



The Glass Manufacturing Industry Council will present a series of workshops and training sessions in conjunction with Glassman America 2004 at the David L. Lawrence Convention Center in Pittsburgh.

Tuesday, May 18, 2004

11:00–13:00

**Best Practice Training Session 1:
Compressed Air**

This workshop provides an introduction to energy efficiency factors for compressed air systems, with an emphasis on considering the system instead of only components. Indicators and symptoms of potential energy reduction opportunities are presented.

The Compressed Air Challenge has developed a training workshop to help evaluate industrial compressed air systems and apply proven techniques to reduce operating costs and improve productivity, product quality, system reliability and competitiveness.

DOE adopted this training for its workshop directed at improving industrial compressed air systems. The “Fundamentals of Compressed Air Systems Workshop” is an introductory course designed to teach facility engineers, operators and maintenance staff how to achieve cost savings of 15–25% through more effective production and use of compressed air.

15:00–17:00

**Best Practice Training Session 2:
Process Heating**

This workshop includes an introduction to process heating and process-heating equipment such as furnaces, ovens, dryers, heaters, kilns, etc., used by the industry. It includes an overview of combustion and other heating methods, heat transfer in furnaces, heat containment, waste heat recovery, commonly used process heating controls and emissions reductions related to process heating. Participants will receive an introduction to the Process Heating Assessment and Survey Tool (PHAST).

Wednesday, May 19, 2004

11:00–13:00

**Best Practice Training Session 3:
20 Major Energy-Saving Tips**

(Details To Be Announced)

13:00–17:00

GMIC Innovative Uses Subcommittee Meeting (open to the public)

Open discussion and brainstorming of opportunities for possible precompetitive research to develop new glass features leading to new products and markets: surfaces, compositions, forming possibilities, etc. Will look at possible development of composites made in conjunction with other substances and opportunities for beneficial use of recycled glass.

Thursday, May 20, 2004

**The Glass Manufacturing Industry Council Conference on Glass Refining—Future Technologies
Westin Hotel, Pittsburgh**

New technologies are being developed that will lead to “step changes” in the melting practices within the glass industry. New approaches to melting may require modified technologies for refining and other downstream activities.

This workshop is a follow-on to a session held Oct. 29, 2003, during the 64th Conference on Glass Problems at Urbana, Ill. That session sought to identify the parameters, criteria and barriers to the development of refiners; approaches that are currently available or in development; and entities and individuals that are interested in pursuing advanced technologies in the refinery/conditioning area.

This workshop will define areas for possible research, and develop proposals for research projects, complete with coalitions of companies, possible funding sources, etc.

08:30–09:45 Introductory Session - review of progress to date.

09:45–12:00 Break-out Sessions that include shearing, microwave heating, sonic wave heating, materials, and general topics.

12:00–13:00 Box lunch.

13:00–14:30 Wrap-up Session where each group presents its leading concept(s).

14:30–15:00 Conclusions and defining plans for further action.

For further information about GMIC activities, contact:

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