

# **Gas Machinery Research Council**

**Research • Training • Technology**

## **REPORT TO MEMBERS**

**December 2011**

The [Gas Machinery Research Council](#) enjoyed a successful year in 2011.

### **Highlights**

- Developed a new research model (two new research partners in 2011)
- Launched a new interactive website
- Completed an online library of technical papers and reports dating back to 2000
- Implemented online registration for workshops and conferences and online booth selection for GMC exhibitors
- Launched a quarterly electronic newsletter
- Added three new operating member companies and six new associate member companies

### **Gas Machinery Conference**

The [Gas Machinery Conference](#) attracted over 1,100 attendees to this year's Conference held in Nashville. The Conference includes a wide range of short courses, technical papers and technology updates, presented by the industry's leading subject matter experts. The conference also includes a vendor exhibit with over 120 companies showcasing the latest equipment, technology and services. Click on one of the following publications to see what happened at the GMC each day:

- [GMC Today - Monday](#)
- [GMC Today - Tuesday](#)
- [GMC Today - Wednesday](#)

Mark your calendars to attend the 2012 Conference in Austin (September 30 – October 3).

### **Research**

The Project Supervisory Committee (PSC) selected the following projects to be included in the 2011 research program:

- GHG Emission Factor and Emission Estimation Improvement Project
- PRCI-GMRC Waste Heat Recovery Project
- High Speed Compressor Package Design Specifications and Guideline
- Solutions to Mechanical Vibration Issues

Project status, budget, and other commentary about each of these projects can be

accessed in the [GMRC Annual Meeting Report](#) (slides 9-36).

The 2012 Research Program is outlined in the [GMRC Annual Meeting Report](#) (slides 47-69).

## Training

It's has been a busy year for training as well. In addition to providing much needed training for the industry, revenue generated through workshops helps provide additional funding for research projects approved by the PSC. Following is a list of GMRC workshops conducted in 2011:

- [Factors in Compressor Station Design](#)
- [Combustion Characteristics: Problem Solving and Best Practices](#)
- [Foundation Design & Repair / The Bolted Joint](#)
- [Applied Principles of Engines and Compressors](#)
- [Applied Principles of High-Speed Engines and Compressors](#)
- [Engine Analyzer and Reliability Workshop](#)
- [Introduction to Gas Turbines and Centrifugal Compressors](#)
- [Compressor Station Vibration and the Impact on Performance, Cost & Reliability](#)  
(New workshop developed by a industry task force led by El Paso, Beta, Ariel and ACI)
- [Gas Machinery Conference](#)
- [Engine Emissions/ Stack Testing & Analyzer Workshop](#)

Most of these workshops will be hosted in 2012 in addition to other new workshops under development. Visit the [GMRC website](#) for the most current list of GMRC events and information.

## Finances

- The 2011 Year End Estimate (as of October 2011) of receipts over disbursements was a favorable 95,000
  - The 2011 summary report can be accessed in the [GMRC Annual Meeting Report](#) (slides 41-46)
- The 2012 budget includes an increase in research spending (394,600–2012 vs.191,000–2011). Additional funding for this increase includes an approved annual Membership Dues contribution to research of 4,000 / company, increased net from training, and income from publications
  - The 2012 budget highlights can be accessed in the [GMRC Annual Meeting Report](#) (slides 70-73)

## Other

- The [Bylaws](#) were updated at the Annual Membership meeting
- The officers and directors were elected at the Annual Membership meeting (See

slides 76-77 in the [GMRC Annual Meeting Report](#))

- Craig Linn, Williams, was elected Chairman of the GMRC Board 2012-2013
- Membership Dues has been established for 2012 at 4,000 / company (all categories)
- [Eric Thomas received the Edward N. Henderson Award](#) at the annual GMC banquet
- GMRC celebrated our [past, present and future](#) at the annual GMC banquet

## **President's Commentary**

I am proud of all the hard work by our volunteers which contributed to the success of the GMRC in 2011. A special thank you goes to Bob Bahnick, Southern Star Central Gas Pipeline, who has served as our Chairman since 2006. Under Bob's leadership, GMRC is well positioned to enjoy continued success going forward. When asked about the success the organization had in 2011, Bob's comment is always, "We have a strong Board." True words and Bob and I know the 2012 Board will continue where the 2011 Board left off under the leadership of Craig Linn.

Thank you to Michael Smith who Chairs the Project Supervisory Committee. The PSC had a strong lineup of research projects for the year and their hard work helps keep the organization relevant with projects that provide a strong return on investment. And thank you to Mary Beth Whitfield who Chaired the highly successful Gas Machinery Conference – and to her hard working team.

GMRC is a member driven organization. I appreciate your support and welcome your feedback.

***Mike***

Mike Grubb  
President & CEO  
Gas Machinery Research Council and Southern Gas Association