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- NGV Alliance
- SGMF
# TABLE OF CONTENTS

<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Welcome Letters</td>
<td>5</td>
</tr>
<tr>
<td>Planning Committee</td>
<td>13</td>
</tr>
<tr>
<td>Lakeside Center Map</td>
<td>14</td>
</tr>
<tr>
<td>Trade Show Information</td>
<td>17</td>
</tr>
<tr>
<td>Heavy-Duty Equipment Displays</td>
<td>21</td>
</tr>
<tr>
<td>Caterpillar Natural Gas Engine Facilities Tours</td>
<td>23</td>
</tr>
<tr>
<td>Agenda—Day 1</td>
<td>25</td>
</tr>
<tr>
<td>Agenda—Day 2</td>
<td>29</td>
</tr>
<tr>
<td>Agenda—Day 3</td>
<td>33</td>
</tr>
<tr>
<td>Keynote &amp; Featured Speakers</td>
<td>36</td>
</tr>
<tr>
<td>Speaker Biographies</td>
<td>45</td>
</tr>
<tr>
<td>Partners, Sponsors &amp; Exhibitors</td>
<td>62</td>
</tr>
</tbody>
</table>
THE MOVE TO NATURAL GAS
Lower Operating Costs, Proven Performance

Caterpillar natural gas-powered engines
Mining • Petroleum • Rail • Marine • Electric Power
Dear Conference Participants,

Caterpillar extends a warm welcome to the High Horsepower Summit attendees in our home state of Illinois at this second gathering of industry experts and innovators to discuss the world’s growing demand for natural gas applications.

While there are many challenges in the current environment, I think conference attendees would agree that there is tremendous potential ahead for those participating in the move to natural gas. Not only does the world need what we are delivering—driven by worldwide population growth, developing economies, improving global living standards and use of more energy-dependent technologies—our customers are asking for natural gas options for their operations because they see significant life cycle cost savings because natural gas is abundant, low cost and clean.

Caterpillar has been manufacturing natural gas powered engines and generator sets since 1947 ... and we’ve greatly expanded our product and service offerings since then. However, we’re stepping up our game to deliver in this golden age of natural gas.

While you are in our “backyard,” we hope that some of you will have the opportunity to participate in the tours of our locomotive engine facility or large engine plant that are nearby. You will see our investment in this industry and I hope recognize that at Caterpillar, we’re “all in” for natural gas and look forward to participating in the information sharing at the HHP Summit so we can continue to power the future.

Sincerely,

Jim Umpleby
Group President, Energy & Power Systems
Caterpillar Inc.
We’ve got your bases covered.

With Encana’s Total Fueling Experience you get:

- EXPERIENCE and EXPERTISE in high horsepower fueling
- CUSTOM SOLUTIONS for your business operations
- SIMPLIFY your transition by PARTNERING with us — the strategic answer to fuel optimization

Slide into home at **Booth 313** to see what Encana Natural Gas Inc.’s Total Fueling Experience is all about. Join the lineup to play in our Home Run Contest with a chance to win **prizes**! Contact us at fuelingsolutions@encana.com or 866.251.0032.
Welcome from Encana

Dear Summit participants,

Welcome to the 2013 High Horsepower (HHP) Summit, a showcase for natural gas fuel. We have been talking about the transformation of North America’s energy portfolio for years, but it is no longer a futuristic thought, it is happening today. The HHP Summit reflects the reality that natural gas is a low cost fuel, capable of powering some of the biggest engines and high horsepower applications that exist.

The state-of-the-art technology presented this week demonstrates the progressive thinking of major industry leaders. You are the reason the market is thriving with opportunity.

By utilizing domestically produced, abundant natural gas, companies can realize significant cost savings and environmental benefits. Encana has been realizing those benefits since 2006 and in fact, last year saved nearly $16,000,000 by using natural gas in our operations.

We want others to reap the same benefits, which is why Encana Natural Gas Inc., a subsidiary of Encana Corporation, is partnering with companies to provide a total fueling experience that can simplify your transition to natural gas. Our custom fueling solutions are designed for high horsepower applications in rail, mining, marine, on-road transportation and oil and gas drilling rigs or pressure pumping services.

To be among this impressive gathering of industry leaders focused on the adoption of natural gas is extraordinary. The growth of attendance for this second annual HHP summit is indicative of the excitement in the market. We are making a strategic shift in North America’s energy portfolio by revolutionizing high horsepower applications with natural gas. I look forward to the exciting ideas and solutions that will be revealed this week.

Enjoy the conference,

Matt Most
Vice-President
Encana Natural Gas Inc.
THE EXPERTISE YOU WANT. 
THE FLEXIBILITY YOU NEED.

Backed by more than four decades of experience in LNG production, delivery and transportation, Pivotal LNG is the right LNG partner for you – for today and tomorrow. Whether you are considering LNG applications for the first time or extensively deploying LNG technology already, we can design a flexible and cost-effective LNG solution that meets your needs and grows with you as your company’s fueling demands evolve.

Pivotal LNG™
An AGL Resources Company

PivotalLNG.com | Natural gas experts redefining the future of fuel
WELCOME

On behalf of Pivotal LNG, I’m pleased to welcome you to the HHP Summit. This is an exciting time to be in the natural gas industry as our sector is the convergence of innovation, technology and sustainability. Pivotal LNG is proud to be redefining the future of fuel with more than four decades of experience in liquefied natural gas production, delivery and transportation.

We are at the forefront of bringing abundant, American and affordable LNG to companies and industries across the country and are excited to convene industry leaders and technology experts to share and discuss the many new uses for LNG that will fuel our economy now and into the future.

Natural gas is a safe, reliable energy source for more than 177 million Americans and touches nearly every segment of American life. With the widening spread between natural gas and liquid-based petroleum fuels, LNG is growing increasingly popular and being used in a variety of functions, including transportation, power generation, drilling and other high horsepower applications. Additionally, increasing environmental restrictions on air emissions make LNG a wise and stable investment as it produces lower emissions than petroleum-based fossil fuels and, in many applications, already meets strict emission levels.

As we’ll learn during this Summit, the use of LNG as a substitute fuel is increasing rapidly as new technologies and applications emerge. The unprecedented growth in domestic supply of natural gas and the resulting economic advantage continue to drive innovation and we are seeing the results firsthand. Our LNG business has increased rapidly since the 2012 Summit and we anticipate continued rising demand for our product for years to come!

Pivotal LNG is committed to expanding the availability of LNG as an alternative fuel and believes events such as this present an invaluable opportunity to learn, share and collectively move us toward a more secure and environmentally responsible energy future.

Sincerely,

Steve Cittadine
President
Introducing GE’s Waukesha* VHP* L7044GSI-EPA, an EPA mobile-certified, multi-fuel engine that’s setting the new standard for reliable, efficient drill rig power generation. Using rich-burn technology to deliver up to 95% lower emissions and 80% less fuel costs than diesel with similar transient load response, this engine represents a game-changing solution for the drilling industry. Learn more at ge-waukesha.com.

Moving the industry in a new direction

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Visit us in Booth 913
As the worldwide leader in liquefied natural gas (LNG) equipment for the transportation and energy industries, we apply our 40+ years of experience to efficiently address the entire LNG Value Chain – liquefaction, distribution, storage and end-use.

Learn how to facilitate the use of a cost-effective, clean-burning, safe fuel alternative to diesel at www.ChartLNG.com.
The end-user planning committee was comprised of early adopters of natural gas technologies across multiple high horsepower applications, including marine, mining, drilling, pressure pumping, and rail. The input from this progressive group of individuals was key in helping develop the program, including shaping panel ideas and providing speaker suggestions, to ensure it covered the most relevant topics for end-users.

HHP Summit organizers wish to thank the committee members for the generosity of their time, creativity, resources, and contacts:

- Sean Parker, Project Manager, Bi-Fuel Technologies, Baker Hughes [Pressure Pumping]
- Brian Murphy, Engineering Manager, Ensign United States Drilling [Drilling]
- Ben Christian, Project Manager, TOTE Shipholdings [Marine]
- Chad Verret, Vice President of Deepwater Development, Harvey Gulf [Marine]
- Shane Durgin, Assistant General Manager and Vice President, Alpha Natural Resources/Alpha Coal West [Mining]
- Mike Swaney, Director of Operations Support, BNSF Railway [Rail]
Every™ Dollar Saved.

Cummins Dual Fuel Engines.

When you’re the industry’s leader in diesel engines – and the industry’s leader in natural gas engines – leadership in dual fuel technology comes naturally. Cummins Dual Fuel engines use a small amount of diesel fuel to initiate combustion, igniting the natural gas for clean, powerful performance with no spark plugs or ignition system. These engines burn 50 percent to 70 percent natural gas, which lets you take advantage of dramatic cost savings. To learn more about Cummins Dual Fuel engines, visit cumminsengines.com.
Discover firsthand the technologies, equipment, and fuel solutions that can result in cleaner-running, more efficient high horsepower operations with the same great performance and durability. Join us for networking, drinks, and hors d’oeuvres at the Trade Show Grand Opening Reception on Tuesday and the evening reception on Wednesday.

TRADE SHOW SCHEDULE

<table>
<thead>
<tr>
<th>Times</th>
<th>Events</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday September 17</td>
<td>Trade Show Grand Opening Reception, sponsored by Chart Industries</td>
</tr>
<tr>
<td>5:00 p.m. - 7:00 p.m.</td>
<td>Breakfast in the Trade Show Hall</td>
</tr>
<tr>
<td>7:30 a.m. - 8:30 a.m.</td>
<td>Networking Break in the Trade Show Hall</td>
</tr>
<tr>
<td>10:45 a.m. - 12 noon</td>
<td>Evening Reception in the Trade Show Hall, sponsored by GE</td>
</tr>
<tr>
<td>5:00 p.m. - 7:00 p.m.</td>
<td>Breakfast in the Trade Show Hall</td>
</tr>
<tr>
<td>Wednesday September 18</td>
<td>Trade Show Open</td>
</tr>
<tr>
<td>Thursday September 19</td>
<td></td>
</tr>
<tr>
<td>7:30 a.m. - 8:30 a.m.</td>
<td></td>
</tr>
<tr>
<td>8:30 a.m. - 12:30 p.m.</td>
<td></td>
</tr>
</tbody>
</table>
At no time in the history of our industry has natural gas been poised to play a more important role in the global energy picture. The ‘natural gas revolution’ is the most significant energy development in decades.

The benefits of natural gas in meeting our future energy needs are well-documented:

- Its supply is abundant and diverse, which means greater energy security
- Natural Gas is a clean-burning alternative to traditional fuels such as diesel
- Natural Gas is extremely flexible. It can be converted to liquid fuels, transported easily, and used to make other products

Technological innovation continues to differentiate Shell from its competition and today Shell is the leading IOC in LNG, FLNG and GTL. The company is developing innovative integrated applications, such as gas-to-chemicals and LNG for transport. The integrated gas value chain has grown into a key business for Shell. We have an excellent track-record in project management, technology, innovation and partnerships.

In addition, we have global reach into the supply chain and customer base, and of course unrivalled economies of scale by full integration, giving us distinct industry advantages.

Shell is proud to be a Principal Sponsor of HHP Summit 2013. We invite you to come and visit us at Shell exhibition booth number 223.

- Find out why Shell is an LNG leader
- Learn about efforts by Shell to develop a LNG Supply Network in North America for the off-road transportation sector
- Please visit our stand and talk to our team about developments in LNG for transportation and what Shell is doing to lead the way
- Learn about LNG heavy-duty engine testing being conducted at the Shell Center of Excellence Testing Facility
The benefits of natural gas in meeting our future energy needs are well-documented: Its supply is abundant and diverse, which means greater energy security at no time in the history of our industry. The ‘natural gas revolution’ is well under way, and what Shell is doing to lead the way is the most significant energy development in decades.

Shell is the leading IOC in LNG, FLNG and LNG Supply Network in North America for the Integrated applications, such as gas-to-transportation. We have an excellent track-record in gas value chain has grown into a key business for Shell. We have global reach into the different segments of the value chain.
According to industry statistics and Westport analysis, global heavy off-road applications use more than 24 billion gallons of diesel each year, creating an attractive opportunity for significant cost savings and reduced emissions by using natural gas. Westport and Caterpillar are collaboratively developing large mine trucks (LMTs) to operate on liquefied natural gas (LNG) geared to provide increased savings for mine operators around the globe. Westport also offers a LNG Tender for the rail sector. The increasingly stringent emission regulations in the marine sector and the need to reduce operating costs in the exploration and production sector (E&P) create a strong pull for natural gas in these industries.
Enjoy an up-close look at heavy-duty natural gas-powered engines and equipment on display at HHP Summit.

**3512C Engine Generator with Dynamic Gas Blending Technology – Caterpillar**

**Self-Contained Natural Gas Fired Regasification Trailer – INOXCVA**

**Transport Trailer WesMor Cryogenic**

**Orca 6200 Trailer Chart Industries**

**TITAN™ CNG Module Hexagon Lincoln**

**QSK50 with Dual-Fuel Technology Cummins**

**VHP L7044GSI-EPA Natural Gas Engine GE Waukesha**

**LNG Cryogenic Transport Trailer Applied Cryo Technologies / Dragon Products**
Equipment and expertise for Natural Gas Vehicle Refuelling Stations and Small Scale Liquefaction, LNG Ship Bunkering, Peak Shaving, ...

Visit us at

Natural Gas for High Horsepower Applications

September 17-19, 2013
McCormick Place Lakeside Center
Chicago, Illinois
Booth 719

Expert in advanced technologies for Industrial Gas, Clean Energy, LNG and Hydrocarbon applications

www.cryostar.com
CAT NATURAL GAS ENGINE FACILITIES TOURS

Presenting Sponsor Caterpillar—the world’s largest manufacturer of mining and construction equipment, diesel and natural gas engines, and industrial gas turbines—offers attendees a behind-the-scenes look at the natural gas engine technology that can help greatly reduce fuel costs and emissions.

At two exciting pre-conference tours taking place on Monday, September 16, participants have the opportunity to ask the factory professionals questions and see the engines being built! Pre-registration is required.

---

Tour #1: E&P and MINING
Caterpillar Lafayette Engine Center
The 1.3 million ft² Lafayette plant produces Caterpillar’s most recognized and durable engines—the 3500, 3600 and C175 series. On this tour, attendees will see where Caterpillar’s natural gas engines for drilling, pressure pumping, marine, electric power, and mine haul trucks are manufactured.

Location: Lafayette, Indiana
Time: 6:30 a.m. to 3:30 p.m. (three-hour drive each way)
Bus Departure from the Hyatt Regency McCormick Place. Tour includes transportation (with onboard Wi-Fi), breakfast, and lunch.

---

Tour #2: LOCOMOTIVE and MARINE
Electro-Motive Diesel LaGrange Engine Facility
EMD is a global provider of engines for diesel-electric locomotives, offshore oil and marine vessels. Attendees will get a firsthand look at EMD’s natural gas programs and development.

Location: LaGrange, Illinois
Time: 12:00 p.m. to 5:30 p.m. (30-minute drive each way)
Bus Departure from the Hyatt Regency McCormick Place.

---

The pre-conference tours are available at no additional cost to registered 2013 HHP Summit attendees. To inquire about signing up on-site, please contact Anya White at Anya.White@gladstein.org or 310-573-8567.

Please note, off-site tours are not open to Caterpillar competitors. Caterpillar will make final determinations on tour attendees; all decisions are final.
THE WORLD LEADER IN
ENGINE-POWERED PRODUCT, TECHNOLOGY AND INDUSTRY NEWS.

DIESEL & GAS TURBINE PUBLICATIONS
www.dieselpub.com
Tuesday, September 17, 2013

9:00 a.m.  Day One Welcome and Opening Remarks
9:15 a.m.  Opening Keynote Address – Natural Gas Engines: A Current Reality
  •  Billy Ainsworth, President and Chief Executive Officer, Progress Rail Services and Electro-Motive Diesel
9:45 a.m.  Executive Roundtable #1 – State of the Union: the Growing Use of Natural Gas for Today’s HHP Applications

In the last year, the level of activity around the use of natural gas as a diesel fuel substitute in fuel-hungry high horsepower applications has increased tremendously. On a weekly basis, major new projects and orders are being announced, end-user demonstration projects are being launched, and new engine technologies and equipment are being developed. While the level of excitement has been high, most agree that this level of activity is a mere foreshadow of the significant natural gas HHP markets that will come in the next year, three years, five years, and beyond. In this session, senior executives from global organizations will highlight the growing momentum within this industry throughout North America and beyond, and will give the audience a glimpse of the substantial natural gas HHP markets expected in the near future.
  •  Samuel Thomas, Chairman, President & Chief Executive Officer, Chart Industries
  •  Bruce Hodgins, Vice President, Partner Relationships, Westport
  •  Eddie Green, General Manager, North American Marine & Stationary LNG Business Development, Shell
  •  Blake Larson, Executive Director of High-Horsepower Engineering, Cummins
  •  Matt Most, Vice President, Commercial Development, Encana Natural Gas, Inc.

11:15 a.m.  Coffee Break
11:45 a.m.  Keynote Luncheon
12:25 p.m.  Keynote Introduction
  •  Matt Most, Vice President, Commercial Development, Encana Natural Gas, Inc.
12:30 p.m.  Keynote Address
  •  Governor Matt Mead, State of Wyoming
1:00 p.m.  Networking Break
1:30 p.m.  Executive Roundtable #2 – End Users Making the Business Case for Natural Gas HHP

The fuel price created with oil prices remaining more than $100 per barrel and natural gas less than $4.00/MMBtu—and anticipation that this spread will be maintained well into the future—has created tremendous opportunity for large fuel users to begin converting their operations to run on low-cost, domestic natural gas. Several large end-users have already begun to make investment decisions to switch, while a significant number of others are in the demonstration and evaluation phase with the anticipation that they too may make larger investments in the near-term. Top-level executives from end-user operations will present the criteria that made the business case for their companies to begin making this transition to natural gas.
  •  Mark Barker, President, Interlake Steamship Company
  •  Kenneth Ferguson, Assistant General Manager and Vice President, Alpha Natural Resources/Alpha Coal West
  •  Darrell Iler, Senior Engineer Car Design, Canadian National Railway
  •  William Marshall, Vice President Pressure Pumping, Bayou Well Services

3:15 p.m.  Breakout Session #1 – Natural Gas Engine Technologies to Power the High Horsepower Industries

The opening breakout sessions will provide an exciting look at the technologies and equipment making the use of natural gas possible in high horsepower applications. With several engine products already commercially available and being ordered, and many others being developed and tested for near-term commercialization and deployment, the opportunity for a near-term transition to natural gas is immense. Panelists will provide product updates, information, and firsthand insight into the real and practical costs, challenges, and benefits of their respective technologies. Ample time for audience Q&A and open discussion amongst the panelists will be provided (see next page).

5:00 p.m.  Welcome Reception and Networking in the Trade Show Hall,
Powerful. Smart. Sustainable.

The EVO-MT System: LNG + Diesel Conversions - Groundbreaking.

GFS offers the world’s first natural gas retrofit solution for open-pit mining operations. The EVO-MT System substantially reduces operating costs and improves sustainability without compromising production or safety. Learn more about how our technology can fuel your performance, call +01.954.693.9657 or visit us on the web at www.gfs-corp.com

Visit us at HHP Summit 2013, Chicago Sept. 17-19 Booth No. 821
Sponsored by Chart Industries

Join us for an evening of networking and exploration in the massive trade show hall—featuring four times more exhibit space than the 2012 show. This opening reception will provide a first look and an interactive environment for learning about the engines, fueling equipment, fuels, service providers, and other technologies available in today’s HHP marketplace.
INOXCVA is a leading cryogenic equipment manufacturer with customers worldwide. We offer complete storage, transport, and distribution solutions to the industrial gas, LNG, and oilfield service industries.

**INDUSTRIAL GAS**
Transport Tanks  
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Customer Stations  
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Experience Expertise Excellence
Wednesday, September 18, 2013

7:30 a.m.   Breakfast in the Trade Show Hall

8:30 a.m.   Day Two Welcome – Innovation and Advancements Accelerating the North American HHP Market

- Joel Feucht, General Manager of Gas and Medium Speed Engines, Caterpillar

The famed keynote speaker from HHP Summit 2012 returns to this year’s stage to provide an update on the accomplishments and progress Caterpillar has made in the HHP space in the last year, as well as some perspective on what to expect in the year ahead.

8:45 a.m.   Opening Address – The Outlook for Natural Gas: Emerging Fundamentals

- Kenneth Medlock III, PhD, Senior Director, Center for Energy Studies, James A. Baker III Institute for Public Policy, Rice University

Dr. Medlock is renowned expert on natural gas markets, energy commodity price relationships, transportation, national oil company behavior, economic development and energy demand, and energy use and the environment. He is widely published, provides frequent testimony to the US Senate Committee on Energy and Natural Resources, and is often quoted by mainstream media on these topics. Dr. Medlock will discuss key energy issues related to the increase use of natural gas in the HHP sector, including a comprehensive review of today’s energy markets, natural gas and petroleum supplies, domestic demand growth, exports, and ultimately what all of this means to forward energy supplies, price spreads, and other issues relevant to end-users that spend billions of dollars a year on energy.

9:15 a.m.   Plenary Session #3 – Developing LNG Production Assets for the North American HHP Market: Timelines, Costs and Other Key Considerations

As new LNG fueled HHP projects are analyzed, investigated, and announced, new sources of LNG must be brought online to keep pace with increasing demand. Recognizing that not all LNG is created equally, this panel will examine various options available to end-users from micro-scale LNG production, to utility peak shaving assets, LNG export terminals and multiple options for new purpose-built LNG plants. Critical factors for LNG plant siting will be examined, including development timelines and costs, natural gas and electrical utility requirements, permitting considerations, and key considerations for identifying the best site for your LNG plant.

- Pete Tumminello, Executive Vice President of Wholesale Services, AGL Resources
  Leveraging Utility LNG Assets While Developing New LNG Merchant Plants

- Jeff Sipes, Vice President & General Manager, Chart Energy & Chemicals
  Using a Modular Design Approach to Scale LNG Production to Meet Growing Equipment Needs

- Joseph Pak, Director of Sales and Marketing, Cosmodyne
  Nitrogen Expander Cycle for Small-Scale LNG Plants: a Cinderella Story

- Earl Lawson, Vice President, Energy Solutions, Linde North America
  LNG Supply: The Unique Perspective of an Operating and Engineering Company

10:45 a.m.  Networking Break in the Trade Show Hall

12:00 noon  Keynote Luncheon, Sponsored by America’s Natural Gas Alliance

12:30 p.m.  Keynote Introduction

- Amy Farrell, Vice President, Market Development, America’s Natural Gas Alliance

12:45 p.m.  Keynote Address – Engines, Fuel, and Infrastructure: Putting All of the Pieces Together

- Lorenzo Simonelli, President & Chief Executive Officer, GE Transportation

1:30 p.m.   Breakout Session #2 – Bunkering, Tender Cars, and Other Fueling Opportunities to Extend the Virtual Pipeline

Successful alternative fuel planning requires the development of a robust and strategically planned infrastructure system that works seamlessly to support everyday operational needs. These technical breakout sessions will provide case studies and detailed presentations on mobile and permanent natural gas refueling equipment options (including both LNG and CNG), costs, permitting and code issues, and other important development considerations. Mobile and modular LNG and CNG refueling equipment—which has proved critical to successful natural gas fueled HHP operations—will be displayed onsite at the HHP Summit to give attendees a hands-on look at this equipment as a compliment to the technical presentations provided (see next page).
INVESTED.

→ Safely developing the LNG market
→ Meeting customer needs with turnkey LNG fueling solutions
→ Reliable LNG fuel supply
**Breakout Session #2: “Bunkering, Tender Cars, and Other Fueling Opportunities to Extend the Virtual Pipeline”**

<table>
<thead>
<tr>
<th>Marine</th>
<th>Drilling</th>
<th>Pressure Pumping</th>
<th>Rail</th>
<th>Mining</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MODERATOR:</strong> John Snyder, Publisher and Editor, Marine Log</td>
<td><strong>MODERATOR:</strong> Dave Schultz, Senior Vice President, LNG America</td>
<td><strong>MODERATOR:</strong> Ken MacQuarrie, Development Manager, WSD, Parkland Fuel Corporation</td>
<td><strong>MODERATOR:</strong> Erik Montague, Business Development Advisor, Shell</td>
<td><strong>MODERATOR:</strong> Peter Scott, President &amp; Chief Executive Officer, Scott Pump Service</td>
</tr>
<tr>
<td>William Hutchins, Project Engineer, Shell Shell’s Plans for LNG Marine Bunkering</td>
<td>Matt Most, Vice President, Commercial Development, Encana Natural Gas, Inc. Mobile Fueling Options to Support Gas Driven Drill Rigs and Other Service Operations</td>
<td>Jed Tallman, Manager, Market Development, Ferus Natural Gas Fuels Leveraging Leading Cryogenic Logistics Experience and Expertise to Supply LNG for Pressure Pumping Services</td>
<td>Michael Iden, General Director Car &amp; Locomotive Engineering, Union Pacific Railroad and Chair of the Association of American Railroads Natural Gas Fuel Tender Technical Advisory Group Update on AAR’s Fuel Tender Standards</td>
<td>Brian Bostrom, Senior Engineering Manager, LNG, Chart Industries Mine Car Fuel Systems</td>
</tr>
<tr>
<td>Keith Meyer, Chief Executive Officer, LNG America Leveraging LNG Export Terminals for Domestic LNG Marine Supply in the Gulf Coast</td>
<td>William Hutchins, Project Engineer, Shell Shell’s Plans for LNG Marine Bunkering</td>
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3:30 p.m.  **Plenary Session #4 – Best Practices for Personnel Safety and Cryogenic Fuel Management in Today’s HHP Sectors**

Personnel safety and LNG fuel management to reduce system heat leak and fuel loss are critical issues for those using LNG in today’s various HHP sectors. Hear how key HSE considerations can be effectively addressed and how proper design engineering, equipment selection, and operational protocols play important roles in proactively minimizing system heat leak and fuel loss across the value chain. A live LNG demonstration will kick off this session to provide a basic 101-level understanding of the physics of natural gas, followed by in-depth presentations from industry leading experts.

- **Erik Neandross**, Chief Executive Officer, Gladstein, Neandross & Associates
  - *Live Demonstration of LNG Physics*
- **Rick Boudiette**, Technical Adviser, The Society of International Natural Gas Tankers and Terminal Operators
  - *The Safety Record of LNG Shipping and the Launch of the Society of Gas as a Marine Fuel*
- **Tom Drube**, Director of Engineering, Chart Industries
  - *Cryogenic Heat Management: Innovations and Lessons Learned from Argon Industry and Application to the HHP LNG Sector*
- **Chad Porter**, Chief Operating Officer, Ferus
  - *Key Elements of a Robust HSE Program for Natural Gas-Fueled HHP Applications*

5:00 p.m.  **Evening Reception and Networking in the Trade Show Hall, Sponsored by GE**

Join us for this networking event to continue making valuable business connections. The reception will feature exciting interactive displays that are sure to entertain...you’ll just have to show up to see what we mean!
Thursday, September 19, 2013

7:30 a.m.  Breakfast in the Trade Show Hall

8:30 a.m.  Breakout Session #3 – End User Case Studies: A Closer Look at Today’s Leading HHP Projects for the Marine, Drilling, Pressure Pumping, Rail and Mining Sectors

Peer-to-peer information exchange is often the most valuable form of learning for those looking to advance their own natural gas HHP projects. These end-user case studies panels feature leading early adopters set to share why and how they have made these investments; project capex, opex and ROI data and results; what has worked well; and, the key lessons learned along the way (see next page).

10:15 a.m.  Networking Break in the Trade Show Hall

11:00 a.m.  Plenary Session #5 – Show Me the Money: Wall Street’s Perspective on the Emerging HHP Market

This concluding panel will provide an intriguing and dynamic look at one of Wall Street’s hottest markets from those actively involved in analyzing the economics and trends, and those recommending and making investments in these markets. Learn how, where, when, and why investment decisions are being made; what the realities of a true market shift in these sectors are; what the conversion of these operations to operate on natural gas means to the financial community; and where the largest financial opportunities lie. Hear how suppliers and end-users can leverage this interest to make key business decisions in the rapidly growing natural gas HHP sector.

MODERATOR:  Matt Most, Vice President, Commercial Development, Encana Natural Gas, Inc.
- Jim Wicklund, Managing Director—Energy Research, Credit Suisse
- Alina Dumitrasc, Manager, Galway Group / Galway Energy Advisors
- Matt Simon, Portfolio Manager, Citadel LLC

12:30 p.m.  Closing Remarks and Program Concludes
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Find out how at www.ProgressiveRailroading.com/MediaKit

Progressive Railroading magazine
With a circulation of more than 25,000, Progressive Railroading magazine serves railroads, rail transit systems, private car lines, car and locomotive builders, industry associations, consultants and contractors (rail and rail transit), utility and energy companies, car and locomotive repair shops, shippers, intermodal, finance/leasing companies, government, suppliers and others allied to the field.

ProgressiveRailroading.com
ProgressiveRailroading.com is the rail professional’s primary industry online resource, averaging over 40,000 unique and 130,000 page views.

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Progressive Railroading’s Car & Locomotive Yearbook is a comprehensive guide of freight cars, locomotives, car repair shops, car & locomotive products, manufacturers’ representatives, locomotive maintenance & remanufacturing services and rail associations & fleet stats.

Daily News
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Track Yearbook
A comprehensive guide of product/equipment listings for track materials and parts, maintenance of way equipment and signal/signage. Plus a manufacturer index, track/rail industry statistics, manufacturers’ reps, construction/consulting services and MOW-related associations.

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Breakout Session #3: “End-User Case Studies: A Closer Look at Today’s Leading HHP Projects for the Marine, Drilling, Pressure Pumping, Rail and Mining Sectors”

### Marine
- **Moderator:** Carol Wolosz, Executive Director, Great Lakes Maritime Research Institute
- **Paul Blomerus, PhD, Senior Director, High Horsepower, Westport**
  Innovative Solutions for Tug Boats
- **Jan Hagen Andersen, Principal Engineer, Det Norske Veritas**
  LNG as a Fuel for Marine Applications: Norwegian End-User Case Studies
- **Roy Bleiberg, Director of Engineering, ABS Americas**
  Case Studies Showcasing Risk Assessments for Gas-Fueled Ships
- **John Hatley, Americas Vice President Ship Power, Wartsila North America**
  Marine Business Case Examples for LNG Fuel

### Drilling
- **Moderator:** Keith Hall, Director of Engineering & Product Development, Westport Cryogenic Manufacturing
- **William Copeland, Drilling Engineer, EQT Corporation**
  EQT’s Extensive Testing, Demonstration, and Use of Natural Gas to Power its Drilling Operations
- **Brian Murphy, Engineering Manager, Ensign United States Drilling**
  Opportunities and Economics on Modern Drill Rigs
- **Curtis Rueter, Manager, LNG/CNG Development, Noble Energy**
  Noble Energy’s Recent Experience with Dedicated and Dual Fuel Systems for Drilling and Pressure Pumping
- **Mark Bruchman, General Manager of Operations, Apache Corporation**
  An Overview of One of North America’s Leading E&P Companies Using Natural Gas to Power Its Operations

### Pressure Pumping
- **Moderator:** Stuart Wilson, Vice President, Commercial Development, Ferus Natural Gas Fuels
- **Matthew Hackworth, Business Specialist, EQT Corporation**
  EQT’s Extensive Testing, Demonstration, and Use of Natural Gas to Power its Pressure Pumping Operations
- **Adam Marks, Project Manager, Baker Hughes**
  Baker Hughes’ Use of Natural Gas for Pressure Pumping Operations
- **Sean Parker, Project Manager, Bi-Fuel Technologies, Halliburton**
  Halliburton’s Use of Natural Gas for Pressure Pumping Operations
- **Chris Combs, Director, Fracturing Technology, Green Field Energy Services**
  Fracturing with 100% Natural Gas
- **Troy Huey, Wellsite Delivery Technology Manager, Schlumberger**
  Technology and Value Drivers for Today’s Frac Pump

### Rail
- **Moderator:** Sean Turner, Chief Operating Officer, Gladstein, Neandross & Associates
- **Dale Lewis, General Director Car & Locomotive Engineering, Union Pacific Railroad**
  Natural Gas Fuel Tender Technical Advisory Group, UP’s Consideration of LNG for Locomotives
- **Michael Iden, Senior Engineer Car Design, Canadian National Railway**
  CN: LNG Locomotive Initiatives
- **Darrell Iler, Senior Engineer Car Design, Canadian National Railway**
  CN: LNG Locomotive Initiatives
- **Chris Combs, Director, Fracturing Technology, Green Field Energy Services**
  Fracturing with 100% Natural Gas
- **Troy Huey, Wellsite Delivery Technology Manager, Schlumberger**
  Technology and Value Drivers for Today’s Frac Pump

### Mining
- **Moderator:** Jon Leonard, Senior Vice President, Gladstein, Neandross & Associates
- **Bill Caffee, Mining Industry Consultant**
  Power Generation: Experiences of a Former Newmont Mining Corporation Energy Solutions Manager
- **Steve Forbush, Diesel Equipment Specialist, Arch Western Bituminous Coal**
  Arch Western Bituminous Coal’s Perspective on Natural Gas
- **David Moses, Manager, Mine Support, Albion Sands, Shell**
  Shell’s Roadmap for LNG Mine Haul Trucks at the Albion Oil Sands
- **Kenneth Ferguson, Assistant General Manager and Vice President, Alpha Natural Resources/Alpha Coal West**
  Alpha Coal’s Alternative Fuel (LNG) Mine Haul Project
William [Billy] Ainsworth  
Chief Executive Officer  
*Caterpillar’s Progress Rail Services and Electro-Motive Diesel*  
Opening Keynote Address: Tuesday, September 17

William Ainsworth founded what is today known as Caterpillar’s Rail Division in the early 1980s. Since acquiring Progress Rail in 2006, Caterpillar has invested more than $2 billion to grow its rail business, including the acquisition of the iconic Electro-Motive Diesel brand in 2010, further expanding its global footprint. Progress Rail today serves as one of North America’s largest suppliers of products and services to the railroad industry, and Electro-Motive has world-class locomotive manufacturing facilities across the globe.

Representing Caterpillar, one of the HHP Summit’s title sponsors in 2012 and again in 2013, Mr. Ainsworth will share Caterpillar's natural gas strategy and focus on the company’s continuing commitment to deliver the best customer value. Natural gas isn’t new to the company, which has served as a market leader in gas engines since 1947. With off-highway and transportation customers showing a renewed interest in natural gas, it is evident more than ever that this real-world alternative has the potential to reduce operating and fuel costs as well as lower emissions, all while delivering exceptional diesel-like performance. Mr. Ainsworth will set the stage for the Caterpillar-hosted HHP Summit by discussing the value of natural gas today, and present Caterpillar’s market-leading portfolio of gas engine products and systems.

Matt Mead  
Governor  
*State of Wyoming*  
Luncheon Keynote Address: Tuesday, September 17

Matt Mead took office as Wyoming’s 32nd Governor in January 2011. As the nation’s third largest producer of natural gas and leading exporter of domestic energy, Wyoming has played an important role in the development of a robust natural gas transportation industry. The state’s LNG production plants have helped boost the modern LNG transportation industry, and the state has served as the launchpad for several key LNG initiatives, including Burlington Northern’s first LNG locomotive project in the ‘90s and Alpha Natural Resources’ current LNG mine haul truck test project.

Governor Matt Mead has worked with the energy industry, business community, environmental organizations, and landowners in Wyoming to develop a statewide energy strategy. Titled “Leading the Charge: Wyoming’s Action Plan for Energy, Environment and Economy,” the strategy identifies many specific initiatives to achieve excellence in energy development, environmental stewardship, and economic growth. One initiative singles out LNG and high horsepower applications. During his keynote address, Governor Mead will share his thoughts about the importance of developing a state energy strategy. He will highlight Wyoming’s leadership in energy development and discuss Wyoming’s effort to expand opportunities and identify impediments to using more natural gas in high horsepower applications.
Lorenzo Simonelli
President and Chief Executive Officer
GE Transportation

Luncheon Keynote Address: Wednesday, September 18

Lorenzo Simonelli has expanded GE Transportation from a $3.4 billion per year locomotive-focused business to a diversified division with annual revenues of approximately $5.6 billion. Under his leadership since July 2008, GE Transportation has emphasized advanced technology manufacturing, intelligent control systems, and a diverse approach to new propulsion solutions to solve the world’s toughest transportation challenges.

Mr. Simonelli will highlight GE’s diverse product portfolio across multiple HHP markets, including large-scale and micro LNG production technologies, as well as various engine product offerings for the marine, mining, locomotive, stationary power, drilling, and other off-road industrial markets.

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Mark Barker
President
Interlake Steamship Company
Mark Barker serves as president of the Interlake Steamship Company and executive vice president of Monnac Marine Group. Prior to becoming president, Mr. Barker was vice president and treasurer overseeing the company’s engineering activities and banking relationships. Previously, Mr. Barker was a fleet engineer overseeing the repairs and budgets of Interlake Steamship’s vessels. Before joining Interlake Steamship Company, Mr. Barker sailed aboard numerous vessels in the Great Lakes, Gulf of Mexico, and trans-Atlantic trades and served as an engineering training officer aboard the State University of New York (SUNY) Maritime Training Vessel “Empire State.” Mr. Barker graduated from SUNY Maritime with a bachelor of engineering, marine engineering and an unlimited third assistant engineer license and holds a master of business administration from Case Western Reserve University, Weatherhead School of Management. In addition to his duties at Interlake Steamship Company, Mr. Barker also serves on the board of Moran Towing Corporation, the Great Lakes Historical Society and Great Lakes Science Center. He also sits on the Council of the American Bureau of Shipping. The Interlake Steamship Company and its affiliate Lakes Shipping Company of Richfield, Ohio, operate nine Great Lake vessels including four 1,000 foot self-unloading bulk carriers which are capable of carrying up to 127,000 tons of cargo.

Kenneth (Ken) Ferguson
Assistant General Manager and Vice President
Alpha Coal West
Ken Ferguson is assistant general manager and vice president of Alpha Coal West, Inc., a thermal coal mining company operating in the Powder River Basin. Alpha Coal West supplies coal for electrical generation plants in 42 states, with production averaging 50 million tons annually. Mr. Ferguson is responsible for mining equipment maintenance, plants, sourcing, accounting, and training groups. He has worked in the mining industry for 38 years, 20 of which were with Caterpillar. He has co-authored papers on innovative mining technologies and has participated on many mining equipment development projects. These include field development of 793A-B Haul Trucks, 797F Haul Trucks, 24 Motor Graders, Vital Information Management System (VIMS), Truck Payload Management System (TPMS), and Road Analysis Control (RAC). His philosophy is “Innovation built this country, let’s not stop now.”
Joel D. Feucht
General Manager of Gas and Medium Speed Engines
Caterpillar, Inc.

Joel D. Feucht is general manager of gas and medium speed engines for Caterpillar’s large power systems division. Since 2012, he has been responsible for developing gas engine strategy on an enterprise basis and leading the development of gas and medium speed engine products to provide customers in all segments with class-leading solutions. Mr. Feucht, a fourth-generation Caterpillar employee, joined Caterpillar in 1988 as a designer in the engine division. He held various engineering and purchasing positions before being a manufacturing manager in the fuel system division in 1998. He was named materials manager with responsibility for purchasing and logistics in 2001. Mr. Feucht became global segment manager in global purchasing for engine components in 2003, based in Peterborough, United Kingdom. He returned to Mossville, Illinois, in late 2005 as a component product manager responsible for launching Caterpillar’s growing aftertreatment and cooling systems businesses. In 2006, Mr. Feucht was named director of purchasing for Caterpillar’s engine businesses. Mr. Feucht completed The Executive Program at the University of Virginia’s Darden Graduate School of Business in 2008. He has a bachelor’s degree in mechanical engineering from the University of Illinois. He chairs the board of the Peoria Area Youth for Christ.

CryoSystems International LP is a company composed of LNG Engineers, Designers, Fabricators, Code Welders, Assemblers, Electrical Technicians to build specialty infrastructures for LNG fueling of Heavy Duty Trucks, Mine Trucks, Water Craft including Ferries, Work Boats and Off Shore Oil and Gas Support Boats.

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Eddie Green
General Manager, North American Marine & Stationary LNG Business Development
Shell Marine Products

Eddie Green currently serves as the general manager for Shell’s LNG for transport business development activities in the marine and stationary sectors. In this role, he is responsible for developing business strategy, sales and marketing plans, customer relations programs, customer value propositions, and supply chain partners. Drawing upon more than 30 years of experience in the energy industry, Mr. Green now manages a team with unique transport sector experience. The team is strategically positioned in key markets and is charged with identifying business opportunities, establishing and maturing operations, and developing plans for future growth of the division. Mr. Green joined Shell in 1991 as technical services manager of the new Shell fuel additives division of Shell Chemicals. Since then, he has held a number of business, technical, and management positions including general manager of Shell Marine Products, director of market and strategy of US commercial fuels, business development director of Shell Pipeline Company, manager of fuels business development for Shell Retail Marketing, and manager of automotive fuels technology for Shell Oil Products Company. Mr. Green graduated from University of Temple with a bachelor of arts in chemistry and has completed numerous business and leadership programs including Shell Executive Leadership Program at the Wharton Business School.
**Blake Larson**  
**Executive Director of High-Horsepower Engineering**  
**Cummins**

Blake Larson is executive director of high-horsepower engineering at Cummins. He joined Cummins in 1993 as a senior engineer. Mr. Larson has held several engineering positions including chief engineer and executive engineer before assuming the role of executive director in 2008. He has a degree in physics and a degree in Japanese from Brigham Young University in addition to a master’s degree in mechanical engineering from the Georgia Institute of Technology and a master’s degree from Purdue University. He is a certified Six Sigma sponsor and Six Sigma Green Belt.

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**Earl Lawson**  
**Vice President, Energy Solutions**  
**Linde**

Earl Lawson is the vice president of energy solutions for Linde, LLC. He is responsible for driving growth throughout North America in the merchant LNG and oil and gas services markets. He is a member of Linde North America’s executive leadership team and is part of the Linde Group’s global clean energy team setting the strategy for Linde’s long-term growth in the dynamic energy sector. Mr. Lawson has been a member of the Linde team for 18 years, serving the energy, metals, food, chemicals, and manufacturing sectors in a diverse set of commercial, technical, and business management roles. He is a graduate of the US Military Academy, West Point, New York, and the Kellogg School of Management, Evanston, Illinois.

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**Kenneth B. Medlock III**  
**Senior Director, Center for Energy Studies, James A Baker III Institute for Public Policy**  
**Rice University**

Kenneth B. Medlock III, PhD, is the James A. Baker, III, and Susan G. Baker Fellow in Energy and Resource Economics at the Rice University’s Baker Institute and the senior director of the Center for Energy Studies, as well as an adjunct professor and lecturer in the Department of Economics at Rice University. He is a principal in the development of the Rice World Natural Gas Trade Model, aimed at assessing the future of international natural gas trade. He has published numerous scholarly articles in his primary areas of interest: natural gas markets, energy commodity price relationships, gasoline markets, transportation, national oil company behavior, economic development and energy demand, and energy use and the environment. He also teaches courses in energy economics and supervises PhD students in the energy economics field. Dr. Medlock is currently the vice president for academic affairs for the US Association for Energy Economics (USAEE). In 2001, he won (jointly with Ron Soligo) the International Association for Energy Economics Award for Best Paper of the Year in the Energy Journal. In 2011, he was given the USAEE’s Senior Fellow Award. He is also an active member of the American Economic Association and the Association of Environmental and Resource Economists, and is an academic member of the National Petroleum Council (NPC). Dr. Medlock has served as an adviser to the US Department of Energy and the California Energy Commission in their respective energy modeling efforts. He was the lead modeler of the modeling subgroup of the 2003 NPC study of long-term natural gas markets in North America, and was a contributing author to the recent NPC study “North American Resource Development.”

Dr. Medlock received his PhD in economics from Rice in 2000, and held the MD Anderson Fellowship at the Baker Institute from 2000 to 2001.
Matt Most
Vice President, Commercial Development
Encana Natural Gas, Inc.
Matt Most is vice president, commercial development for Encana Natural Gas, Inc. He leads his team in strategic market and business development opportunities, creating demand for and selling CNG and LNG fueling solutions in the transportation and power generation sectors. Mr. Most joined Encana in 2010 from Edison Mission Energy where he was managing director of environmental policy and strategy. Prior to that role, he served as director of emissions and fuels for Edison Mission Marketing & Trading where he managed emission allowance positions, led a greenhouse gas policy task force, and served as an advisor on environmental investments and regulatory affairs. He brings extensive expertise in environmental markets, advocacy and new business development. He served on the Illinois Climate Change Advisory Group and Midwest Governors Association’s Greenhouse Gas Reduction Advisory Group as a Governor’s appointee. He served as chairperson of the Environmental Markets Association for three years and a director for five years. Mr. Most holds a bachelor’s degree from Clark University in environmental science and a master of business administration from Babson College.

Joseph Pak
Director of Sales and Marketing
Cosmodyne, LLC
Joseph Pak is director of sales and marketing for Cosmodyne, LLC, a member of the Cryogenic Industries family of companies in Seal Beach, California. He joined the company in 2007 and has since been responsible for the sales and marketing of air separation plants and small-scale LNG plants around the world. He has over 24 years of experience working for equipment manufacturers in various positions including engineering, sales, and legal. He has a master of science in mechanical engineering from the University of Southern California and a juris doctor from the University of Connecticut School of Law. He is a registered professional engineer in the state of California and is also admitted to the California bar.

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Normand Pellerin
Assistant Vice President for Environment and Sustainability
Canadian National Railway
Normand Pellerin is assistant vice president for environment and sustainability at Canadian National Railway (CN). He has been with CN for 17 years. In his current position, Mr. Pellerin has overall responsibility for environmental matters and for the formulation of CN’s corporate environmental and sustainability efforts. He provides direction and guidance on matters including sustainability programs, policies, and strategies, new acquisitions, air emissions, noise, regulatory compliance, and day to day environmental issues in Canada and the US. Prior to CN, Mr. Pellerin worked for Air Canada as director of employee safety and the environment. He has also worked at DOMTAR as director of safety and industrial hygiene and at Johns Manville as an industrial hygienist. Mr. Pellerin has a master’s degree in environmental management, a diploma in administration, and a bachelor’s degree in ecology and biology. He is also a member of many professional associations.

Jeff Sipes
General Manager - Process Systems
Chart Energy & Chemicals
Jeffrey G. Sipes is the vice president and general manager of Chart Energy & Chemicals, Inc. Chart E&C, located in The Woodlands, Texas, is a leader in cryogenic hydrocarbon processing serving markets for LNG, nitrogen rejection, natural gas liquids recovery, hydrogen recovery and other specialty separation and recovery systems. Mr. Sipes joined Chart in 2010. He has 20 years of experience in operations management and business development in the engineering and construction industry. His career includes a history of successful large capital projects with a particular focus on LNG and he worked for a number of years in Latin America. Mr. Sipes earned his Bachelor of Science in Civil Engineering from Texas Tech University in 1989 and was elected to the University’s Engineering Academy in 2010.

Experience In Motion
Nicholas Sonntag  
**Executive Vice President**  
**Westport**  
**President**  
**Westport Asia**

Nicholas Sonntag is executive vice president at Westport and president, Westport Asia, and leads market development activities in Asia. He joined Westport in October 2006 and is responsible for the growth and development of Westport’s emerging OEM global partnerships. As president, Westport Asia, Mr. Sonntag is responsible for growing the company’s business and developing opportunities in those regions. Mr. Sonntag is also a director of Westport’s joint venture with Weichai. Prior to joining Westport, Mr. Sonntag served as president of CH2M HILL’s operations in Greater China, working on sustainable infrastructure and industrial development across China and Hong Kong. Prior to his time in China, Mr. Sonntag was president of CH2M HILL’s operations in Canada. Mr. Sonntag has held senior executive positions with the Stockholm Environment Institute, the International Institute for Sustainable Development, and the United Nation’s Conference on Environment and Development. His memberships and board positions include: Royal Roads School of Environment & Sustainability, Environmental Forum of the American Chamber of Commerce in Beijing, Environmental Management College of China, the International Center for Sustainable Cities, and the China-US Center for Sustainable Development. Mr. Sonntag obtained a bachelor of science in engineering physics and a master of business administration from the University of British Columbia.

Samuel Thomas  
**Chairman, President, & Chief Executive Officer**  
**Chart Industries**

Samuel Thomas has served as the chairman of Chart Industries’ board of directors since March 2007 and has served as the chief executive officer and president and as a member of its board of directors since October 2003. Prior to joining Chart Industries, Mr. Thomas was executive vice president of global consumables at ESAB Holdings Ltd., a provider of welding consumables and equipment. In addition to his most recent position at ESAB, Mr. Thomas was responsible for ESAB North America during his employment at ESAB Holdings Ltd. Prior to joining ESAB in February 1999, Mr. Thomas was vice president of friction products for Federal Mogul, Inc. Prior to its acquisition by Federal Mogul in 1998, Mr. Thomas was employed by T&N plc from 1976 to 1998, where he served from 1991 as chief executive of several global operating divisions, including industrial sealing, camshafts, and friction products.

Peter Tumminello  
**Executive Vice President of Wholesale Services**  
**AGL Resources**

Peter Tumminello was named executive vice president, wholesale services, for AGL Resources (NYSE: GAS) in December 2011. In this role, he has executive oversight for AGL Resources’ marketing and trading business, storage business and fuels business. He previously served as president of Sequent Energy Management, leading all aspects of Sequent’s operations including natural gas asset management, origination, trading, producer services, support functions and long-term growth strategy. Mr. Tumminello brings more than 20 years of experience in natural gas marketing and trading and more than 27 years in the energy industry to his position. He previously served as executive vice president of business development and support for Sequent and as vice president of corporate development for AGL Resources. In this capacity, Mr. Tumminello and his team helped expand Sequent’s business into new regions and products while supporting AGL Resources’ affiliate utilities through successful asset management programs. Mr. Tumminello joined the executive management team of Sequent in August 2003 as vice president of asset management and origination. He has served on the AGL Resources policy committee since April 2010. Prior to joining AGL Resources and Sequent, Mr. Tumminello was vice president of energy supply for Green Mountain Energy Company and worked for TPC Corp and ARCO Oil and Gas Company in various capacities in energy marketing, storage and transportation asset management, petroleum engineering, finance and planning, and project evaluation. Mr. Tumminello earned his master of business administration from the University of Southwestern Louisiana and his bachelor of science in petroleum engineering from Louisiana Tech University.
George Aguilera joined GFS Corp in August 2007 as a founding member of the management team and currently serves as executive vice president. Mr. Aguilera has led the company’s efforts to introduce LNG-based, diesel plus natural gas engine conversion systems to the marketplace. The company primarily targets high horsepower applications in mine haul trucks, locomotives, and power generation. He has over 27 years of experience in the power generation, industrial equipment, energy services, and financial sectors. He has significant cross-functional experience in business development, sales, marketing, corporate finance, and mergers & acquisitions with GE, Public Service Enterprise Group, Kohler Company, and in private consulting. Mr. Aguilera has a bachelor of science in mechanical engineering from the University of Florida and a master of business administration from the Wharton School at the University of Pennsylvania.

Jan Hagen Andersen is a principal engineer for DNV Maritime North America’s section for technical advisory. He has 22 years of experience in the maritime industry with a strong focus on marine propulsion systems and machinery. He is a mechanical engineer and started his career at TransMarine Propulsion Systems, Inc. in Seattle, Washington. He joined DNV Norway in 2005 in the rotating machinery section of Maritime Technical Advisory. This group provides consultancy and advisory services to ship owners, shipyards, manufacturers, designers, and others on design, operation, troubleshooting, root cause analysis, and performance verification. The group also carries out research and development and serves as a competence center within the DNV organization. Mr. Andersen is part of a team in DNV Maritime North America responsible for LNG-fueled shipping and is currently the project manager for a study for the International Maritime Organization on the feasibility of LNG-fueled shipping in the North American Emission Control Area. He is a licensed professional engineer and a member of the Society of Naval Architects and Marine Engineers’ M-16 Panel on Propulsion Shafting.

David Barr joined Taylor Wharton in 2012 to launch and lead a new LNG business unit. Since then, Taylor Wharton has created one of the world’s most experienced LNG management teams with over 30 years of LNG experience. Prior to his work with Taylor Wharton, Mr. Barr developed the first LNG distribution business in Minnesota for Lubrication Technologies, Inc. which supplied customized LNG equipment and LNG to asphalt plants. From 1998 to 2003, while at MVE/Chart Industries, Mr. Barr was the founder and president of NexGen Fueling, a leading global supplier of LNG fueling stations and vehicle tanks. From 1986 to 1998, Mr. Barr worked as a petroleum geologist and was president of several start up technology companies. He holds a bachelor of science in geology from the University of Utah and has completed postgraduate business programs at the University of St. Thomas and the University of Minnesota.

Aaron Biksaps is a marketing manager at Caterpillar with global marketing responsibilities for Caterpillar’s large mining truck product line. In this role, Mr. Biksaps is focused on understanding mining customer economics and collaborates with design and engineering departments to determine how products and services could be developed or modified to meet customer needs. Mr. Biksaps’ experience in the mining industry and focus on mining trucks spans a period of 15 years. His career with Caterpillar has included various roles based in key mining regions around the world including Australia, Singapore, Indonesia, and the US. Mr. Biksaps has a passion for mining combined with deep expertise related to mining trucks and a global perspective.

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Chris Combs has been directly involved in the pressure pumping industry for over 13 years. Mr. Combs grew up in a small community in northeast Texas and upon graduating high school immediately enlisted in the US Marine Corps as an F/A-18 Hornet aviation mechanic. Shortly after completing his service, he enrolled and graduated with a bachelor of science in petroleum engineering from Texas Tech University. In 2000, he began his career as a field engineer for Schlumberger (Longview, Texas/Fort Smith, Arkansas) working onsite to provide technical services during hydraulic fracturing operations before moving on to Weatherford Fracturing Technologies (Marshall, Texas/Farmington, New Mexico) in the role of district engineer. Here he was charged with oversight of all engineering staff, laboratory personnel, and technical client presentations as well as with the technical training of operational and technical staff members. From there, Mr. Combs became a consulting engineer for multiple E&P companies in the Permian Basin (Midland, Texas) where he was instrumental in improving fracturing designs and completion techniques to increase average production by over 18% while reducing well completion expenditures by 12%. In 2012, Mr. Combs joined the Green Field Energy Services team (Houston, Texas) and has authored/co-authored multiple industry articles and papers regarding natural gas utilization and turbine fracturing equipment. He oversees or is directly involved with engineering, sales, management, and operations, focusing on making Green Field Energy Services the global leader of the hydraulic fracturing industry by becoming the first E&P service company to achieve operations with 100% field gas.

William [Bill] Copeland received a bachelor of science in metallurgical and materials engineering from the University of Pittsburgh in 1979. He worked as a manufacturing and quality engineer for Kennametal in Latrobe, Pennsylvania; ABC Rail Corporation in Baltimore, Maryland; and American Video Glass Company in Mount Pleasant, Pennsylvania. He was a manufacturing manager at HydroGen, LLC in Versailles, Pennsylvania, and later with Vaisala in Uniontown, Pennsylvania. He is a Six Sigma Black Belt with more than 30 years of experience in process development, problem solving, and continuous improvement. He joined EQT Production in 2010 as a drilling engineer. In addition to his daily support of natural gas drilling operations, he has worked on several special projects including the conversion of diesel generator engines to dual-fuel systems, coordinating installation and operation as well as supply logistics.

Eric Dillen is the dual-fuel engine system leader for GE Transportation. He joined GE Transportation in 1993 as a mechanical systems engineer working on cooling, ventilation, and fuel consumption improvement projects. In 1997 he joined the engine team as a fuel systems and performance engineer where he was part of the development team for the GE Tier 0 and Tier 1 locomotive launches. He became the manager of the engine performance, turbo, and emissions group in 2002 where his team developed the performance solution for the launch of the EVO Locomotive at Tier 2 emissions and best in class fuel efficiency. In 2008 he became a principal engineer in the chief engineer’s office and focused on locomotive fuel efficiency and cooling, ventilation, and compressed air design. In 2012 he became the dual-fuel engine system leader to support GE Transportation’s dual-fuel locomotive initiative.

Brian Dracup is senior director, LNG rail & tender program development at Westport Innovations and is responsible for new product development and market development programs related to the implementation of natural gas in rail. Prior to joining Westport in January 2012, Mr. Dracup was a project manager with the Boston Consulting Group where he focused on strategic and operational initiatives for large industrial goods companies. Earlier in his career, he held engineering positions with Exponent Failure Analysis Associates, Lawrence Berkeley National Laboratory, and NASA/Lockheed Martin Space Systems. Mr. Dracup has a bachelor of science in materials engineering from Brown University; a Master of Science in materials engineering from the University of California, Berkeley; and a master of business administration from MIT’s Sloan School of Management.

Tom Drube is the director of engineering for the distribution and storage group of Chart Industries, a leading manufacturer of vacuum insulated equipment for cryogenic applications. He has over 20 years of cryogenic design experience and most of this time has been dedicated to the advancement of LNG applications. He has been involved with LNG transportation development since the early 1990s.

Alina Dumitrasc is a manager with the Galway Group, based at the company’s headquarters in Houston, Texas. At Galway, she advises energy industry clients, governments, and leading multinational...
corporations regarding opportunities across the natural gas value chain, including commercial project development, market analysis, project structuring, and economic evaluation. Galway Group is a techno-commercial energy advisory and investment banking firm that offers transactional and analytical support to the energy sector, from concept development through contract negotiations, financing, risk management, and commercialization. With offices in Houston and Singapore, Galway primarily assists companies with their investment decisions in the natural gas, LNG, natural gas liquids, renewables, power, and trading sectors.

Akram Elhenawy is the global business development manager for the Power Generation Systems Division of Caterpillar, Inc based in Houston, Texas. Since 2012, he has been responsible for promoting the use of natural gas, liquid fuel, and dual-fuel medium speed engine technologies as prime movers in power plant solutions that support the mining sector. Mr. Elhenawy worked for a Caterpillar dealer as a Cat 3600 specialist from 1991 to 1995. In 1995, he accepted a position as the commissioning manager with ABB in the United Arab Emirates before joining Siemens and Dar Al Handssah in Lebanon as a senior electrical engineer in 1996. Mr. Elhenawy was a project manager with Siemens from 1999 to 2006 based in Orlando, Florida. Mr. Elhenawy joined Caterpillar in 2007 as area sales manager covering the Middle East prior to holding his current position as global business development manager. He completed a bachelor’s degree in electrical engineering from the University of Alexandria in Egypt in 1989. He has also completed numerous domestic and overseas professional courses and seminars in advanced engineering technology, building, and project management, and became a certified project manager in 2005.

Amy Farrell is the vice president of market development at America’s Natural Gas Alliance (ANGA). Ms. Farrell leads the organization’s efforts to promote the increased use of our natural gas resources in the transportation, power generation and industrial sectors for a cleaner and more secure energy future. Prior to joining ANGA, Ms. Farrell worked in ExxonMobil’s Public and Government Affairs Department as an issues advisor, providing policy and strategic advocacy advice on topics ranging from US greenhouse gas policy to process safety. Ms. Farrell spent nearly a decade in the federal government, most recently serving in the George W. Bush White House National Economic Council as a special assistant to the President for economic policy handling energy policy. She also served as an associate director for environment and regulation in the White House Council on Environmental Quality. Ms. Farrell served as deputy assistant administrator for the Office of Prevention, Pesticides and Toxic Substances (now the Office of Chemical Safety and Pollution Prevention) and a policy advisor to Administrators Stephen Johnson and Michael Leavitt at the US EPA. Ms. Farrell began her government career as a policy analyst in the Office of Management and Budget’s Office of Information and Regulatory Affairs. Ms. Farrell graduated from Indiana’s School of Public and Environmental Affairs with a master’s degree in public policy. She earned her bachelor’s degree in biology from Illinois Wesleyan University.

John Fisher is currently business development manager for the Electric Power Division mining team at Caterpillar, Inc. He was educated in Canada, graduating with a BSc in mechanical engineering from the University of Toronto and an MBA from Queen’s University in Kingston, Ontario. Prior to joining Caterpillar, he was employed as a commissioning
engineer and later a maintenance engineer at several coal fired thermal plants in Canada. Mr. Fisher has been with Caterpillar for 35 years and has enjoyed management positions in sales, marketing, product definition, engineering, J-V acquisitions, and dealer development.

Anirudh Gautam, PhD, has worked with Indian Railways (IR) in different capacities over the last 25 years. He began his career in the train operations and maintenance area of IR and then moved to engine design and development where he has worked for the past 15 years. Dr. Gautam has been working to introduce natural gas as fuel for IR diesel locomotives and is working to develop a design for conversion of mainline diesel locomotives to work on natural gas. He holds a degree from IR Institute of Mechanical and Electrical Engineering; a master of quality management from Birla Institute of Technology, Pilani, India; a master of engineering in engine systems from University of Wisconsin, Madison; and a PhD in alternative fuels from Indian Institute of Technology Kanpur.

Russ Goss is a marketing project manager with Caterpillar’s Global Petroleum division. He joined the group in 2011 with a focus on the land drilling and production segment, supporting new product introduction and product support for diesel product as well as Caterpillar’s dynamic gas blending and gas genset product lines. Prior to Global Petroleum, Mr. Goss held various engineering and product validation positions in Caterpillar’s earthmoving division. He has a bachelor of science in mechanical engineering from Tennessee Technological University, a master of science in Mechanical Engineering from the University of Tennessee, and a master of business administration from Indian Institute of Technology Kanpur.

Chuck Griffith is the sales manager of medium speed engines and aftship product into offshore and merchant applications for MAN Diesel & Turbo in Houston, Texas. He has 16 years of engineering and marketing experience with medium and high speed engines and generator sets designed for the oil & gas industry. Mr. Griffith holds a bachelor of mechanical engineering from the Georgia Institute of Technology.

Leif Gross is manager for product definition and new product introduction at Caterpillar Marine Power Systems’ worldwide headquarter in Hamburg, Germany. He oversees product development for Caterpillar and MaK branded marine engines. Mr. Gross received his officer cadet training for the German Army at the French Ecoles de Saint-Cyr and the Royal Netherlands Air Force. After returning to Hamburg, he studied economics at the University of the Federal Armed Forces Hamburg and the University of the City of Hamburg. Following his military career, he assumed a sales position for Cummins Marine Engines in 1994 and joined Caterpillar in 2000. Mr. Gross held several international sales positions, both for Caterpillar and MaK products. Until April 2012, he was responsible for Caterpillar’s business in the cruise industry. Mr. Gross’ current responsibilities encompass everything from segment specific product definition in all technical and commercial aspects to the development of strategic product support solutions. In this role he owns the Caterpillar marine strategy for LNG-fueled engine solutions. Mr. Gross has served as a panelist and speaker at Interferry and Seatrade conferences as well as lecturer at Carnival’s Aida Cruise Academy.

Keith Hall is the director of engineering and product development at WesMor Cryogenic Manufacturing, headquartered in La Porte (Houston), Texas. WesMor has been manufacturing new cryogenic...
equipment since 2007, including cryogenic transport trailers [with or without pumps], truck-mount tanks, micro bulk, off-shore skids, 20 & 40-foot ISO/IMO containers, and queen mobile storage trailers. New products include portable LNG fueling stations and LNG vaporization / regasification equipment. Mr. Hall also authors Cryogas International’s The Basics column, and is a regular feature article contributor. Mr. Hall graduated from Brigham Young University with a BS in manufacturing engineering technology. He worked for Lockheed Martin for ten years doing research and development of materials and processes for space launch vehicles, followed by seven years at Taylor-Wharton Cryogenics and eight years at Cryogenic Vessel Alternatives. Mr. Hall holds seven US patents.

Edward Hall, PhD, is the general manager, engineering, for GE Transportation. In this role, he leads the diesel engine engineering organization. Dr. Hall spent the first 18 years of his career as a technologist in the gas turbine aircraft engine business with Rolls-Royce in Indianapolis, Indiana. In 2001, he joined the GE global research team in Niskayuna, New York, where he was named global technology leader for physical sciences. In 2006, Dr. Hall moved to GE Transportation and assumed leadership of locomotive engineering, followed by his current role. Dr. Hall is a mechanical engineering graduate (bachelor of science, master of science, PhD) of Iowa State University and is active in auto racing.

Alexander Harsema-Mensonides has been involved with LNG since 1999. He studied economics at the Rijksuniversiteit Groningen and has a bachelor of science in mechanical engineering from the Hanse Polytechnic Institute in Groningen. Since 1993, he has worked in various technical and commercial positions within the marine industry in Europe. In 1999, he founded MPT Consultancy, a marine consulting firm, advising customers such as GE, ABB, and Caterpillar. In 2008, he joined Marine Service GmbH and is currently sales director focusing on LNG as marine fuel, small scale LNG, LNG shipping, and floating LNG.

Scott J. Hartman, PhD, leads Shell’s North American LNG downstream technology program in Houston, Texas. Shell’s LNG downstream business spans a wide range of HHP sectors including marine, mining, drilling, and rail. Dr. Hartman started his scientific career at pharmaceutical giant GlaxoSmithKline where he was responsible for developing a range of blockbuster antidepressant drugs. Later in his career he worked as a strategy consultant in his hometown of London, England, delivering multiple projects for a host of Fortune 100 energy and technology companies. Dr. Hartman joined Shell’s B2B technology business in 2007 and during this time at Shell worked with many businesses in Europe and the US including those in aviation, marine, commercial fuels, and specialized operations. Dr. Hartman studied chemistry at the University of Oxford and holds a doctorate for research into the synthesis of novel drug compounds.

John Hatley, PE, Americas vice president ship power for Wartsila North America, has over 30 years of combined marine experience spanning business development, project management of domestic and overseas vessel construction, owner’s representation, ship operations, and vessel design. Prior to joining Wartsila, he held positions with GE Transportation, Marine Industries Northwest, First American Bulk Carriers, McMullen Naval Architects, US Container Lines, and Trinidad Tankers. Mr. Hatley is a licensed chief engineer with eight years sea experience onboard commercial ships in global trades. He has a bachelor of science from the US Merchant Marine Academy.

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Academy Kings Point, a master of science in engineering from the University of Michigan, and a master of business administration from the University of Washington. He holds positions of trust on various industry and academic advisory boards.

Captain Randolph Helland held senior executive positions over a 32 year US Coast Guard career at the national, regional, and local levels in the areas of marine/port safety, security, environmental protection, and waterways management. Specific positions he held during his Coast Guard career included chief marine safety, security and environmental protection for the ninth Coast Guard district (Great Lakes), captain of the port, Detroit, Michigan; co-chair regional response team for region V (Great Lakes), and co-chair of the US/Canadian joint response team. He is currently regulatory consultant for the Great Lake Maritime Research Institute in Duluth, Minnesota; president of R C Helland Consulting, and Director, US Security Programs, OSI Maritime Systems. He has conducted research for the Great Lakes Maritime Research Institute on LNG as maritime fuel on the Great Lakes and Ohio River. He has also consulted for companies conducting port vulnerability assessments, trade resumption and business continuity plans, environmental audits, marine safety studies, and is currently project manager for navigation system projects around the Great Lakes.

Bruce Hodgins is vice president, partner relationships for Westport and leads the Caterpillar program. Mr. Hodgins joined Westport in 1999 and in 2001 was appointed vice president, business development and led the formation of Westport’s high horsepower (HHP) division. In this capacity he was directly involved in developing a relationship with Caterpillar to co-develop HHP engines with high pressure direct injection (HPDI) technology. Mr. Hodgins relocated to Melbourne in 2011 and was the managing director of Westport Australia. Prior to joining Westport, Mr. Hodgins was involved in the development of alternative fuel retail stations during his time with a Western Canadian fuel retailer. Mr. Hodgins is a co-inventor of the original patents on HPDI technology developed at University of British Columbia in the early 1990’s which were subsequently acquired by Westport. Mr. Hodgins received a bachelor of applied science (honours – mechanical engineering) at the University of British Columbia (Canada) in 1986.

Diana Hopkins is the product definition manager for Caterpillar’s oil & gas group in Houston, Texas. Her role focuses on understanding and utilizing the voice of the customer in defining well service product strategy and ensuring that Caterpillar invests in and develops the best solutions to meet customers’ needs. In the past year, she has played a key role in successfully launching the dynamic gas blending system, Caterpillar’s dual-fuel solution for pressure pumping. She holds a bachelor of science in mechanical engineering from the University of Michigan and a master of business administration from Bradley University and has worked at Caterpillar for nine years.

Odd Magne Horgen is a marine engineer with 40 years of commercial and management experience. He joined Bergen Diesel (BMV-Bergen Mecanical Yards) in 1972 in the marketing and sales department. In 1978 he became responsible for the Far East market and in 1984 was appointed general manager of the Oslo office. In 1987 he was appointed general sales manager for the energy and marine-offshore sections and the licensee department. He became general sales manager for the marine offshore section in 1993. Mr. Horgen was appointed key account manager for the marine sector in 1997 and in 2000 was appointed to...
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meeting today’s safety, reliability, and emissions criteria for both on-road and off-road applications. APG has achieved 208 EPA vehicular engine family approvals and is EPA Memorandum 1A Compliant for 15 stationary engines. As a result, APG is experiencing significant growth in the vehicular, industrial, and oil & gas markets with new inquiries coming from the mining, marine, rail, and military industries.

Stephen Kemp is currently the chair of the Society of Naval Architects and Marine Engineers, Great Lakes & Great Rivers section. He holds a bachelor’s degree in naval architecture and marine engineering from the University of Michigan. He also received a master in electrical engineering from the University of California, Davis. He holds a chief engineer’s license from the US Coast Guard for Steam and Gas Turbines of Unlimited Horsepower. He was employed as a marine engineer at Chevron Shipping Company for almost 30 years, the last 20 as chief engineer. He more recently worked as a commissioning engineer for Michigan Technological University on both the National Security Cutter for the US Coast Guard and the US Navy’s Austal LCS project. He is currently semi-retired and lives near Ann Arbor, Michigan.

Mark Kuhn consults in the off-highway, commercial vehicle, automotive, and energy industries. His expertise includes product development and product development strategy for engines and powertrains, new market entry strategy, product portfolio planning, integrated cost reduction, high-value problem resolution, and technology planning. Mr. Kuhn has worked for Ricardo Strategic Consulting since 2008, where he has been involved in a range of projects related to product, market, and technology trends regarding off-highway and on-highway markets. Prior to joining Ricardo Strategic Consulting, he held various responsibilities in the Ricardo Technical Consulting organization related to engine product development, design, test and analysis. Mr. Kuhn held various positions in the heavy-duty diesel engine industry while at Detroit Diesel Corp. for over 27 years, where he was the director of off-highway engine product development. Mr. Kuhn graduated with a bachelor’s degree in mechanical engineering from Kettering University and a master’s degree in mechanical engineering from the University of Michigan.

Ujjwal Kumar is the general manager of turbomachinery unconventional solutions at GE Oil & Gas. In this role, Mr. Kumar is responsible for driving global growth for high speed reciprocating compressors (HSRs) and unconventional resources products through innovative and strategic partnerships to provide complete solutions for GE customers. Under his leadership, GE Oil & Gas launched its first packaged solution for natural gas refueling, the CNG In A Box™ system. Mr. Kumar joined GE in 2005 in the company’s premier Experienced Commercial Leadership Program (ECLP). While on program, he drove business development in India and then global product strategy at GE Oil & Gas headquarters in Florence, Italy. Mr. Kumar was promoted into his current role based in Houston, Texas in 2011. Prior to joining GE, Mr. Kumar worked for General Motors in strategic development based in Detroit, Michigan. Mr. Kumar earned his master of business administration from the University of Michigan in Ann Arbor and a master’s degree in mechanical engineering from the University of Maryland at College Park. Mr. Kumar holds a bachelor’s degree from the Indian Institute of Technology in Bombay, India.

Martha Lenz leads engine and engine systems design for Electro-Motive Diesel, Inc. (EMD) and is responsible for the design, performance, and emission functions of EMD’s diesel and natural gas.
engines. She joined EMD in 1981 and worked as a project engineer in engine development for over ten years. Since then, she has held positions in all facets of the business including engineering, sales and service, and manufacturing operations. She served as director of quality from 1998 to 2003 and held leadership responsibility for both the engineering and manufacturing of diesel engines. Ms. Lenz graduated from Northwestern University with a bachelor’s degree in mechanical engineering. She received a master’s degree in mechanical engineering from the University of Wisconsin at Madison, and completed a master of business administration at DePaul University in Chicago, Illinois.

Jon Leonard is senior vice president at Gladstein, Neandross & Associates (GNA). He has more than 30 years of experience developing, demonstrating, and testing advanced-technology vehicles and alternative fuels that provide low or zero emissions, including high-profile projects involving lower-emitting diesel engine technologies, AFVs and AFV fueling infrastructure, and hydrogen fuel cell technologies. Before GNA, Mr. Leonard spent 15 years as the director of TIAX’s Transportation and Energy Group in Irvine, California, where he played major roles in the design, development and/or implementation of heavy-duty fleet modernization programs for the San Pedro Bay Ports, the California Proposition 1B Program, the Port Authority of New York & New Jersey Truck Replacement Program, and the Gateway Cities Clean Air Program. He spent nearly 10 years in the Technology Advancement office of the South Coast Air Quality Management District, providing technical and fiscal oversight of cost-shared RD&D projects utilizing low-/zero-emission fuels and mobile source technologies. Mr. Leonard has a bachelor of arts in biological sciences from the University of North Carolina, Chapel Hill and a master of science in environmental studies from California State University, Fullerton.

Dale Lewis currently serves as the director of strategic analysis for CSX Transportation. He focuses on identifying and modeling the processes and economics of technologies, markets, and transportation systems that are likely to have an impact on the company in the next 10 to 15 years. During his career at CSX, he has served as vice president of finance, assistant vice president of labor relations, assistant vice president of CSX Trucking, and assistant vice president of positive train control PMO. Mr. Lewis holds a master of science in transportation from the School of Ocean Engineering at the Massachusetts Institute of Technology.

Bryan Luftglass is the head of strategic market and business development for LNG in Linde’s Energy Solutions group. In this role, he is responsible for driving the profitable growth through strategy development, financial stewardship, as well as market development, product sourcing, monitoring and execution. He joined Linde, then BOC Gases, in 2003 as manager of new business development and was responsible for launching the company’s efforts in Merchant LNG. Prior to joining Linde, he worked for energy, fuel, and environmental technology startup companies and consulting firms in energy, chemical, and environmental business strategy. Mr. Luftglass has a background in the physical sciences and holds geology degrees from Colgate University and the Scripps Institution of Oceanography in La Jolla, California.

Ken MacQuarrie is leading the development of LNG at Parkland Fuel Corporation, the largest independent fuel marketer in Canada. Mr. MacQuarrie’s background in market and product development, along with over 30 years of professional experience in operations, sales, and marketing, provides the skills needed to introduce LNG through the Parkland network. Through its close relationship with Shell Canada, Parkland will be the branded distributor of Shell’s LNG.
from the Jumping Pound liquefaction facility to customers in high horsepower applications. Parkland is especially interested in the oil and gas applications for LNG and recently co-hosted the first LNG for E&P conference held in Calgary, Alberta in May of 2013. Parkland Fuel Corporation is Canada’s largest independent supplier and reseller of petroleum products, delivering gasoline, diesel fuel, lubricants, heating oil and other products to businesses, consumers, and wholesale customers through community-based operators who care.

Grant Madison is the product manager for LNG mobile equipment at Chart Industries in Owatonna, Minnesota. He joined Chart in 2011 as a design engineer and has been involved in developing products to serve the oil & gas industry. His role is to be actively involved with the end users of LNG equipment and to continue to expand and develop equipment solutions to utilize LNG in oilfield applications. Mr. Madison holds a bachelor of science in mechanical engineering from St. Cloud State University, in St. Cloud, Minnesota.

Adam Marks is part of Halliburton’s technology division specifically working in the development, design, and manufacturing of well servicing equipment. He has had a key role in the implementation of EPA compliant engines and equipment designs throughout the transitions of the EPA non-road emissions regulations and helped Halliburton accelerate the early deployment of Tier 4 compliant equipment. This, along with other design efforts, has allowed Halliburton to deliver a fleet with a dramatically lower environmental footprint. Additionally, he has spent time in the research of alternative power sources and fuels and the viability of their use in heavy duty, mobile off-highway well servicing equipment. He currently leads the engineering team responsible for all major equipment components, their applications, and power system designs including industrial powertrains, engines, emissions, heavy duty vehicles, fuels, and fluids. Mr. Marks’ team has recently led the implementation of dual-fuel technology and processes into Halliburton’s equipment and services.

Keith Meyer is a seasoned executive with over 32 years of experience in the international energy industry. Mr. Meyer formed LNG America in 2013 to pursue the use of natural gas in high horsepower applications with an initial focus on the marine segment and the demand concentrations around major ports. He has served in executive positions at Fortune 500 companies, primarily engaged in energy infrastructure development, and was also formerly president of Cheniere LNG when that company developed North America’s largest LNG import terminal. Mr. Meyer earned a master of business administration at Rice University and has served as guest lecturer for Duke University, Louisiana State University, University of Houston, and has been a course instructor for Rice University’s Energy Management Certificate program.

Erik Montague is business development advisor for Shell. Mr. Montague, who joined the company in 2011, currently leads Shell’s business development activities related to liquefied natural gas (LNG) as a locomotive fuel. Prior to joining Shell, he led the business development team at Prometheus Energy Group, an innovative energy company that is credited with various small-scale LNG firsts. Mr. Montague earned a bachelor’s degree in economics from the University of Washington.

David Moses, P.Eng, is the manager, mine support for the Shell Albian Sands operation located in Fort McMurray, Alberta, Canada. He received his bachelor of science from Queen’s University in Kingston, Ontario in mine engineering. Since graduation in 1998,
David has worked in oil sands mining operations primarily in the areas of maintenance, reliability, and technology for extraction and mobile mining equipment. He is coordinating activities to prepare for trials, evaluation, and implementation of LNG powered mining equipment at Shell Albian Sands. David is a member of the Association of Professional Engineers and Geoscientists of Alberta.

David Mumford is senior director, off-road partner development and is responsible for the technical implementation of Westport’s new off-road program initiatives, including Westport’s collaboration with Caterpillar. Since joining Westport in 1999, Mr. Mumford has been actively involved in all areas of Westport technology from light-duty to heavy-duty and high horsepower applications, including different fuels and technologies with numerous OEMs. As part of Westport Innovations’ core engineering group, he has helped the company grow from fewer than 40 employees to more than 900 today. Mr. Mumford has co-authored numerous papers related to Westport technology, covering smart materials (actuators), hydrogen injection, and Westport’s patented high pressure direct injection (HPDI) technology. He also holds several Westport patents in the area of HPDI and mono-fuel injectors. Mr. Mumford received bachelor’s degrees in mathematics and applied science as well as a master of applied science from the University of British Columbia.

Brian Murphy is the engineering manager for the US Division of Ensign Energy Services, one of the world’s leading land-based drilling and well servicing contractors with more than 8,000 employees serving customers in 11 countries. In addition to Mr. Murphy’s management responsibilities, he is Ensign’s advocate for the use of natural gas as a fuel source within Ensign and throughout the oil & gas industry. Mr. Murphy joined Ensign in early 2012 and prior to that was involved in the energy sector developing and leading what is now GE’s solar division. Mr. Murphy’s career has involved management and project leadership on three continents for companies as diverse as Alcoa, Magna International, CH2M HILL, Saint Gobain, Pioneer Electronics, and LG Electronics. Mr. Murphy is a graduate of Michigan Technological University where he earned degrees in mechanical engineering and metallurgy. He is an inventor on ten patents and patent applications.

Shawn Murphy is the leader of Shell’s Downstream LNG asset development group for the Americas and is located in Houston, Texas. The primary focus for his team is post-liquefaction asset development. These assets include refueling stations (commercial, rail and mining), storage facilities, and trans-shipment applications. Mr. Murphy entered the petrochemical industry with Mobil Oil as a pipeline and terminals engineer supporting large scale distribution terminals and Department of Transportation regulated pipelines. Following his time with Mobil, he joined two different construction companies focused on refueling infrastructure for airports and military bases. This role took him throughout the Midwest and East Coast and included a stint in the Caribbean. Subsequently, Mr. Murphy came to Shell in 2008 to lead an engineering organization tasked with aviation refueling responsibility (mobile and fixed facilities) in North America. In his aviation role, he supported engineering efforts throughout North America, the Caribbean and Saudi Arabia. Mr. Murphy is a graduate of the University of Notre Dame and possess a bachelor of science in mechanical engineering.

Dave Myers has been involved with the alternative fuels industry in North America since 1989, specializing in the development and sales of products designed specifically to meet the demanding needs of...
CNG and hydrogen systems. He holds patents for valve and PRD technology for CNG and hydrogen cylinder applications. His more than 30 years of experience with high-pressure gases encompasses a broad range of applications from semiconductor systems to fabrication of vehicular fuel systems. Mr. Myers is a senior member of ISA, the Society of Automotive Engineers, and a past member of several technology committees for CNG vehicles and components. A commercially rated pilot with well over 4,000 hours and having raced a multitude of vehicles, he is well-attuned to all things using fuel.

Scott Nason is the business development manager of LNG rail applications for Chart Industries, concentrating on LNG tender car and tank car opportunities. Prior to this position, Mr. Nason spent several years as a product manager of mobile equipment for Chart, focusing on rail cars, highway trailers, ISO containers, and a variety of cryogenic liquid transportation equipment. He also worked as an engineering manager for Chart’s process engineering division, working on bulk tanks and systems for all cryogenic liquids. Mr. Nason has 30 years of experience in design engineering, product management, and business development of cryogenic liquid systems and transportation equipment.

Erik Neandross is the chief executive officer of Gladstein, Neandross & Associates (GNA), a national consulting firm specializing in the market development of alternative fuel technologies for on-road transportation and off-road high horsepower sectors. Mr. Neandross works with national fleet operators such as UPS, Waste Management, Ryder, Frito Lay, Pepsi, Kroger, Sysco Food Services, City of Los Angeles, and many other organizations to provide strategic planning, financial modeling, and expert technical assistance in the areas of truck and engine technology evaluation; fuel station sizing, design, layout and specifications; maintenance facility modification requirements; personnel training; and overall project costing. Under his leadership, GNA has also helped these companies and others to secure more than $230 million in grants and other resources to assist in the implementation of these projects. More than 3,000 heavy-duty natural gas trucks and several dozen natural gas refueling stations are now in daily operation as a result of GNA’s efforts. In addition to its consulting services, GNA produces two of the nation’s leading conferences on these topics—Alternative Clean Transportation (ACT) Expo, North America’s largest alternative fuels and clean vehicle technologies show, and the Natural Gas for High Horsepower (HHP) Summit.

Nathan Ough, co-founder of Certarus, has seven years of energy investment and finance experience. Most recently, he worked for a multinational investment bank where he was involved not only with domestic assignments but also with international engagements in Colombia, Australia, Singapore, and Malaysia. Prior to transitioning to capital markets, Mr. Ough worked on Canada’s first large-scale LNG import facility and on optimizing refining and marketing capital efficiencies. Mr. Ough holds a bachelor of finance and economics from the University of New Brunswick.

Sean Parker is the project manager for Baker Hughes’ bi-fuel technologies. His time spent prior as an engineer in both the field and research and development relative to hydraulic fracturing and cementing have helped facilitate the integration of natural gas technologies into pressure pumping equipment. As a team effort, Baker Hughes has taken the position to ensure that this technology expands and grows in this industry. Through investing in old and new equipment conversions,
continued development of this technology and exploration of health, safety and environmental benefits, Baker Hughes is committed to be an industry leader in natural gas technologies within the oil field.

**Chad Porter** is a founder and the chief operating officer of the Ferus group of companies. He has worked in the oil & gas industry for over 28 years with leading oil and gas service companies throughout Western Canada. Specifically, Mr. Porter has extensive experience in the well services sector, including cementing, acidizing, fracturing, and coil tubing work. For the past 11 years, Mr. Porter has been responsible for Ferus’ North American operations. He oversees the strategic development of new operational areas, as well as the overall management of Ferus’ current areas of business, including the production, transportation, logistics, and health, safety & environment for Ferus’ product lines. Ferus produces LNG, CNG, Liquid Nitrogen (N₂), and Liquid Carbon Dioxide (CO₂) and specializes in the on- and off-road delivery of these products.

**Chris Pritchard** is the Cummins high horsepower natural gas product manager. He has responsibility for developing product strategies for spark ignition and dual-fuel engines across multiple off-highway markets. Mr. Pritchard is located in Columbus, Indiana. He has experience with natural gas and diesel engines in industrial, on-highway, marine, and power generation markets. His other roles have included program leadership/management, applications engineering, and product development engineering.

**Nick Radean** is sales manager of commercial parts and service for Fairbanks Morse and is responsible for leading parts and service support for the dual-fuel engine installed base in North America. Mr. Radean, who joined Fairbanks Morse Engine in 2009 as manager, customer service has over 10 years of experience in the power generation and systems support and brings diverse leadership to the Fairbanks Morse business. Mr. Radean has a bachelor of business administration from Western Illinois University and is actively involved with several municipal utility associations. Fairbanks Morse, a worldwide leader in diesel and dual-fuel engine technology and manufacturing, provides premium power solutions for a wide range of mission-critical applications including oil & gas, power generation, emergency back-up power for nuclear plants, ship propulsion and shipboard power for the US Navy and Coast Guard, and commercial vessels.

**Jerry Revich**, CFA, vice president, is the covering analyst for the machinery, engineering and construction sectors. Mr. Revich joined Goldman Sachs in 2003 and worked on the energy research team before moving to the industrials business unit in 2006. He earned a master of business administration from the Stern School of Business at New York University specializing in supply chain management, finance, and change management, where he graduated with distinction. Mr. Revich earned a bachelor of science in finance and information systems from New York University’s Stern School of Business where he graduated with distinction, summa cum laude.

**David Ross** is the vice president of demand development for EQT Corporation. He is responsible for developing alternative uses for natural gas. In 2009 he began working on the use of natural gas in the transportation sector and was integral in bringing more than $10M in grant funds to the western Pennsylvania region for CNG fueling stations and vehicles. Recently he has taken on the responsibility of increasing natural gas fuel use in EQT’s drilling and frac operations.

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Applied Natural Gas Fuels, Inc. (ANGF) is pleased to announce that the second production train at its Topock Liquefied Natural Gas (LNG) Plant will come online in July 2014. The mixed-refrigerant cycle liquefier will have a nameplate production capacity of 86,000 gallons per day and will be used to meet growing customer demand. The new train will be located adjacent to the current facility.

Applied Natural Gas Fuels, established in 1995, has grown to be the second largest producer and distributor of LNG in the U.S. ANGF also provides infrastructure and advisory services in LNG and LCNG storage, fueling and delivery systems, and executes turn-key fuel solutions that include equipment leasing, station installations, safety and training, temporary fueling stations, and LNG and CNG consulting services.

Contact:  
Shaunt Hartounian, Vice President Business Development  
Applied Natural Gas Fuels, Inc.  
(562) 546-3065
Matthew Simon is the portfolio manager for the Citadel Global Equities team and analyst on Citadel’s event-driven team. Prior to joining Citadel, Mr. Simon was an associate at Madison Dearborn Partners on their communications investment team and an analyst at Solomon Smith Barney. Mr. Simon currently serves on the board of trustees for The Field Museum and on the board of directors for the Susan Harris Memorial Fund, an organization that funds the psychosocial oncology program at NorthShore University’s Kellogg Cancer Center. Mr. Simon received a bachelor’s degree in accounting with high honors from Lehigh University and a master of business administration from Northwestern University’s Kellogg School of Management.

John R. Snyder is the publisher and editor-in-chief of Marine Log magazine, with more than 30 years’ experience in B2B publishing. He has moderated several conferences and seminars on topics ranging from marine environmental technology and compliance to maritime piracy to tugs and barges. He received his bachelor of arts in English from Brooklyn College, CUNY.

Kurt Sorschak is a co-founder of Xebec Adsorption Inc. and helped develop the company from a local compressed air and gas equipment manufacturer into an internationally active specialty gas treatment company with activities in helium, hydrogen, and carbon monoxide purification, CO₂ separation from natural gas, biogas upgrading, and field gas conditioning. He is active in several industry interest groups including Biogas Quebec, the Canadian Natural Gas Vehicle Alliance, and NGV America. He obtained an associate degree from the American University in Paris, France, and a master of law from the University of Munich in Germany.

Pedro Santos is the founder and chief executive officer of OsComp. He conceived and invented OsComp’s near-isothermal multiphase compression technology while finishing his graduate studies at the Massachusetts Institute of Technology in 2009 and has pioneered additional technological and engineering developments focused on reducing the cost of transporting gas. He has been featured in Compressor Tech Magazine, Chemical Engineering Magazine, and American Gas. Mr. Santos received bachelor of science degrees in engineering from the PUCMM and the Rochester Institute of Technology, and a master of business administration from the Massachusetts Institute of Technology’s Sloan School of Management.

Curtis Rueter is the LNG/CNG development manager for Noble Energy, Inc. In this role, he is responsible for promoting and implementing the use of natural gas as a motor fuel for drilling, pressure pumping, trucks, and other applications within Noble as well as in Noble’s supply chain. Noble’s efforts include approximately 40 CNG vehicles in its current fleet as well as five LNG or dual-fuel drilling rigs and the current demonstration of the use of LNG in pressure pumping applications. Mr. Rueter is also the accountable business leader for Noble’s 100,000 LNG gallon/day plant planned for startup in the second half of 2014. Mr. Rueter serves on the board of NGV America. Mr. Rueter received his bachelor of science in chemical engineering from Texas A&M University.

Dave Schultz joined LNG America in September 2013 where he heads up the company’s commercial and asset activities. Prior to joining LNG America, Mr. Schultz worked for Pivotal LNG, a wholly-owned subsidiary of AGL Resources. During his time at AGL he led several infrastructure projects and their attendant commercial activities. As vice president of fuels, for Pivotal LNG, he was responsible for leading Pivotal, overseeing and developing AGL Resources’ existing liquefied natural gas merchant production. Mr. Schultz has nearly 30 years of experience in the energy industry including senior positions in the power generation and natural gas pipeline industry. Mr. Schultz holds a bachelor’s degree in political science from San Diego State University. He has previously served on the board of directors of the Texas Energy Museum.

Peter Scott is president and chief operating officer of Scott Pump Service Ltd. Mr. Scott joined Scott Pump Service in 2002 following a decade long stint in radio and television broadcasting in the US. His first assignment was to manage the largest refueling system upgrade project ever undertaken in the Alberta oil sands. The project was an industry first fleet wide conversion of mine haul trucks to a safer non-pressurized fueling system. In 2004, Mr. Scott was named regional manager for the company’s entire oil sands division and led his team through two record-setting years for corporate revenue and earnings growth. In 2006, Mr. Scott was named manager over all mining-related activities at Scott Pump Service. It was during this time that he honed his abilities as a skillful communicator and a dynamic leader capable of building profitable relationships with Canada’s leading resource companies. In 2008, Mr. Scott acquired Scott Pump Service from its founder, his father, Mr. Don Scott. Over the past four years, under Mr. Scott’s leadership, Scott Pump Service has nearly quadrupled in size, has opened two new branches, and been recognized as a top employer, top supplier, and one of Alberta’s fastest-growing companies.

Jed Tallman has been with Ferus Natural Gas Fuels since its inception. He is responsible for the company’s market development initiatives in the US. Mr. Tallman has extensive experience in utilizing natural gas as an engine fuel in both high horsepower equipment and on-road light-, medium-, and heavy-duty applications. Ferus is a high-growth company providing complete supply chain integration of both LNG and CNG to the high horsepower segment. Ferus fueled the first ever LNG powered hydraulic fracturing operations in both the US and Canada.

Curtis Rueter

Pedro Santos

Dave Schultz

Peter Scott

Jed Tallman

Matthew Simon

He was responsible for the conversion of EQT’s contract drilling rigs to utilize natural gas as well as working with two of EQT’s completions service providers to utilize natural gas in their operations.

SPEAKER BIOGRAPHIES

Matthew Simon is the portfolio manager for the Citadel Global Equities industrials team in Chicago and is the regional head of Chicago Global Equities. Since joining Citadel in 2004, Mr. Simon has served in a number of roles including portfolio manager for the global equities energy team, capital goods analyst on the global equities industrials team and analyst on Citadel’s event-driven team. Prior to joining Citadel, Mr. Simon was an associate at Madison Dearborn Partners on their communications investment team and an analyst at Solomon Smith Barney. Mr. Simon currently serves on the board of trustees for The Field Museum and on the board of directors for the Susan Harris Memorial Fund, an organization that funds the psychosocial oncology program at NorthShore University’s Kellogg Cancer Center. Mr. Simon received a bachelor’s degree in accounting with high honors from Lehigh University and a master of business administration from Northwestern University’s Kellogg School of Management.

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Aaron P. Trexler is a senior cross-platform product line manager for Waukesha gas engines where he develops and implements the product strategy for mobile oilfield power applications. Mr. Trexler leads cross-functional teams to expand and execute through life product line strategies while monitoring segment trends, developing forecasts, growing share, and product line profitability. He has been with GE for over three years and prior to GE held several positions at Chrysler Group, LLC where he gained valuable experience in manufacturing and new product development, building strategic alliances, and developing and implementing lean manufacturing strategy, policies, procedures, and teams both domestically and internationally. Mr. Trexler has a master of business administration from Indiana University, and a bachelor of science in management from Purdue University.

Sean H. Turner, chief operating officer and partner at Gladstein Neandross & Associates (GNA), provides technical oversight on alternative fuel initiatives, air quality improvement, and vehicular technology for several clients. He has worked in international engineering consulting and government affairs on automotive emissions, alternative fuels, and air quality issues for the past 20 years. Mr. Turner previously served as president of the California Natural Gas Vehicle Coalition (CNGVC). His work established a new regulatory and legislative presence in California through an intensive lobbying campaign, an acclaimed industry newsletter, a website, a natural gas fuel station directory, and an electronic web-based fuel station mapping system. Before managing the CNGVC, Mr. Turner...
spent two years working in Cairo, Egypt, as a compressed natural gas specialist on the Cairo Air Improvement Project (CAIP) designing CNG fuel systems and national safety standards for natural gas transit buses and fueling stations. From 1995 until 1998, Mr. Turner was director of technology for the National Natural Gas Vehicle Coalition (NGVC). In this capacity Mr. Turner managed all technology-related issues for the organization, as well as the development of national safety standards for natural gas vehicles and fueling infrastructure. Mr. Turner earned his bachelor of science in mechanical engineering from Washington University in St. Louis, and his master of business administration from the University of California, Los Angeles.

William Vantuono is editor-in-chief of Railway Age, the oldest transportation trade journal in the world (established 1856). Mr. Vantuono joined Simmons-Boardman Publishing Corporation in July 1992 as assistant editor of Railway Age. He was named managing editor in August 1993, executive editor in January 1996, and editor-in-chief in February 2000. Mr. Vantuono’s first book, All About Railroading, written especially for young adults, was published by Simmons-Boardman Books, Inc., in 2000. The second edition was published in 2006. He is a co-author of Off the Beaten Track, a book by former Railway Age publisher Robert G. Lewis, published by Simmons-Boardman Books in 2004. He is also a contributor to the 1997 Car & Locomotive Cyclopedia and Railway Age’s Comprehensive Railroad Dictionary, and editor of John Armstrong’s The Railroad: What It Is, What It Does, Fifth Edition, all published by Simmons-Boardman Books. A native of Newark, New Jersey, Mr. Vantuono was educated at Rutgers University-Newark College of Arts & Sciences, where he received a baccalaureate degree in theater arts & speech in 1981. In 1988, he received a master’s degree in public media from Montclair State University.

Per Egil Vedlog is the design manager at the Rolls-Royce Marine, Merchant Ship Technology Centre in Ålesund, Norway. He studied naval architecture, ship and offshore technology at Ålesund University College. He has 13 years’ experience as a senior designer for Nordvestconsult AS and two years’ as senior designer for Vickers-Ulstein Marine. For the past 13 years he has worked for Rolls-Royce Marine’s Department of Merchant Ship Technology as design manager and is responsible for new design development. During his 28 years of experience, he has been involved in the development of many different types of vessels, including high-speed vessels, cruise ships, Ro-Ro & Ro-Pax vessels, cruise ferries, container ships, car carriers, general cargo ships, tankers, special-purpose vessels, LNG carriers, LPG carriers, and mega yachts.

James Wicklund graduated from Southern Methodist University with a degree in business and a minor in associated sciences in 1976. He started his career with Western Geophysical Company, working in land and marine operations, data processing and analysis, and interpretation in London, Houston, Milan, and Denver. He has spent the past 15 years as a research analyst covering the oil & gas industry—specifically the oilfield services, equipment, and drilling segments—advising investors on industry outlook, strategy, and sector/company performance. He is now the senior oilfield services analyst for Credit Suisse. He is a member of the Society of Petroleum Engineers, the Society of Exploration Geophysicists, the Petroleum Equipment Suppliers Association, and on boards of the National Ocean Industry Association, the Maguire Institute at Southern Methodist University, Offshore Magazine, and the Dallas Petroleum Club.
Stewart Wilson is vice president, commercial development for Ferus Natural Gas Fuels Inc., a North American leader in the provision of natural gas for high horsepower (HHP) fueling applications. In his role, Mr. Wilson is responsible for bringing to market LNG and CNG production and distribution projects for oil and gas, mining, marine, off-road trucking, industrial and other HHP applications. Joining Ferus in 2006, Mr. Wilson has filled various analytical and commercial development roles in business development, sales and marketing and operations. Most recently, he has played a role bringing liquefied natural gas and compressed natural gas projects to realization across North America.

Carol Wolosz is currently the executive director for the Great Lakes Maritime Research Institute (GLMRI), a research consortium dedicated to developing and improving economically and environmentally sustainable maritime commerce on the Great Lakes. She is responsible for the management and administration of the Institute and oversight of research projects, grants, and reports. Ms. Wolosz is a retired military officer, having served over 22 years in the United States Air Force. She has a master’s degree in procurement management/computer data management and a bachelor’s degree in economics/accounting.

Greg Young is the director, commercial marine business development, located at Cummins’ high horsepower facility in Daventry, United Kingdom. Mr. Young has responsibility for leading business development efforts with particular focus on the commercial transport segment. He has been in the Cummins organization for over 33 years, previously serving as the director of strategy, OEM, and business development for Cummins Westport. Mr. Young held several roles within Cummins Westport, including responsibility for sales and marketing and global customer support in the regions of Europe, Africa, and the Middle East. Prior to Cummins Westport, Mr. Young held a variety of roles within the Cummins organization including European technical operations, automotive sales, European and African distribution management, and quality champion and has previously been located in the US, UK, Belgium, and South Africa.

Anthony Yuen, PhD, is a director at Citi Research and leads the gas and power team within commodities research. He is also responsible for macroeconomic and quantitative strategy on other commodities, particularly oil and coal. Previously, he conducted academic research on energy and emissions, worked at McKinsey in the greater China region, and was most recently part of Constellation Energy’s global commodity group. He received his engineering degree from the University of Toronto and his master of arts and PhD in economics from the University of Pennsylvania. Dr. Yuen is a member of the Society of Petroleum Engineers.

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ABS is one of the world’s leading classification societies and develops standards for the design, construction, and operational maintenance of marine related facilities. Its mission is to serve the public interest as well as client needs by promoting the security of life and property and preserving the natural environment. Within the energy sector, operators have long recognized the unparalleled level of experience that resides within ABS and repeatedly seek assistance with new projects, often pushing beyond known technical frontiers. Specifically within the LNG sector, ABS has developed technology and criteria to address the safety and operational requirements of new generation vessels and offshore terminals. ABS continues to work closely with industry to review new design concepts for the transportation of LNG. An extensive global network of skilled ABS surveyors and engineers is able to provide support to clients from the initial design concept, through the design approval process, during construction, and throughout the service life of the vessel.

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advanceLNG Project
The advanceLNG Project is a GDF SUEZ initiative designed to supply LNG to the greater northeast US using abundant natural gas production from the Marcellus and Utica shale regions. The project is designed to supply LNG to a wide array of customers in multiple industries. GDF SUEZ is currently the leading supplier of LNG in North America. Since selling the first shipment of LNG from our Everett, Massachusetts, terminal in 1971, we’ve grown to serve many of the key power producers and natural gas utilities in New England through pipeline deliveries and approximately 10,000 LNG tanker truck deliveries each year. As the demand for LNG as a clean fuel source increases, GDF SUEZ is continuing to build its reputation for developing reliable, flexible solutions that meet the energy needs of a growing and diverse customer base.

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ACSF is an independent nonprofit working for cleaner energy in the US transportation and power sectors. We believe that renewables, natural gas, and efficiency can all help to reduce harmful pollution and improve our country’s energy security. It is essential, therefore, that natural gas be produced in a safe and environmentally responsible manner. To advance these goals, the Foundation focuses on large scale fuel switching in the electric power sector based on innovative regulatory and business initiatives. It also promotes alternative fuel vehicles using public policy tools and demonstration projects. The Foundation’s projects are supported by a wide range of educational programs, including white papers, conferences, workshops, films, videos and web sites. Follow us on Twitter: @cleanskiesfdn.

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American LNG Transportation & Fuels, LLC (American LNG) is a LNG provider targeting high horsepower (HHP) engine applications in the oilfield sector. We serve customers in the over-the-road transportation, mining, marine, rail, and industrial markets. Our turnkey LNG fuel solutions help customers decrease fuel costs by as much as 50% versus diesel fuel costs. American LNG offers an A-Z solution in converting any HHP motor to dual-fuel. American LNG offers a wide range of services from installation of dual-fuel systems, regas/vaporizer equipment rental, LNG distribution and transportation, as well as the ability to customize customer projects and assist them with running a cleaner and more efficient operation. American LNG is a Texas company with operations in Beaumont, La Porte, and Fairfield, Texas, with operations opening in Q3 2013 in South and West Texas.

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www.americanpowergroupinc.com

America’s Natural Gas Alliance (ANGA)
Representing North America’s largest independent natural gas exploration and production companies, America’s Natural Gas Alliance works with industry, government, and customer stakeholders to ensure continued availability and to promote increased use of our natural gas resources for a cleaner and more secure energy future.

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ANGI designs safe, reliable, CNG fueling equipment with low overall life-cycle costs and provides superior customer support, application engineering, project management services, and training programs that ensure successful installation and operation. ANGI is a respected, US-based, family-owned company that develops, manufactures, and delivers custom turnkey CNG fueling systems and solutions worldwide. ANGI combines the industry’s most comprehensive line of products, from compressors and distributed control systems to dispensing units and fuel management systems. At every phase of a project, talented and knowledgeable professionals share their specific expertise to find the solution best suited to each customer. ANGI has been dedicated to hard work, quality, and the advancement of the CNG industry for over 28 years. From application engineering to installation and beyond, ANGI will provide fueling solutions as unique and innovative as each business.

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www.altlng.com

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www.cngva.org

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www.federalmogul.com

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www.ferus.ca

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www.gls-corp.com

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www.gladstein.org

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www.glmri.org

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www.gfes.com

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www.green-marine.org

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Highway H2O is an alliance of transportation stakeholders in the Great Lakes / Seaway System region, working to develop business and deliver greater awareness about the System locally and internationally. Working with its members and partners in a stewardship capacity, Highway H2O leverages its collective knowledge about the System to offer innovative services and incentive programs to ensure the System remains a competitive gateway into the future.
www.hwyh2o.com

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INOXCVA
Part of a $2 billion group of companies, INOXCVA manufactures a complete range of products for cryogenic liquid storage, distribution, and vaporization. Equipment is custom engineered for LNG, LIN, LOX, and LAR service and is optimized for the customer’s application. Products offered include transport trailers, railcars, horizontal and vertical bulk tanks, micro-bulk trucks, customer stations, and more. INOXCVA’s LNG division is rapidly expanding to support the increased market demand for LNG equipment and infrastructure solutions. As businesses and municipalities move to alternative fuels such as LNG to reduce operating expenses and meet air quality goals, INOXCVA is helping to expand their refueling capabilities by providing mobile LNG refueling equipment in addition to bulk LNG storage tanks and transport trailers to support the initial installation and ongoing operation of permanent LNG fueling stations.

www.cvatanks.com

Interstate-McBee
Interstate-McBee leads the aftermarket for engines fueled by natural gas, CNG, LPG, landfill, or digester gas. Offering coverage for Cummins®, Caterpillar® and Waukesha® engine applications, we service engines from 3.9L Cummins® all the way through 3500 and 3600 Caterpillar®. We offer quality replacement parts for the VGF and VHP series Waukesha® engines.

www.interstate-mcbee.com

IPD
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availability that customers expect. IPD’s relationship with engine owners and rebuilders worldwide has resulted in innovative products that help distributors solve problems for engine owners. IPD offers more than just parts. We offer industry-leading service from the most knowledgeable regional managers in the industry, and support from IPD-owned distribution locations worldwide. IPD’s product line offers coverage for natural gas and diesel, older and newer model application Caterpillar®, Cummins®, Detroit Diesel®, and Waukesha® engines. Additionally, the Martin Wells brand of high-value valvetrain has joined the IPD family and currently features valves and seat inserts for automotive, trucking, industrial, and motorcycle industry engines.

www.ipdparts.com

JC Carter, LLC
JC Carter is the leading global provider of quick-disconnect LNG nozzles. Drawing on 50 years of cryogenic innovation, the industry standard 50GPM nozzle with Ice Breaker technology delivers a rapid fueling cycle for the heavy truck industry. Anticipating the need for much higher flow capacity in the high horsepower market, JC Carter is introducing a production 400GPM nozzle for high horsepower applications. This game-changing product has been successfully field-confirmed in the tanker truck environment and is backed by a high performance team of industry professionals committed to high quality products, responsive delivery, and extraordinary field service.

www.jccarternozzles.com

J-W Power Company
J-W Power Company is a premier manufacturer and supplier of CNG fueling equipment. We offer natural gas refueling solutions designed to provide our customers with safe, reliable, and scalable fueling systems. With over 40 years of experience in the gas compression industry, J-W Power Company offers unparalleled experience and product support. Our presence as a service company in the oil & gas industry allows us to offer unmatched customer support and maintenance services. Founded in 1960, J-W Power Company is still family-owned and operated. J-W Power Company is a proud American company and our equipment is manufactured in the US.

www.jwenergy.com/home

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Kato Engineering offers products that focus on market application. These include petroleum, gas & steam turbine, diesel & gas prime mover, power conditioning, traction, government and defense, nuclear, and data centers. For each market, we are able to propose low, medium, and high voltage, 50 & 60 Hz, three phase (optional six phase) 4, 6, 8, 12 pole, from 200 kW to 25 MW power solutions. KATO™ alternators are designed with a special insulation system to guarantee high opposition to chemicals and moisture that ensures a long generator life. In addition, adapted enclosures and high-efficiency designs allow us to provide a customized solution to almost any request. www.kato-eng.com

Linde North America
Linde North America is a member of the Linde Group, the world’s leading industrial gases company. Our offerings include turnkey supply of LNG fuel, LNG fueling equipment and on-site services for customers. Linde has over 130 years of experience supplying liquefied and compressed gases, as well as engineering solutions. We offer unparalleled expertise in the areas of cryogenic product supply, LNG fueling technology, safety, and technology and engineering. We make over 1,000 deliveries per day of cryogenic products across North America using world-class logistics. www.lindelng.com or www.linde-us.com

Ludeca, Inc.
Ludeca is a leading provider of preventive, predictive, and corrective maintenance solutions including laser/coupling shaft alignment, pulley alignment, bore alignment, straightness and flatness measurement, monitoring of thermal growth, online condition monitoring, vibration analysis, and balancing equipment as well as software, services, and training. We offer stainless steel shims and induction heaters for proper mounting of bearings. Please contact us at info@ludeca.com or 305-591-8935. www.ludeca.com

MAN Diesel & Turbo
MAN Diesel & Turbo, based in Augsburg, Germany, is the world’s leading provider of large-bore diesel engines and turbomachinery for marine and stationary applications. It designs two-stroke and four-stroke engines with power outputs from 47kW to 97MW. MAN Diesel & Turbo also designs and manufactures gas turbines up to 15MW, steam turbines up to 150MW, and compressors. The product range is completed by turbochargers, CP propellers, dual-fuel and gas spark ignited engines up to 18.9MW for natural gas and LNG, engines for locomotives, and chemical reactors. MAN Diesel & Turbo’s range of goods includes marine propulsion systems and turbomachinery units, as well as turnkey and CHP power plants. Customers receive worldwide after-sales services marketed under the MAN PrimeServ brand. www.mandieselturbo.com

Marine Log
Marine Log is written for management and professionals in technical management of private firms in naval and marine architecture and for marine engineering consultants. The publication provides marine industry professionals the information they need in order to design, build, and operate vessels, rigs, and offshore structures. www.marinelog.com

Marine Service GmbH
Hamburg-based Marine Service GmbH is the world’s leading marine LNG consultant, with more than 40 years of experience in LNG as cargo and LNG as fuel. Marine Service provides a wide range of LNG consultancy services and LNG as marine fuel solutions for marine applications, from inland vessels to ocean-going ships. From feasibility study to turnkey LNG fuel solutions, Marine Service is your partner in LNG as marine fuel projects for both new buildings and conversion of existing ships. Marine Service provides LNG as marine fuel solutions based on LNG storage onboard in removable 40’ ISO LNG fuel tank containers or in fixed tanks, whatever your requirements. Safety, operability, reliability, maintainability, and cost-effectiveness of the LNG fuel system define the Marine Service solutions for your vessel. Our experience is your advantage. www.marine-service-gmbh.de

MicroLNG
MicroLNG provides custom-designed well gas cleaning skids for remote drillers as well as small-scale natural gas liquefiers for all sources of methane including biogas, well gas, pipeline, and digesters. Through fuel contracts, MicroLNG can provide equipment at no upfront cost to the customer. Liquefaction can be performed anywhere in the world using electricity, liquid nitrogen, or a combination of the two. Small systems are surprisingly economical to operate and can create value from a waste or stranded gas source. MicroLNG can also provide installation, operation, and maintenance services in addition to equipment. MicroLNG and partners can convert your diesel rig or vehicle fleet into a money-saving hybrid system at no cost to you through a fuel supply contract. Contact us today to see how much money your company can save by reducing consumption of diesel. www.microlng.com
Micron Industries Inc.
Micron Industries Inc. of Red Deer, Alberta, Canada, specializes in LNG stainless steel high pressure hose and cryogenic vessel service. The owner and president, Paul Pyne, started Micron Industries Inc. with a wealth of personal experience gained by operating, servicing, and repairing cryogenic CO2 and high pressure hydrogen tube trailers. Micron Industries Inc. is proud to offer their customers services such as in-house fabricated stainless steel LNG hoses, custom design high-pressure cryogenic pumping equipment builds, LNG vacuum-insulated jacketed piping, and vessel repair. Micron Industries Inc. prides itself on delivering innovative, reliable, and trustworthy services in the liquid natural gas industry. Let us be your first choice in designing, fabricating, and constructing your LNG needs.
www.micronindustries.ca

MIRATECH
MIRATECH is a leading provider of cost-effective, reliable, and mission-critical emission solutions for natural gas and diesel reciprocating engines used in natural gas production, oil & gas drilling, power generation, rail, marine, and fluid pumping. MIRATECH provides engine exhaust emission solutions for NOx, CO, VOC, diesel particulate, HAPs, and noise reduction with products such as NSCR, SCR, and DPF catalysts, silencers, and control systems. Solutions for customers feature state-of-the-art technology that leverages a strategic partnership, proprietary intellectual property, and an engineering-driven organization with a specialty that can focus on challenging higher specification projects requiring greater customization. The sales operations group provides end-to-end project management support, including initial understanding of customer needs, engineering designs/drawings, procurement, fabrication, logistics, installation support, integration, training, and post-sale service.
www.miratechcorp.com

Mitsubishi Engine North America
Mitsubishi Engine North America (Mitsubishi) is the North and South American distribution and sales center for Mitsubishi industrial and marine diesel and natural gas engines as well as their related parts. Located in Addison, Illinois, this facility reinforces Mitsubishi’s commitment to the North and South American markets. Whatever
your requirements, rest assured that our dedicated teams in both our Addison office and at our headquarters in Japan stand behind all of our products with absolute determination to maintain top-ranking quality. Mitsubishi offers a comprehensive line of diesel engines spanning from 10-3000 hp to natural gas engines up to 1.5MW. We understand that customers are the driving force behind our products. We also understand that no two customers are alike. Through personalized service and dedication to total support, we do what it takes to create empowered customers. That’s what separates a supplier from a business partner. That’s empowerment!

www.mitsubishi-engine.com

Monico Monitoring, Inc.
Monico Monitoring, Inc. (Monico) is known worldwide for providing superior communications products and technical assistance across the industrial marketplace. Monico has long been a leader in CAT® equipment communication and control due to its exclusive ability to communicate across CAT® Data Link, and has expanded into the Cummins® market in recent years through close collaboration with Cummins® dealers. Monico also works with Kohler, John Deer, and Wartsilla engines. System integrators worldwide utilize Monico products with confidence because of a reputation for hassle-free, end-user support. Monico’s products come pre-configured for simple set up and use and can be customized using the exclusive software, MoncioView, which comes standard on every Gateway. Through the use of Monico Gateways, industrial engine users are offered simple, powerful solutions for remotely monitoring and controlling gensets and engines, and the ability to predict, and prevent, downtime is an easy option for the industrial engine market.

www.monicoinc.com

National Driller
National Driller magazine is the best read publication among drilling and water supply professionals in all sectors of drilling. That includes contractors in water wells, geothermal, foundations, mining, energy, and other markets as well as the manufacturers and distributors that serve them. Our mission is to offer useful, timely, and accurate information to our readers to help them make critical business decisions. Visit National Driller on Facebook and Twitter.

www.nationaldriller.com

Society for Gas as a Marine Fuel (SGMF) established
New non-governmental organisation (NGO) to promote safety and industry best practice in the use of LNG as a marine fuel

• SGMF seeks to promote safe and responsible operations for both LNG-fuelled vessels and LNG bunker supply logistics
• SGMF was formed as a sister NGO to the Society of International Gas Tanker and Terminal Operators (SIGTTO)
• SGMF seeks to develop and disseminate industry best practice advice and guidance amongst its members
• SGMF membership is open to all stakeholders involved in the LNG bunkering supply chain
• SGMF seeks to promote best practice criteria to all with responsibilities for, or an interest in, the use of LNG as marine fuel
• SGMF members will range from bunker suppliers, shipowners and bunker barge operators to port authorities and regulators

For further information on becoming a member of the Society for Gas as a Marine Fuel, please contact SGMF via: Email office@socgmf.org or through the website www.socgmf.org
North American Oil & Gas Pipelines
North American Oil & Gas Pipelines covers the business of pipeline construction and maintenance and serves the following industries: pipeline construction, pipeline maintenance, engineering, government/regulatory, equipment manufacturer/supplier, gas transmission pipelines, gas distribution, and oil pipelines, as well as others involved in the business of pipeline construction and maintenance.
www.napipelines.com

OEM Off-Highway
OEM Off-Highway magazine enjoys a unique niche audience reaching the entire product development team at mobile off-highway and heavy-duty on-highway original equipment manufacturers (OEMs). 16,000 engineers, manufacturing and purchasing agents, and corporate and operations team members ask to receive our magazine for our in-depth, multi-sourced, and unbiased editorial content. Product development professionals look to us to deliver the latest coverage of technological advancements and industry trends. Our website offers expanded coverage and online exclusives to manufacturers looking for product development solutions for the mobile equipment market. Engineers and purchasing managers looking to spec engine systems during the design process can use OEM Off-Highway’s online, interactive, engine spec guide.
www.oemoffhighway.com

OsComp Systems
OsComp focuses on enhancing the value of natural gas by reducing transportation and storage costs through innovative and proprietary technology-enabled solutions. The company’s three core businesses are compressor technology, virtual pipelines, and nanotechnology. Its near isothermal compressor technology is a lower cost solution for producing wet gas. Its CNG virtual pipeline solutions enable a safe, cost-effective streamlined end-to-end delivery system that allows customers without access to a pipeline to transition to low-cost natural gas as an energy source. Its nano-structured graphene and polymer materials were developed for storage and molecular separation and to enable new natural gas applications. OsComp is headquartered in Houston and currently operates in Texas, Oklahoma, New York, Maine, Massachusetts, and Alberta.
www.oscomp-systems.com
Perma-Pipe
Perma-Pipe is the largest manufacturer of pre-insulated and containment piping systems in North America. These systems are offered with many options of service pipe materials, insulation types, outer pipes and waterproof jackets. We also offer state of the art electronic leak detection and location systems when critical services must be monitored for environmental safety. For the LNG industry, we offer highly efficient pre-insulated cryogenic piping for onshore LNG plants, and pipe-in-pipe containment systems for LNG and fuel gas piping systems onboard ships. Ship piping systems are designed and manufactured to comply with ABS specifications. For natural gas we offer pre-fabricated pipe-in-pipe solutions where containment is required for safety or environmental reasons.
www.permapipe.com

Pivotal LNG
Pivotal LNG, Inc. is at the forefront of bringing abundant, American, and affordable liquefied natural gas to companies and industries across the country. As an economic and environmentally friendly fueling alternative, natural gas is transforming the nation’s energy landscape and Pivotal LNG is leading the way with more than four decades of experience in LNG production, delivery and transportation. Pivotal LNG is a wholly-owned subsidiary of AGL Resources Inc. (NYSE: GAS), a company that meets the energy needs of millions of US households and businesses with operations in natural gas distribution, retail operations, wholesale services, midstream operations and cargo shipping. AGL Resources owns and operates five LNG facilities and is the largest producer of LNG in the United States. Pivotal LNG provides a unique value proposition to companies with high fuel-use applications by designing reliable, flexible, and cost-effective LNG solutions for today and tomorrow.
www.pivotallng.com

Professional Mariner
Professional Mariner was founded in 1993 to serve owners and operators of commercial maritime vessels of all types in the US and Canada. The magazine includes maritime casualties, industry news, and features about vessels and their operators. Professional Mariner emphasizes safety and maritime efficiency issues as well as technical, economic, and regulatory development.
www.professionalmariner.com

Progressive Railroading
Progressive Railroading serves railroads, rail transit systems, private car lines, car, and locomotive builders, industry associations, consultants and contractors [rail and rail transit], utility and energy companies, car and locomotive repair shops, shippers, intermodal, financeleasing companies, government, suppliers, and others allied to the field.
www.progressiverailroading.com

Prometheus Energy
Prometheus Energy (Prometheus) is one of the largest and fastest growing suppliers of LNG to the industrial sector in North America. Prometheus provides turnkey fuel solutions to convert industrial users of diesel, propane, and other crude-derived fuels to clean, domestic, secure LNG, reducing their fuel costs and environmental footprint. The company is vertically integrated from LNG production through logistics, distribution, onsite equipment, and field support. A pioneer in the industrial LNG market, Prometheus is recognized for its industry leadership. Prometheus is privately held by Shell Technology Ventures Fund 1 B.V. and Black River Asset Management, LLC, a wholly owned but independently managed subsidiary of Cargill.
www.prometheusenergy.com

PSB
PSB Industries, Inc. (PSB) specializes in air and gas dehydration and purification technologies. PSB packaged systems remove moisture and contaminants from natural gas, hydrogen, CO2, etc. PSB “NG” series dryers are specifically designed for natural gas fueling stations and are available in wide range of single vessel or dual vessel sizes and configurations to suit each application. As gas supply pressure varies, PSB’s typical dryer pressure options range from 200 to 1250 psig maximum working pressures. The dryers are designed and manufactured in Erie, Pennsylvania, with certified quality system meeting ISO 9001:2008.
www.psbindustries.com

REV LNG
REV LNG is a full service “well to wheel” distributor of LNG. We are innovators and experts in all facets of the LNG supply chain. We have the experience to make LNG a reality for on- and off-road applications. REV LNG sources, transports, and delivers LNG to a customer’s home yard [private mobile fuel station] for a simple price per gallon that covers the entire logistical supply chain. We own all of the equipment and there are no hidden fees or charges. We also have the ability to construct, own, and operate private/public LNG and CNG fuel islands.
www.revlng.com
Ricardo, Inc.
Ricardo is a global, world-class, multi-industry consultancy for engineering, technology, project innovation and strategy. With a century of delivering value, we employ over 1,900 professional engineers, consultants, and staff. Our people are committed to providing outstanding value through quality engineering solutions focused on high efficiency, low emission, class-leading product innovation and robust strategic implementation. Our client list includes the world’s major transportation original equipment manufacturers (OEM), supply chain organizations, energy companies, financial institutions, and governments. Guided by our corporate values of respect, integrity, creativity, innovation, and passion, we enable our customers to achieve sustainable growth and commercial success. Ricardo’s US operation, Ricardo Inc., is headquartered in Van Buren Township, Michigan. www.ricardo.com

Rolls-Royce
The Rolls-Royce marine business is a global leader in marine propulsion, engineering, and hydrodynamic expertise, with a broad product range and full systems integration capability. Rolls-Royce offers a product portfolio ranging from vessel design and gas turbine engines to propulsion systems and deck handling equipment. lng.rolls-royce.com

Schwob Energy Services
Over the past four decades, Schwob has been building quality facilities for our valued customers in the US and abroad. Schwob has five key groups: energy services, building company, steel structures, international, and Basra industrial community. Within the energy services group, Schwob’s fueling division offers turnkey design, procurement and installation of mission critical, life critical, retail and commercial fueling, industrial, CNG, LNG, bulk storage, lubricant, and chemical systems. Additionally, Schwob, through its affiliate Fuelogix, provides fuel and data management services. Fuelogix Data Management System (DMS) integrates a cloud database with various industry leading data gathering technologies. The DMS enables users to remotely access data, including fuel transaction information and onboard engine diagnostics and trouble codes among other data options using internet enabled devices. www.schwob.com/energy_services

Shell
Shell is a global group of energy and petrochemicals companies with approximately 90,000 employees in more than 80 countries and territories. We are the leading international oil company in the LNG industry and our capabilities span the full LNG value chain. From floating LNG to small-scale liquefaction, our innovative approach ensures we are ready to help tackle the challenges of the new energy future. www.shell.com/home/content/innovation/meeting_demand/natural_gas/lng

Smith Power Products/GE Jenbacher
In 1985, M.B. Smith acquired ownership of Smith Detroit Diesel-Allison and thus began the company’s evolution to Smith Power Products. Through tireless efforts of the employees and significant customer loyalty, the decade ended with construction of a new state-of-the-art facility in Salt Lake City in November of 2000. In 2004, Smith proudly accepted the challenge of representing the GE Jenbacher product line in Utah, Idaho, Montana, Wyoming, Washington, Arizona, Nevada, North Dakota, South Dakota, Oklahoma, Texas, Nebraska, Colorado, Kansas, Missouri, New Mexico, and the Country of Mexico. This additional product line has given Smith Power Products the opportunity to broaden our power generation market impact by selling and supporting gas-fueled prime power applications. Serving an impressive customer base, we support significant mining entities; major oilfield drilling contractors; E&Ps and servicing companies; some of the country’s premier transportation companies; and various city, county, state, and federal agencies. www.smithpowerproducts.com

Society for Gas as a Marine Fuel
SGMF has been established to encourage the safe and responsible operations of vessels using LNG as fuel and all marine activities relating to the supply of LNG used for fuel; to develop advice and guidance for best industrial practice among its members; and to promote criteria for best practice to all who have responsibilities for, or an interest in, the use of LNG as marine fuel. LNG carriers using cargo boil-off gas for fuel are not included within the scope of the new Society’s area of responsibility but the use of any other liquefied gas as a ship fuel is. In advocating measures to enhance safety in the use of LNG as fuel for shipping internationally, SGMF will represent the interests of its members at the International Maritime Organization (IMO) once its NGO status is formally recognized by that body. It will consult with IMO, government agencies and other non-governmental organizations in exercising this principal role. www.socgmf.org

Society for Naval Architects and Marine Engineers—Great Lakes Great Rivers Section
The Society of Naval Architects and Marine Engineers was organized in 1893 to advance the art, science, and practice of naval architecture, shipbuilding, and marine engineering. For over a century, members
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have included commercial and governmental practitioners, students, and educators of naval architecture, shipbuilding, and marine and ocean engineering. The Great Lakes & Great Rivers Section includes the states of Minnesota, Wisconsin, Michigan, Indiana, Ohio, Iowa, Missouri, Arkansas, Kentucky, Kansas, Tennessee, West Virginia, that portion of the state of New York which borders the Great Lakes, and that portion of Pennsylvania which borders the Great Lakes and the Ohio River.

www.sname.org/GreatLakesGreatRiversSection

Stitt Spark Plug Company

A special strength offered by Stitt is its wholly self-sufficient and flexible manufacturing capabilities. At its facility in Conroe, Texas, Stitt manufactures virtually every principal component of its spark plugs including our high-alumina ceramic insulators. At this one site, virtually every imaginable manufacturing process is being performed in a production mode. Stitt also focuses on the training of engine operators with our “Spark Plug 101” course. We prefer a hands-on exercise at an engine site, involving a reference installation of Stitt spark plugs and ignition accessories. Stitt has always provided this training, freely, in the field, worldwide, “from Houston, Texas, USA to BeiBei, China and all points in between.” In addition, Stitt also routinely provides classroom training for numerous companies, including Ajax, Royal Dutch Shell, and Western Gas. We welcome you to visit us at Booth 818.

www.stitt-sparkplug.com

Taylor Wharton Cryogenics, LLC

Taylor Wharton (TW) was founded in 1742 and is the oldest metal-working company in continuous operation in the US. The company produces a comprehensive range of LNG storage tanks and LNG fueling systems for almost any application. The TW LNG Tank product menu includes vertical and horizontal stationary cryogenic storage vessels from 1,500 gallon to mega-sized 265,000 gallon capacities. Our ability to engineer and manufacture custom bulk tank designs for a comprehensive range of individual customer requirements is unparalleled. With a global sales and product support team, along with the company’s ISO9001 approved manufacturing facilities in the US, Malaysia, China, and the Slovak Republic, TW is strategically positioned to support the world’s LNG markets.

www.taylorwharton.com
**Thigpen Energy, LLC**
Thigpen Energy, LLC is dedicated to being the leading North American oil & gas exploration and industrial natural gas fuels service provider. Our focus on LNG and field gas applications for drilling and pressure pumping operations is the driving force behind our continued efforts to increase the use of natural gas for high horsepower fueling. This effort is also combined with our goal of being an industry leader in oil & gas site automation. Thigpen Energy, LLC strives to achieve the highest level of customer satisfaction possible while also focusing on maintaining a comprehensive safety program.

www.thigpenenergy.com

**WesMor**
WesMor Cryogenic Companies are growing cryogenic manufacturing and repair companies dedicated to our core values: building long-lasting relationships with our customers by providing quality design and workmanship, timely scheduling, fair pricing, and outstanding customer support. Founded in 1998 as a cryogenic equipment repair shop, WesMor continues to grow and currently has rehab facilities in three states and manufacturing facilities and company headquarters in La Porte (Houston area), Texas. WesMor Cryogenics’ repair shops are located in La Porte, Texas, Slidell, Louisiana, and a newly opened facility in Port Washington, Ohio. WesMor products include cryogenic transport trailers, truck-mount tanks, micro bulk, off-shore skids, 20-foot ISO/IMO containers, and queen mobile storage trailers. LNG products include transport trailers (with or without pump), a 40-foot ISO/IMO container, and mobile LNG fueling stations. Soon to be released products include a dual ISO container/skid mounted LNG fueling station, and LNG vaporization/regasification equipment.

www.wesmor.com

**Westport Innovations**
Westport engineers the world’s most advanced natural gas engines and vehicles, but more than that, we are fundamentally changing the way the world travels the roads, rails, and seas. We work with original equipment manufacturers (OEMs) worldwide from design through production, creating products to meet the growing demand for vehicle technology that will reduce both emissions and fuel costs. For global...
heavy off-road applications, Westport and Caterpillar are collaboratively developing large mine trucks ("LMT’s") to operate on LNG to provide significant operating cost and emission savings to mine operators around the globe. In addition, Westport offers the Westport LNG Tender, a product solution for the rail sector. The increasingly stringent regulations in the marine sector and the need to reduce operating costs in the exploration and production sector also create a strong demand for natural gas products in these industries.

www.westport.com

Worldoils
Worldoils is a company that combines the power of marketing as well as in-house expertise for the oil, gas, offshore and maritime industries. Worldoils’ web portal, www.worldoils.com, has become a truly central platform for visitors who need information regarding oil and gas products and services, research, training, conferences, news, and events as well as a popular advertising base for providers of oil, gas, marine and offshore services. Worldoils has also launched the jobs system and a marketplace. In the recent months, Worldoils has strengthened its position as a fast-developing central place for the buying and selling of land rigs, offshore rigs, barge rigs, and other oilfield and subsea equipment.

www.worldoils.com

Xebec
Xebec specializes in the design and manufacture of cost-effective, environmentally responsible purification, separation, dehydration, and filtration equipment for gases. Xebec’s four main product segments are: 1) associated gas purification systems used to convert diesel engines to natural gas on drilling sites; 2) biogas plants, purification of biogas from agricultural digesters, landfill sites and waste water treatment plants; 3) hydrogen purification systems for steam methane reformers, refinery off gases and other sources; and 4) natural gas dryers for NGV refueling stations. Founded in 1965, Xebec has over 40 years of experience in adsorption technology, the foundation of all of Xebec’s systems. To date, Xebec has supplied more than 8,000 adsorption systems to more than 1,300 customers worldwide. Xebec is committed to protecting the environment and contributing to a sustainable future and integrating economic growth with social and environmental responsibility is at the core of Xebec’s values.

www.xebecinc.com

HHP Insight provides original, first-to-your-desk market intelligence on natural gas projects for high horsepower applications, natural gas engine developments, innovations in fueling, LNG production supply, and distribution opportunities. New articles are posted daily and delivered right to our readers’ inboxes via our engaging bi-weekly e-newsletter.

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Join us in Southern California—the epicenter of AFV market development for the past 20 years—for two leading conferences, ACT Expo 2014 and NGV Global 2014. Joining North America’s largest alternative fuel and clean vehicle technology show with the world’s leading natural gas vehicle conference will result in the largest gathering of clean transportation stakeholders that North America has ever seen! The week-long program will feature fleet-focused educational sessions, off-site tours, advanced technology training, an AFV ride-and-drive, and a packed Expo Hall. Register today!

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