

BEST MANAGEMENT PRACTICES

CETAC-WEST
Presents:

FUEL GAS EFFICIENCY IN THE UPSTREAM OIL AND GAS INDUSTRY



Practical Guidance to:

*“Ensure Alberta’s Energy Resources
are Developed in an Environmentally
Sustainable Way”*



November 24—26, 2008
Delta Lodge at Kananaskis

Workshop Sponsors



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PROGRAM OVERVIEW

CETAC-WEST, with support and funding from government and industry sources, started the Eco-Efficiency program over 5 years ago. The efforts spent in conducting integrated energy audits and technology demonstrations have shown that significant reduction in fuel gas consumption can be achieved, often with little or modest capital investment.

INTRODUCTORY SESSION—Setting the Stage

The Monday evening dinner session will provide an overview of the Eco-Efficiency program and how it spawned development of the Best Management Practices (BMP) initiative. Continuing on Tuesday morning, government and regulatory representatives will provide their perspective on the BMPs and how energy efficiency initiatives can reduce both energy intensity and GHG emissions from the Upstream Oil & Gas industry.

TECHNICAL SESSION—Best Management Practices

The Best Management Practices (BMPs) were developed as a collaboration between Industry, Government and the Service Sector to:

- Improve energy efficiency in the Upstream O&G Industry;
- Reduce greenhouse gas emissions; and
- Improve the economics of energy production.

The BMPs provide practical guidance on how to optimize the energy efficiency associated with unit operations employed in the industry. Their implementation can reduce fuel gas consumption from existing installed equipment by **10% or more**. This represents a potential industry-wide saving of approximately 1.0 billion m³ of gas (or approximately \$275 million) and a reduction of 3 million tonnes of CO₂ equivalents each year! The BMPs also highlight new technology and innovation that can provide a significant, cost-effective step-wise improvement in energy consumption and GHG emissions.

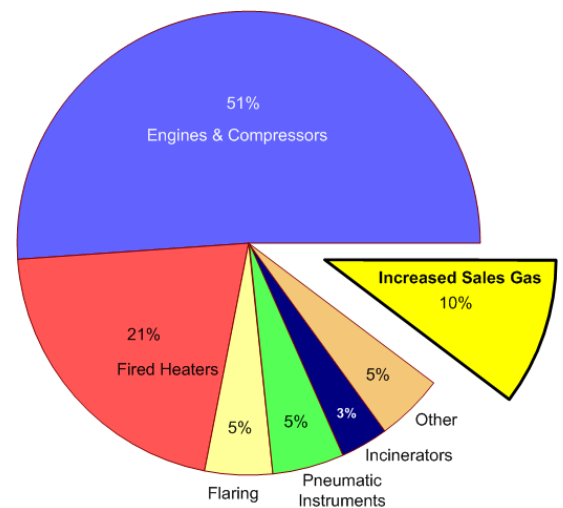
Each of the BMP Modules will be explained by the subject experts and authors. A **Peer Review Panel**, consisting of industry experts and practitioners, will provide their perspective on the BMPs and initiate a discussion with attendees on how to overcome barriers and work toward implementation.

BREAK-OUT SESSIONS—The Path Forward

Facilitated small-group break-out sessions will be conducted to provide discussion on opportunities and ways to best implement the BMPs. The sessions will solicit input from workshop participants to identify strategies on how to best implement changes to operations and realize the benefits — designing **The Path Forward**.

WHO SHOULD ATTEND? - The Workshop is designed to meet the needs of both **Operations Personnel** and **Managers** responsible for production and environmental performance. The target audience includes Plant Managers, Engineers, Superintendents, Field Foreman and other operations personnel who will be charged with responsibility for development and implementation of energy efficiency programs. The combination of field personnel and managers will stimulate discussion on how to best implement the BMPs as part of facility-specific and corporate stewardship programs.

Fuel Gas Use and Potential Savings with BMPs



For more information or to register, go to the CETAC website at: www.cetacwest.com



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PROGRAM

Monday November 24 6:00 pm—8:30 pm

Registration and Dinner

Program Introduction: Eco-Efficiency in the Upstream Oil & Gas Industry J. Lukacs, President & CEO, CETAC-WEST

Tuesday November 25 8:30 am—5:00 pm

Energy Efficiency in the Upstream Oil and Gas Industry

Alberta Environment	E. Hui
Alberta Energy	D. Breakwell
ERCB	M. Bruni
CAPP	R. Leslie

Peer Review Panel Discussion

Field Operations

Pneumatic Instruments & Chemical Injection Pumps	T. Hearn, Sirius Products Inc.
Gathering Systems	Y. Jamin, Clearstone Engineering
Glycol Dehydration	R. Leland, RCL Environmental
Pumpjacks	R. Pahl, F. Shewchuk

Peer Review Panel Discussion

Lunch Break

Gas Processing

Desiccant Dehydration	B. Spooner, Amine Experts
Fractionation	N. Franklin, Tartan Engineering
Refrigeration	N. Franklin, Tartan Engineering

Peer Review Panel Discussion

Gas Processing

Amine Systems	B. Spooner, Amine Experts
Sulphur Recovery	F. Derakhshan, Sulphur Experts
Incineration	J. Grundler, Energy Experts

Peer Review Panel Discussion

Wednesday November 26 8:30 am—3:00 pm

Common Operations

Engines & Compression	F. Zahner, Accurata Inc.
Fired Heaters	A. Wakelin, Energy Experts
Flaring	Y. Jamin, Clearstone Eng.

Peer Review Panel Discussion

Common Operations

Measurement and Reporting	G. Latonas, Energy Experts
Industry Feedback	TBA

Peer Review Panel Discussion

Lunch Break

Break-Out Sessions

- A. Field Operations
- B. Gas Processing
- C. Common Operations

Peer Review Panel Discussion and Wrap Up

Peer Review Panel Members

EnCana	Ron Bettin	Joe Dusseault
	Lee Wagner	Rick Watters
Petro-Canada	Samuel Tse	Stephen Vukadinovic
Nexen	Ross Matchett	
ConocoPhillips	Paul Slobodnik	
Keyera	Rod Sikora	
Husky	Blake Reid	
Independent	Cyril Garvey	



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REGISTRATION

Registration for the 2-day Workshop Includes:

- Workshop Registration and Proceedings
- Monday Evening Dinner and Introductory Session
- CD Copy of all 17 BMP Modules
- Access to BMP Subject Experts and Authors

Workshop Fee: \$900.00+GST



Register online at www.cetacwest.com

or complete the following Registration Form and fax to: 403.777.9599

Please direct registration questions to: harriet@cetacwest.com

Phone: 403.777.9595

First Name: _____

Surname: _____

Company: _____

Address: Street: _____

City: _____

Province: _____ Postal Code: _____

Phone: Work: _____ Cell: _____

Email: _____

Payment: VISA AMEX MasterCard Other

Note: You will be contacted regarding payment details

Lodging

Room Preference: Single Double

Arrival Date: _____

Departure Date: _____

Standard Single and Double Room Rates are \$194/night +Taxes

Special Requests or Additional Information:



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