IAGT 2010 FALL COURSE

October 2010
Hamilton, Ontario

Jim McArthur
Vice President, Operations - IST
Chairman, IAGT Committee
Overview

- IAGT Introduction
- Canadian Gas Turbine History
- Current Market Trends
- Upcoming Events
- Guidelines
IAGT Introduction
IAGT Introduction

• IAGT (Industrial Application of Gas Turbines)
• Provides a Canadian forum for operators and manufacturers of gas turbines
• Formed in 1973 (37 years ago) with first symposium held in Oct. 1974 (Edmonton, Alberta)
• Hosted by NRC, followed by CGA (1990) and today both
IAGT Introduction (cont’d)

• Initial Topics included Inlet Icing Problems, Performance Testing, Compressor Cleaning, Trend Monitoring, Lube Oil
• Today’s topics are GT Applications, GT Advancements, Cogeneration, Fuel Flexibility, Emissions, Life Cycle Cost
IAGT Committee

- Consists of a blend of users and manufacturers
- Many of the committee are here this week
- I encourage you to make use of this committee for any questions you may have, this week and into the future

Visit us at www.iagtcommittee.com
Canadian Gas Turbine History
Canadian Gas Turbine History
Market Trends
Near Future – Gas Supply

• Natural Gas Prices (Calgary Herald)
  • Canadian prices will also slide, with Alberta natural gas averaging $4.24 per thousand cubic feet next year, from a previous estimate of $5.38 per mcf

• Shale Gas (Calgary Herald)
  • North American markets have been flooded with shale gas volumes as producers step up drilling activity south of the border.
Not Too Distant Future

• **Continuous Improvement (Frost and Sullivan)**
  • It is imperative that the gas turbine OEMs focus on continuous technology improvements as that is a key factor in helping them achieve a higher growth in an environment that is bound to get increasingly intense with the high price of natural gas and the increased focus on competing fuels and technologies.
Distant Future

- Capacity Additions (2010 Annual Energy Outlook)
Upcoming Events
Upcoming IAGT Events

• 19th Symposium in 2011
Guidelines and Giveaways
Dodge Viper
Free 1 Yr Subscription

Visit the following link to sign up:
www.turbomachinermag.com/subscribe/trialsub.cfm
Speaker Thank You

Thank you very much for your support.

The organizers of the IAGT 2010 Fall Course
wish to thank you for your participation.
As a gesture of thanks we have made a donation
on behalf of all of our 2010 speakers to the
SickKids Foundation.
• Please set your cell phones to silent/vibrate.
## Evaluation Forms

**IAGT 2010 FALL COURSE**

Rate the following sessions and provide any comments at the bottom. All evaluation forms should be dropped off at the registration desk upon your departure. We will be utilizing your responses to help develop the agenda for the next course.

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<th>Session</th>
<th>Rating</th>
<th>Comments</th>
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<td>Operating Remarks and Welcome</td>
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<td>Session #2 - Gas Turbine Design &amp; Systems</td>
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<td>Session #5 - Life Cycle Cost Analysis</td>
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**Comments**

Suggestion and topics you would like to see in the future:

[Image of Evaluation Form]
Thank you for joining us, I hope you find it meets your expectations!