinated a tour of the Great Ships Initiative's Ballast Water Treatment Testing Facility for Mr. Robert Dorn and Mr. Jayson Toth from Interlake-Steamship Company. Superior, WI. 9 May.
- LNG: Siting a Twin Ports Liquefaction Plant meeting. Superior, WI. 21 May.
- Dr. Stewart participated in the EPA's Great Lakes Advisory Board teleconference. 20-21 May.
- Dr. Stewart and Ms. Wolosz attended the Duluth/Superior Maritime Day program, featuring Mr. Steve Fisher, Executive Director of the American Great Lakes Ports Association as the guest speaker. Duluth, MN. 22 May.
- Dr. Stewart and Ms. Wolosz met with Mr. Steve Fisher to provide an update on the LNG project and a summary of the meeting. Information was also exchanged to support the industry outreach programs and assist with tutorial information on LNG. Superior, WI. 23 May.
- Dr. Stewart presented at Oceans Week. Washington, D.C. 4-6 Jun.
- Ms. Wolosz attended the Harbor Technical Advisory Committee meeting. Duluth, MN. 5 Jun.
- Ms. Wolosz along with members of the Duluth Seaway Port Authority met and boarded the T/S State of Michigan while it was docked in Duluth Harbor on its summer training voyage. Duluth, MN. 11 Jun.
- Dr. Stewart, Ms. Wolosz, Dr. Mokashi and Ms. Roemhildt participated in a meeting to discuss siting a natural gas liquefaction plant in the Twin Ports. Superior, WI. 13 Jun.
- Ms. Wolosz met with Captain Helland, USCG (ret), to discuss the research progress on the LNG project. Duluth, MN. 24 Jun.
- Dr. Stewart provided a presentation on Maritime LNG use at the American Association of Port Authorities summer meeting. Chicago, IL. 26-28 Jun.

- Dr. Stewart, Ms. Wolosz, Dr. Mokashi, and Ms. Roemhildt met with Twin Ports' economic development agencies and other interested parties in the working group to continue the discussions on siting a liquefaction plant in the Twin Ports. Superior, WI. 9 Jul.
- Dr. Stewart and Ms. Wolosz met with Mr. Fisher, Executive Director of the American Great Lakes Ports Association, to discuss the LNG meeting from May, and the progress in moving forward. Washington, D.C. 21 Jul.
- Dr. Stewart and Ms. Wolosz met with USCG personnel in Washington: Mr. Ken Smith, Mr. Mark Prescott, Mr. Tim Myers, Commander Rob Smith, and Commander Ryan Allain to discuss GLMRI on-going projects. Washington, D.C. 22 Jul.
- Dr. Stewart and Ms. Wolosz met with Mr. Carter, Mr. Quinn, and Administrator Jaenichen at MARAD. GLMRI provided an update to MARAD on GLMRI on-going projects. Washington, D.C. 22 Jul.
- Dr. Stewart and Ms. Wolosz met with Mr. Gary Magnuson, the NOAA representative to the Committee on Marine Transportation's (CMTS) Coordinating Committee. Washington, D.C. 22 Jul.
- Dr. Stewart, Ms. Wolosz, Dr. Mokashi, and Ms. Roemhildt met with Twin Ports economic development agencies continuing to pursue siting options for a liquefaction plant. Superior, WI. 13 Aug.
- Ms. Wolosz and Dr. Mokashi attended a symposium on the use of propane in the Duluth/Superior area and met with the speakers. Ms. Wolosz is pursuing the information and curriculum that is being developed for First Responder Training. 13 Aug.
- Dr. Stewart boarded the *M/V Roger Blough* from Duluth, MN to Conneaut, OH and return. 20-26 Aug.
- Ms. Wolosz attended the Harbor Technical Advisory Committee meeting. Superior, WI. 4 Sep.
- Chicago meetings. 17-20 Sep.
- Dr. Stewart met with the St. Lawrence Seaway Development Corporation's new Administrator Betty Sutton and Deputy Administrator Craig Middlebrook during a roundtable discussion held by the Duluth Seaway Port Authority. Duluth, MN. 18 Sep.
- Ms. Wolosz attended the Great Lakes Maritime Academy's Board of Visitors meetings. Traverse City, MI. 22-23 Oct.
- Dr. Stewart attended the AST&L and Yangtze/Mississippi River Conference. Chicago, IL. 27-29 Oct.
- Ms. Wolosz met with the new administrator of the St. Lawrence Seaway Development Corporation, Ms. Betty Sutton and her staff. Washington, D.C. 5 Nov.
- Ms. Wolosz participated in the USCG facilitated discussion with deep-draft vessel owners/operators, where one of the major discussions was on LNG as a maritime fuel. Linthicum, MD. 5 Nov.
- Ms. Wolosz participated in the Ship Operations Cooperative Program meetings. Linthicum, MD. 6-7 Nov.
- Ms. Wolosz met with Mr. Carter and Mr. Yuska to discuss the LNG project and other GLMRI project updates. Linthicum, MD. 6 Nov.
- Dr. Stewart presented about LNG at the Highway H₂O Conference. Toronto, ON. 13-14 Nov.

- Ms. Wolosz met with Rolls Royce representatives Mike Hitt and Jeff Tilbury to discuss on-gong LNG project activities. Duluth, MN. 14 Nov.
- Dr. Stewart participated as a member in the public meetings of the Great Lakes Advisory Board to the EPA. The Report of the Great Lakes Advisory Board with recommendations for the next Action Plan for implementing the Great Lakes Restoration Initiative was completed on December 2013. The report can be accessed at: www.glri.us/pdfs/glab-report-20131223.pdf
- Dr. Stewart and Ms. Wolosz met with the St. Lawrence Seaway Development Corporation's Administrator Betty Sutton, Deputy Administrator Craig Middlebrook, Budget Director Kevin O'Malley and Government Relations Director Nancy Alcalde to provide updates on GLMRI studies and education projects. They also met with USCG personnel to discuss the progress of maritime regulations and policies to incorporate LNG and provide updates on the GLMRI LNG research and educational venues. Washington, D.C. 13 Jan.
- At MARAD, Dr. Stewart and Ms. Wolosz met with Mr. Yuska to discuss potential research projects, along with the continuing work to develop the LNG supply chain to support shipping in the Great Lakes. They also participated in the MARAD National Maritime Strategy Symposium. Dr. Stewart presented an input on developing support for a long term research focus for MARAD. After the symposium, Ms. Wolosz met with MARAD representatives to discuss on-going research and educations projects for GLMRI Washington, D.C. 14-16 Jan.
- Dr. Stewart participated in the American Great Lake Ports Annual Winter meeting and also participated as an advisory board member to the Green Marine program meeting. Toronto, ON. 16-17 Jan.
- Ms. Wolosz participated in the Passenger Vessel Association meeting. Cleveland, OH. 4 Feb.
- Ms. Wolosz attended the Great Lakes executive meeting. Cleveland, OH. 4 Feb.
- Dr. Stewart and Ms. Wolosz participated and presented at the Great Lakes Waterways Conference. Cleveland, OH. 4-5 Feb.
- Ms. Wolosz participated in the Society of Naval Architects and Marine Engineers Great Lakes and Great Rivers Section meeting. Cleveland, OH. 5-6 Feb.
- Dr. Stewart discussed maritime topics in education at the C-FIRE conference. Gulfport, MS. 25-27 Feb.
- Ms. Wolosz set up a ship tour for Mechanical and Industrial Engineering students of the *S.S. Callaway*. 27 Feb.
- Dr. Stewart and Ms. Wolosz met with a group of economic and natural gas developers evaluating siting a liquefaction plant in the Twin Ports. 3 Mar.
- Dr. Stewart provided a presentation to the UMD Engineering Club students on transportation and supply chain logistics. Duluth, MN. 6 Mar.
- Dr. Stewart met with Lake Carriers Association, U.S. Army Corps of Engineers and consultants to discuss updates to the Soo Locks study. Detroit, MI. 11-12 Mar.