Shaping a Secure Energy Future

105th NPRA Annual Meeting: Advance Program

Marriott Rivercenter Hotel San Antonio, TX March 18 – 20, 2007





Schedule at a Glance

Sunday	March 18, 2007
9:00 am – 8:00 pm	Registration
3:00 pm – 5:00 pm	Manufacturing Committee Meeting
6:00 pm – 8:00 pm	Opening Reception
Monday	March 19, 2007
7:00 am – 5:00 pm	Registration
7:30 am – 9:00 am	Government Relations Breakfast (ticket required)
7:30 am – 9:00 am	Crude and Refined Products Breakfast (ticket required)
8:00 am – 9:30 am	Early Bird Coffee and Rolls
9:30 am – 11:30 am	General Session
10:00 am – 2:00 pm	Spouse Program (ticket required)
2:00 pm – 5:00 pm	Issues and Technical Sessions
Tuesday	March 20, 2007
7:00 am – 12:00 pm	Registration
7:30 am – 9:15 am	CEO Breakfast (ticket required)
9:30 am – 11:00 am	Board of Directors Meeting
9:30 am – 12:00 pm	Issues and Technical Sessions
12:00 pm – 2:00 pm	Annual Luncheon (ticket required)
2:00 pm – 4:30 pm	Management and Technical Sessions
6:00 pm – 10:00 pm	Closing Event (ticket required)

105th NPRA Annual Meeting: Advance Program

With the opening gavel, NPRA's Annual Meeting will proudly mark its 105th anniversary at the Marriott Rivercenter Hotel in San Antonio, Texas. The NPRA Annual Meeting is one of the world's largest meetings of its kind, assembling key executives and technical experts from refining and petrochemical organizations worldwide, as well as representatives from associated industries.

High profile speakers will address current issues of widespread importance to the refining and petrochemical industries. Leading industry experts will share valuable insights on major issues, including energy and environmental initiatives and the latest technical developments. And you'll have the opportunity to network with 1,600 industry decision makers from over 440 companies operating in more than 27 countries.

See old colleagues and meet new ones. Learn from technical, management and issues sessions that give you the tools to do your job more effectively. Hear from inspiring speakers on the most important issues of the day. Mark your calendar today to assemble at the Marriott Rivercenter Hotel!



Energy is a risky business. With growing demand fueled by a strong global economy and worries related to hurricanes, geopolitical tensions and adequate supplies, these turbulent times have made energy security a major challenge facing the U.S. oil and gas industry. Now more than ever industry needs the strength, knowledge and leadership to shape a secure energy future.

NPRA is there to help make the refining and petrochemical industries we serve stronger and better. One way we do is by sponsoring world-class meetings where information is exchanged and best practices shared. The 2007 NPRA Annual Meeting – now in its 105th year – will kick off March 18-20 at the Marriott Rivercenter Hotel in San Antonio. The theme of this year's meeting is "Shaping a Secure Energy Future."

As we enter 2007, the Democratic leadership in the House and Senate will change the legislative landscape, but energy policy will remain squarely on the agenda. There is little doubt that the oil and gas industry will face heightened scrutiny from the adoption of punitive measures such as price gouging legislation to the roll back of tax incentives and a greater focus on increased incentives for the development of alternative fuels.

Now more than ever you can learn more about these challenges by attending the NPRA Annual Meeting. This year's line-up of high profile speakers features leaders



Bob Slaughter President NPRA

from business and government including Rudolph Giuliani, Chairman and CEO, Giuliani Partners, Bruce Smith, Chairman and CEO, Tesoro Corporation, John G. Rice, Vice Chairman, GE, Carolyn W. Merritt, Chairman & CEO of the U.S. Chemical Safety Board, and Dr. Michael A. Pacheco, Director of the National Bioenergy Center of the National Renewable Energy Laboratory.

NPRA's management and technical sessions are among the most comprehensive in the industry, covering strategic issues such as crude oil supply, refinery/ petrochemical plant integration, supply/ demand outlook for crude oils and products, and organizational issues as well as the process technologies, catalysts, and equipment. This year there are new sessions focusing on your evolving business needs, including energy; capital projects and turnarounds; and health and safety. This strong technical program is designed to help NPRA members meet the challenge of shaping a secure energy future.

This year's Issues sessions will again target those issues critical to your business. "Strategies for Navigating the New Legislative Landscape" will focus on the agenda for the 110th Congress and its implications for both industries. "Facility Security: Grapping with New Federal Mandates" will address implementation of new facility security regulations. "The Biofuels Promise: Fact or Fiction" will cover the outlook for incorporating ethanol and other biofuels into the transportation fuel system. And "Clearing the Air: Implications of NAAQS and NSR" will anticipate the challenges of implementing the new NAAQS rule and NSR reforms.

You should attend the meeting to learn about important public policy issues, to hear about the latest technical developments and to forge strategic new directions. Don't miss the opportunity to be involved and make a difference. See you in San Antonio!

Brb Slaughter

Program Highlights Monday, March 19

Government Relations Breakfast

7:30 am - 9:00 am



Trends and Transitions in the Diesel Market

Joanne Shore

Senior Analyst U.S. Energy Information Administration

The EIA is a statistical agency within the U.S. Department of Energy that provides policy-independent data, forecasts, and analyses on energy. Ms. Shore has over 25 years experience analyzing markets and technologies in the energy sector.

Program Highlights Monday, March 19

General Session

9:30 am - 11:30 am



John G. Rice Vice Chairman, GE President & CEO, GE Infrastructure

Mr. Rice is responsible for GE Infrastructure which includes Energy, Aviation, Rail, Oil & Gas, Water, Energy Financial Services and Aviation Financial Services. GE is a diversified technology, media and financial services company. Its products and services range from aircraft engines, power generation, water processing and security technology to medical imaging, business and consumer financing, media content and advanced materials. GE serves customers in more than 100 countries and employs more than 300,000 people worldwide.



Carolyn W. Merritt Chairman/CEO, U.S. Chemical Safety Board

Ms. Merritt was nominated as Chair of the U.S. Chemical Safety Board by President Bush in June 2002 and confirmed by the Senate in August. She has 30 years of experience in process engineering, total quality management, environmental and safety management of various chemical processing and manufacturing industries. Headquartered in Washington, D.C., the CSB is an independent federal agency charged with investigating industrial chemical accidents.



Dr. Michael A. Pacheco Director, National Bioenergy Center, National Renewable Energy Laboratory (NREL)

Dr. Pacheco joined NREL in 2003 to serve as Director of the National Bioenergy Center (NBC). The NBC was established by the Secretary of the Department of Energy in 2000 and is headquartered at NREL. As the Center Director, Dr. Pacheco provides strategic guidance, technical direction and management oversight. He is also responsible for coordinating bioenergy research activities supported by DOE and carried out at five DOE laboratories. Earlier in his career, Dr. Pacheco held supervisory positions in R&D during 16 years in the petrochemical industry, working for Amoco Oil Corp and Conoco Oil Co.

Spouse Program: Margaritas and Merengazo

10:00 am - 2:00 pm



Learn to make the perfect enchilada and the secrets of the ultimate margarita during a cooking class at Aldaco's Mexican Restaurant. Later, you'll be dancing with the stars as you learn the basics of the rumba, cha-cha, salsa and merengue from nationally known dance instructor Fritzi Frederick.

Program Highlights Tuesday, March 20

CEO Breakfast: The Challenges Facing the Industry

7:30 am - 9:15 am

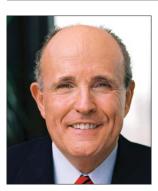


Bruce A. Smith Chairman, President & CEO, Tesoro Corporation

Mr. Smith assumed his current position in 1996 where he provides overall leadership in developing and implementing the company's strategic directions. Previously, he was Vice President and Treasurer of Valero Energy Corp. and Vice President and Manager of the International Energy Division of Continental Illinois National Bank and Trust Company of Chicago. Tesoro, headquartered in San Antonio, TX, is a leading independent refiner and marketer of petroleum products in the U.S. It operates six U.S. refineries with a total capacity of nearly 560,000 barrels a day. Its retail-marketing system includes over 460 retail stations.

Annual Luncheon: Leadership in Difficult Times

12:00 pm - 2:00 pm



Rudolph W. Giuliani Chairman and CEO, Giuliani Partners

Honored and respected the world over, Rudy Giuliani's strong leadership, personal courage and deeply felt humanity have made him an international icon. As the 107th Mayor of New York City, he is perhaps best known for his leadership in helping lead New York – and the U.S. – out of the devastation that followed the attacks on 9-11. During his two terms as Mayor from 1993 to 2001, he returned accountability to city government and improved the quality of life for all New Yorkers.

Prior to that Mr. Giuliani served as Associate Attorney General, the third highest position in the Department of Justice, and U.S. Attorney for the Southern District of New York. In that position, he spearheaded efforts against drug dealers, organized crime, government corruption, and white-collar criminals.

In 2002, Mr. Giuliani founded Giuliani Partners where he serves as Chairman and CEO. The professional services firm has become a leader in fields including emergency preparedness, public safety, crisis management and financial management. Mr. Giuliani will offer his unique perspectives on leadership in difficult times. **Closing Event**

6:00 pm - 10:00 pm



An Evening at Picosa Ranch

Enjoy an evening of history, dining and dancing to the tunes of "Cactus Country" at the former residence and homestead of former Texas Governor and legend John B. Connally, Jr.

Issues Session

2:00 pm to 5:00 pm

- Strategies for Navigating the New Legislative Landscape
- Facility Security: Grappling with New Federal Mandates

Technical Session: FCC Operations

2:00 pm to 5:00 pm

- Evolution of Residual FCC Technology Warren Letzsch, Shaw Stone & Webster
- Suncor FCC Revamp A Win-Win for the Environment and FCC Operation Mary Richardson, Suncor Energy
- Low Investment Revamp Strategies Boost FCC Performance Jain Divya, Hindustan Petroleum Corp.
- Radiotracer Test of FCC Riser
 Separation System
- Eric Hennings, The Shaw Group Stone & Webster
- Next Generation of Catalyst Stripper Design Commercialized
- Dalip Soni, ABB Lummus Global • High Propylene FCC Unit:
- Most Economical Product Recovery System? Keith Couch, UOP

Technical Session: Gasoline Processes

2:00 pm to 5:00 pm

- Managing Pentanes in a Low RVP
 Gasoline Environment
 Theodore Kutz, Chevron Global Refining
- Maximize Gasoline Barrels From Your Naphtha Complex Chris Anderle, UOP LLC
- New Reforming Catalyst(s) Helps Refiners Cope with Greater Demand for Gasoline Zoe Stonebraker, Criterion Catalysts &
- Technologies
 ExSact A Step-Out Solid Acid
- Alkylation Technology Mitrajit Mukherjee, Exelus
- STRATCO[®] Alkylation Technology Improvements Kevin Bockwinkel, STRATCO- DuPont
- Two New Alkylation Advances Kerry Rock, CDTECH

Technical Session: Plant Operations

2:00 pm to 5:00 pm

- Refinery Crude Unit Overhead: A New Perspective on Optimization Dawn Eden, Honeywell Industrial Measurement & Control
- Planning and Scheduling Models Similarities, Differences, and Relations Dong Dong, M3 Technology
- A Rational Methodology for Conducting Operations Staffing Assessments Charles Bloom, Human Centered Solutions
- Refinery of the Future: Does the Board Operator Play a Role? Peter Jofriet, Honeywell Process Solutions
- Effects of Mobility on Process Improvement and KPIs Don Frieden, SAT Corporation
- Cold Flow Additive Benefits to Distillate Blending and End-Use John Chandler, Infineum USA

2:00 pm to 5:00 pm

Technical Session:

Hydroprocessing

- Successful Revamp Solution for ULSD Russ Crawford, Tesoro Refining and Marketing Company
- New Low Cost H2 Recovery
 Process From ExxonMobil And
 Quest Air Technologies Rapid-Cycle
 Pressure Swing Adsorption
 Glen Scheirer, ExxonMobil R&E
- Significant Improvement in Hydrocracker Profitability with ULSD Production Through Customized Catalyst Systems, State of the Art Reactor Internals and Outstanding Technical Cooperation Russ Anderson, Criterion Catalysts
- Cracked Feed Protection for Hydrotreating Catalysts William Alexander, Eurecat
- Push Operations Integrity Boundaries In Hydroprocessing Units Russell D. Kane, Honeywell Process

Solutions

 VGO/Resid HDS Corrosion Experience and Countermeasures Makoto Ishii, Nippon Oil Corporation

Program is subject to change. To see the most up to date schedule visit www.npra.org.

Issues Session

9:30 am to 12:00 pm

- The Biofuels Promise: Fact or Fiction
- Clearing the Air: Implications of NAAQS and NSR

Technical Session: Capital Projects & Turnarounds

9:30 am to 12:00 pm

- Take Refinery Process Unit Cleaning Off the Turnaround Critical Path Mike Lippold, BJ Process & Pipeline Services
- Leading Indicators of Turnaround Performance Bobby Vichich, Asset Performance Networks
- The Realities of Rising Capital Costs John Jenkins, Jacobs Consultancy
- OSBL Considerations for Refinery Expansion Projects Dominic Varraveto, Burns & McDonnell
- Low Vibration Heat Exchangers Glenn Scheirer, ExxonMobil R&E

Technical Session: Crude Oil Supply

9:30 am to 12:00 pm

- Crude Oil Price Forecasting: A Statistical Approach Armando Lara, Turner, Mason
- Getting Deep On Gulf of Mexico Supply Issues Stephen Jones, Purvin & Gertz
- Accessing The Growing Production of Canadian Crude Patrick Daniel, Enbridge Inc.
- Alberta Oil Sands Energy Supply Solutions John McGinnis, Alberta Ministry of Economic Development
- High Quality Competitive Distillate Fuels from Coal-to-Liquids Processing Mark Landrum, Baker & O'Brien, Inc.

Technical Session: Fuels Strategies

9:30 am to 12:00 pm

- An Independent Refiner's Successful Fast-Track ULSD Project Jeffrey Warmann, Western Refining
- Balancing the Need for FCC
 Product HDS and Opportunities for
 Improving FCC Performance
- Charles Olsen, Ph.D., Advanced Refining Technologies
- Benzene Management
 Andy Colston, Tesoro Petroleum
- New Developments in Renewable Fuels: Green Diesel Jennifer Holmgren, UOP LLC
- Clean Fuels: An Opportunity for Profitability Using Grace Davison Gasoline Sulfur Reduction Technology Lauren Blanchard, Grace Davison

Technical Session: Low Emissions Operations

9:30 am to 12:00 pm

- Impact of FCC Process Equipment on Cyanide Stack Emissions Bob Ludolph, Sunoco, Inc.
- Controlling FCC Particulate Emissions: Low Microfines Applications Can Offer Refiners Control on Capital Expenditure and Maintain Superior Yields CJ Farley, BASF Catalysts LLC
- Meeting and Beating Consent Decrees Adrian Humphries, Albemarle Catalysts
- Marathon Petroleum Achieves High Quality Effluent On Difficult Wastewater From Refinery Operations Using Advanced Membrane Technology Jeff Peeters, GE Water & Process Technologies
- Volumetric Reduction of Refinery Wastewater Effluent
- John Hambrick, Clean Harbors Environmental Services

Program is subject to change. To see the most up to date schedule visit www.npra.org.

Technical Session: Management

2:00 pm to 4:30 pm

- Supply/Demand Outlook North America in a Global Context Mike Wilcox, Wood Mackenzie
- Making Sense of Changes in EIA Petroleum Supply and Demand Data Michael Conner, U.S. EIA
- The Effects of Specification Changes on Jet Fuel Outlook Ravin J Appadoo, Armbrust Aviation

Group
• Cyber Security:

Return on Investment Scott Borg, U.S. Cyber Consequences Unit

Identifying and Managing
 Legacy Gaps in your Organization
 Gary Traylor, Celerant Consulting

Technical Session: Safety & Health

2:00 pm to 4:30 pm

- Ethanol Stress Corrosion Cracking David Moore, BP
- Inherently Safer Systems
 Chris McDowell, Tesoro Petroleum
- Naphthalene Symposium Report
- Setting Safety Integrity Levels

Technical Session: Gas Oil / Resid Conversion

2:00 pm to 4:30 pm

- Issues Associated with
 Larger Coke Drums
 Richard Conticello, Foster Wheeler Corp.
- New Technology Controls High Temperature Heater Fouling Joseph Stark, Baker Petrolite
- Unicracking[™] Process for Conversion of Heavy Feedstocks Vasant Thakkar, UOP LLC
- Solving Clean Fuels Production and Residuum Conversion Through Hydroprocessing Integration Woodrow Shiflett, Chevron

Technical Session: Petrochemicals

2:00 pm to 4:30 pm

• Refinery & Petrochemical Integration – Is The Glass Half Empty or Half Full and Does It Matter Which Point of View You Subscribe To?

Darren Le Geyt, KBC Advanced Technologies Inc.

- Reduce Benzene While Elevating Octane And Co-Producing Petrochemicals David Netzer
- The UOP LCO-X[™] Process The Key to Unlocking High Value Xylenes from Light Cycle Oil James Johnson, UOP LLC

Technical Session: Energy

2:00 pm to 4:30 pm

 Decision Support Solution for the Operational Improvement of Refinery Pre-Heat Trains Hernan Rodera, Aspen Technology
 Energy Optimization Studies To Enhance Both New Projects and Return on Existing Assets Frank Zhu, UOP LLC
 Energy Saving Retrofit of an FCC Plant Jimmy Kumana, Saudi Aramco
 Identifying and Implementing Energy Saving Process Changes Jerry DeHey, ICubed Energy

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1. Conference Registration and Tickets

Log on to www.npra.org and select "Meetings", "Future Conferences", "2007 NPRA Annual Meeting" then "Register Now" or complete the enclosed registration form. Registration includes admission to the Welcome Reception, General Session, and Breakout Sessions. Order tickets for special events. Refer to the registration form for conference and ticket fees.

Note: Ticketed functions are open to registered attendees only. Be sure to register by January 31, 2007 to have your name included in the AM attendee list in the Program Book. March 2 is the cutoff date to be listed in the registration supplement. Plus, you'll save \$100 if you register by February 16!

2. Hotel Reservations

Reserve your hotel on-line when you register at www.npra.org and receive an immediate acknowledgement of your reservation. Or, fill in the appropriate space on the enclosed registration form. Hotel reservation requests will be processed in the order received by the NPRA. Get immediate acknowledgement on-line but allow 3 weeks if submitted to NPRA. The hotels require a deposit equal to one night room rental plus tax to guarantee your room. If no deposit information is provided within 30 days prior to arrival, your reservation will be cancelled. Cancellations must be made 48 hours prior to scheduled arrival in order to receive a refund of deposit. February 16,

AM07 Hotel Options

2007, is the cut-off date for making hotel reservations, cancellations or substitutions through NPRA or on-line. Beginning February 19, reservations, substitutions, or cancellations must be made through the hotel directly.

3. Spouse Registration

For just \$50, your spouse can join you at the Welcome Reception as well as the included business sessions. Please note that there is a separate fee of \$100 for the Spouse Program on Monday, March 19. A spouse must be registered to purchase a ticket to any of the special event functions.

4. Payment

Pay by credit card, check or wire transfer. If you register on-line but wish to pay by check or wire please be sure to include your system ID# and name with payment.

5. Travel

AVIS is the official rental car agency for the AM. Call 800.331.1600 and refer to AWD#:B761399 to receive discounted rates.

6. Suites and Meeting Rooms

Contact Merla Zollinger at 202.457.0480 or email at merlaz@npra.org.

7. Confirmation

Your registration will be confirmed via e-mail if you provided us your email address. Otherwise, your confirmation will be sent via U.S. mail. **Cancellation Policy:** Registration substitution/cancellations may be faxed to 202.835.0467 or e-mailed to AM@npra.org. Substitute conference registrations may be made in advance or on arrival with no penalty. Cancellations may be made by February 16, 2007 with no penalty. Written cancellations postmarked, faxed, or emailed between February 17 and March 2, 2007 will receive a refund of fees, less a \$50 processing fee. No refunds after March 2, 2007. No telephone cancellations.

Ticket Refund Policy: Refunds will be made on tickets purchased if request is received in writing by March 2, 2007. No Refunds after March 2.

Ticketed functions are open to *registered attendees* only. All individuals using tickets must be registered for the conference.

Spouse / Guest Policy: A guest is a spouse/significant other, friend or an adult child (18 years old or older) who is not in an industry-related occupation. A co-worker, an associate or spouse who works within the industry may not use the Spouse/Guest registration category.

Fee Policy: Eligibility for member rates is based on membership information currently on file with NPRA. If your company is not currently a member, the non-member fees will be charged to your credit card.

Registration Policy: Those who are present at the site of an NPRA meeting and/or occupy a hotel room in the NPRA room block to conduct business with industry personnel gathered for that meeting are expected to register for that meeting and pay the registration fee, whether or not they attend a specific function.

Hotel	Room Type	Hotel Code	Rate
Marriott Rivercenter Hotel 101 Bowie Street 210.223.1000	Single Double	MRC MRC	\$ 208 \$ 225
Marriott Riverwalk Hotel 889 East Market Street 210.224.4555	Single Double	SAM SAM	\$ 208 \$ 225

Register on-line at www.npra.org Register by February 16th - Save \$100.

Step 1: Attendee Profile

Please fill out completely. Badges will be printed from this information.

Name			
Title			
me			
Company			
Address			
Address			
City	State	Zip	Country
Phone (Area/Country/City Code)	Fax (Area/C	Country/City Co	de)

E-mail

□ If this is not a permanent address change, check here.

Spouse/Guest Name (if attending)

□ Check here if you require special services. Please attach a description of your needs.

Step 2: Meeting Registration

			E	By Feb. 16		After	Feb. 16
	Member	\$	575		\$	675	
	Non-member	\$1	1,145		\$1	,245	
	Spouse/Guest	\$	50		\$	50	
	Monday						
	Crude & Refined						
	Prod Breakfast	\$	35		\$	35	
	Gov't Relations						
	Breakfast	\$	35		\$	35	
	Spouse Program	\$	100		\$	100	
	Margaritas & Merengaz	20					
	Tuesday						
	CEO Breakfast	\$	35		\$	35	
	Annual Luncheon	\$	50		\$	50	
	Closing Event:						
	An Evening at						
	Picosa Ranch	\$	150		\$	150	
		Ψ			Ψ		
	Total Amount Due						
Nar	ne of Member Company						

Not sure if your company is a member? Go to www.npra.org

Step 3: Payment Information

Payments to NPRA are not deductible as charitable contributions for federal income tax purposes. However, they may be deductible under other provisions of the Internal Revenue Code. (LIS Dollara only) Chaol (Englaged

CHECK ENCIOSE	J	(03 Dollars 0	iiy)
Bank Transfer:		Sun Trust Ban	ks, Inc., Washington, DC
		Routing #0610	000104 • Acct #206887906
		SWIFT Code -	- SNTRUS3A
		(Please includ	le registrant's name.)
Credit Card			
VISA		MasterCard	American Express

Credit Card Number

Exp. Date

Name of person on card (Please print)

Signature (Required, authorizing charge & acknowledging cancellation/refund, fee, registration. & spouse policies)

Step 4: Hotel Reservation

Housing requests must be accompanied by paid conference registration to be processed.

Arrival	Date

F I F Departure Date

If no dates are indicated, we will assign arrival Sunday, March 18 and departure Wednesday, March 21.

Enter the three letter code from the hotel list for your preferred property and room type. (See chart on previous page for rates and room code.)

1st Choice	2nd Choice	_	
Room Type:	One Bed	Two Beds	
Number of People	in Room:		
Room Guarantee:	□ AMEX	□ VISA	
	MasterCard	Discover Diners	

Credit	Card	Number

Exp. Date

Signature

Special Requests:
Smoking □ Non-smoking

> □ Disability □ Other

Fax suite requests to Merla Zollinger at 202.835.0467. Register on-line to receive immediate acknowledgement of hotel. February 16 is the final cut-off date to reserve a room. Contact the hotel directly with changes or cancellations beginning February 19, 2007.

Register by Fax:

Fax your form with credit card information to 202.835.0467

Register by Mail:

Mail your check to NPRA, 1899 L Street, NW, Suite 1000 Washington, DC 20036

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Register by February 16th and save \$100!

Register online at www.npra.org



National Petrochemical & Refiners Association

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