

WHM WORKSHOP

Waste Heat Management in the Glass Industry Presentation Schedule

Thursday October 21, 2010

9:30 a.m. to 4:30 p.m.

SESSION 1 Waste Management Applied to Process Inputs

Scott Ryan, Corning, Incorporated – Session Chair

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| 9:30 a.m. – 9:45 a.m. | Introductions |
| 9:45 a.m. – 10:30 a.m. | New SORG Batch Preheating System – <i>Matthias Lindig, SORG, Germany</i> |
| 10:30 a.m. – 11:15 a.m. | Advantages and Rationale for the Use of Dry-Batch – <i>John T. Brown, Glass Manufacturing Industry Council, USA</i> |
| 11:15 a.m. – 12:00 noon | Overview of Methods to Recover Energy from Flue Gases of Glass Furnaces and Impact on Glass Furnace Energy Consumption – <i>Ruud Beerkens, TNO Science & Industry, Eindhoven, The Netherlands</i> |
| 12:00 p.m. – 12:15 p.m. | Lunch Served |
| 12:15 p.m. – 1:00 p.m. | <i>(working lunch)</i> Comparative Study of Energy Consumption and Emission Behavior of Container Glass Furnaces and Batch Preheating – <i>Ruud Beerkens, TNO Science & Industry, Eindhoven, The Netherlands on behalf of Ardagh Glass</i> |
| 1:00 p.m. – 1:45 p.m. | Results of a Technology Recovering Waste Heat to Preheat Oxygen and Natural Gas for Oxy-fuel Furnaces – <i>Youssef Joumani, Luc Jarry, Jean-François Simon, Antonella Contino, Olivier Douxchamps, Air Liquide, France</i> |

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SESSION 2 Waste Heat Recovery Boilers

Mike Stroscher, Libbey, Inc. – Session Chair

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| 1:45 p.m. – 2:00 p.m. | Introductions |
| 2:00 p.m. – 2:45 p.m. | Cullet Preheating by Steam Generated from Flue Gas Heat of Glass Furnaces – <i>Ruud Beerkens, TNO Science & Industry, Eindhoven, The Netherlands; Niels Rozendaal, Optimum Environmental & Energy Technologies, Arnhem, the Netherlands</i> |
| 2:45 p.m. – 3:30 p.m. | Waste Heat Recovery on Glass Furnaces – A Case Study on Encountered Problems and Solutions – <i>Bhave, Ninad P. and Gawade Dattatray, Transparent Energy Systems Pvt. Ltd., Pune, India</i> |
| 3:30 p.m. – 4:15 p.m. | Alternative Uses of Steam in Glass Plants - <i>Niels Rozendaal, Optimum Environmental & Energy Technologies, Arnhem, the Netherlands</i> |
| 4:15 p.m. – 4:30 p.m. | General Questions & Answers |
| 4:30 p.m. | Adjourn |