

American Fuel & Petrochemical Manufacturers Annual Report 2012



AFPM members serve you & America by manufacturing vital products for your life every day, while strengthening our economic and national security.

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James Mahoney Chairman of the Board

& Mahones



Charles T. Drevna President

ince 1902, members of our trade association have served America and the American people. We thank you for giving us this privilege and opportunity.

We are marking our 110th anniversary by reaffirming our commitment to service and by changing our name from the National Petrochemical & Refiners Association (NPRA) to the American Fuel & Petrochemical Manufacturers (AFPM).

Our new name better describes who we are, what we do and how we serve you and America. It also describes what we stand for, including:

- American manufacturing and jobs.
- Proven and reliable high-quality products for your life every day.
- Economic and national security.
- American consumers.

AFPM members are proud to make modern life possible and keep America moving and growing as we meet the needs of you and your family, local communities and our nation.



We are proud to serve you and our nation by manufacturing virtually the entire U.S. supply of gasoline, diesel, jet fuel, other fuels and home heating oil, as well as the petrochemicals used as building blocks for thousands of vital products in daily life. We do this, of course, with our hardworking employees, who perform their jobs safely and tirelessly everyday.

Service is at the core of our mission and has been for 110 years.

We served our nation in the last century by helping transform America from a society dependent on literal horsepower to the world's leading industrial economy.

We serve you and America today by manufacturing fuels for the vehicles that enable you to travel around town and around our country in a fraction of the time earlier generations required.

And we serve you and America by manufacturing petrochemicals that are used to create everything made of plastic and thousands of other items. These include life-saving medicines and critical devices for surgical procedures, along with chemicals used on the farm to promote the health of the crops that feed you, your family and people around the world. If petrochemicals did not exist, you would have to say goodbye to these critically important products, along with your TVs, radios, computers, phones, appliances, and everything not made from metal, rocks, minerals, plants or other living things.

Fuel and petrochemical manufacturers are part of a larger oil and natural gas sector — including the companies that free oil and natural gas trapped underground so it can be used for your benefit. This sector supports jobs for more than 9 million Americans workers. Some 2 million of these jobs are supported by the fuel and petrochemical manufacturers of AFPM.

The jobs we support aren't all in fuel and petrochemical manufacturing plants. The steel worker who makes pipe for our facilities, the waitress whose restaurant serves our workers, the factory worker manufacturing products made from petrochemicals, and many other Americans all have jobs supported by AFPM members.

According to a 2011 study by Wood Mackenzie, changes in government energy policies could create more than 1.4 million new jobs supported by the oil and gas sector and generate \$800 billion in additional government revenue by 2030. Oil and gas producers and fuel and petrochemical manufacturers also directly added more than \$470 billion to the U.S. economy in spending, wages and dividends in 2010 – amounting to nearly 8 percent of the U.S. Gross Domestic Product.

Our 2012 Annual Report tells you much more about the many ways we serve you and America, and how we intend to continue doing so far into the future.

We have stayed in business all these years because you – the American consumer – have determined through the free market that we provide essential products that give you a better life. The members of American Fuel & Petrochemical Manufacturers look forward to continue to serve you and future generations for a very long time.

WPRA merges with Arkansas-Louisiana Refiners Association 1936		NPRA expands membership to include petrochemical manufacturers 1968	NPRA changes name to National Petrochemical & Refiners Association 1998	
	1961 NPA and WPRA merge to become National Petroleum Refiners Association (NPRA)			2012 NPRA changes name to American Fuel & Petrochemical Manufacturers (AFPM)



ithout the fuels manufactured by AFPM members, the millions of cars, trucks, motorcycles, recreational vehicles, trains, airplanes, helicopters, ships, boats and other vehicles that make modern life possible would be useless.

With these fuels, we have changed the course of history.

When the National Petroleum Association the trade association that has evolved to become AFPM — was founded on June 17, 1902, cars were a rare luxury enjoyed only by the wealthy. Flying was an activity for birds and adventurers in gliders and balloons. Horses remained the dominant mode of transportation for short distances, and trains were favored for long trips.

Henry Ford did not launch Ford Motor Co. until a year after NPA was born, although he produced his first gasoline-powered automobile in 1896. The Wright brothers did not succeed in the first powered flight until 18 months after NPA was formed.

In the early years of the automobile, our petroleum fuels were considered the alternative clean energy sources of their day – replacing horses, whose waste was causing serious health and sanitation problems in big cities.

Gasoline and diesel fuel weren't the original fuels of choice for the earliest motor vehicles.

In 1680, Dutch physicist Christian Huygens designed (but never built) an internal combustion engine that was to be fueled with gunpowder.

French engineer and mechanic Nicolas Joseph Cugnot invented the first self-propelled road vehicle in 1769 – a steam-powered military tractor that could travel at just over 2 miles per hour and had to stop every 10 to 15 minutes to build up steam.



We manufacture the fuels that affect every aspect of your life.

Coal gas – generated by heating coal in a boiler – was also used to power some early motor vehicles.

Scottish inventor Robert Anderson built an electric-powered carriage in the 1830s. By 1899, more advanced electric cars were outselling vehicles powered by petroleum fuels in the United States.

But cars and trucks fueled by gasoline engines (first patented in 1886 by Karl Benz) and by diesel engines (invented in 1893 by Rudolph Diesel) won the competition to power our vehicles by the early 1900s because they were the most efficient, reliable and affordable vehicles. This remains the case to this day.

The fuels AFPM members manufacture did not become dominant because government put a special tax on horses, or on cars powered by steam, coal gas or electricity. No government mandates dictated that millions of gallons of gasoline and diesel fuel had to be produced or purchased each year. We did not receive taxpayer subsidies to give our fuels a competitive advantage.

Instead, for more than 100 years the free market and consumer choice have determined that gasoline and diesel are the best energy sources for motor vehicles.

Today the fuels we manufacture affect every aspect of your life.

Most of you commute to work each day in vehicles powered by gasoline or diesel. Before cars became the predominant way of traveling to work Americans had to live much closer to their jobs. A half-hour commute today would take hours on horseback or in a horse-drawn carriage.

You also shop and travel to see friends and relatives and to go to places of entertainment, recreation and worship in vehicles powered by petroleum fuels.

The farmers and ranchers who produce the food you eat run their equipment and vehicles on our fuels.

And our fuels power the trucks that transport food and every other product through the supply chain and onto the shelves of every store and restaurant you patronize.

Fuels and some of the other products we make are produced at refineries, which are modern manufacturing facilities that use the most advanced technology to boil crude oil and separate and process it into different products.

Refineries operate safely and in an environmentally sound manner to serve you and America every day.

From the moment you wake up each morning to the time you go to bed each night, you benefit from products made from the petrochemicals manufactured by the members of AFPM.



etrochemicals – produced by AFPM members from crude oil and natural gas liquids – are used to manufacture products all around us.

From the moment you wake up each morning to the time you go to bed each night, you benefit from products made from the petrochemicals manufactured by the members of AFPM.

You turn off your alarm clock. You brush your teeth. Perhaps you take some medication. You have a cup of coffee and some breakfast while you watch TV. You put on glasses or contact lenses, get dressed, pack a lunch in a plastic bag and check email on your smart phone.

You drive to work while listening to the radio, get there and turn on your computer or machinery you operate, make some phone calls, and eventually head back home for dinner and a few hours with your family. You watch some TV, do the laundry, check some websites or play a video game with the kids. Your alarm clock, toothbrush, toothpaste, medications, some cups and dishes, home appliances, radios and TVs, plastic eyeglasses and contact lenses, many items of clothing, carpeting, paint on your walls, car tires and some car parts, phones, computers, plastic bags, cosmetics, soap, laundry detergent, and a list of other products longer than this report are all made in whole or in part from petrochemicals. Even the ink that this report is printed with is made from petrochemicals.

If not for the members of AFPM, Americans would have to import petrochemicals and many of the products made from petrochemicals that are now manufactured here in our own country. This would weaken our economy, increase America's trade deficit, export American jobs and weaken our national security.

Two key chemicals in natural gas liquids and crude oil that are used to manufacture petrochemicals are called ethane and naphtha. When these critical feedstocks for petrochemical manufacturing are separated from the other parts of crude oil and natural gas liquids they are fed into high-tech manufacturing facilities that operate under strict environmental and safety standards. The manufacturing facilities are called "crackers" because they use high temperatures to crack the chemical bonds in hydrocarbon molecules to form useful chemical building blocks.

Ethylene is one of the key petrochemicals that AFPM members manufacture. It's used to make polyethylene – one of the most versatile plastics found in manufacturing. Polyethylene is found in everything from packaging that keeps food safer and fresher, to automobile gasoline tanks that are lighter and more durable, to protective helmets.

Because it's one of the most fundamental building blocks in organic chemistry, ethylene is also used to manufacture an enormous number of different chemicals, enabling the world of commercial organic chemistry and making America competitive in manufacturing.

In addition to petrochemicals, AFPM members operating refineries manufacture home heating oil that warms millions of homes and businesses around the country. Refineries also manufacture asphalt for the roads on which you travel.

Even waxes that are used in packaging, building materials, candles, cosmetics, medicines, inks, crayons, tires, chewing gum and many other products are manufactured from crude oil in refineries. So are lubricants that keep mechanical devices in homes, businesses, cars and trucks operating smoothly and safely.

So even if you don't own a car and rarely travel in a motor vehicle, products manufactured by members of AFPM surround you and play a larger role in your life than many Americans realize.







The capsules in which many medications are placed, allowing drugs to be slowly absorbed by your body, are made from petrochemicals.

n addition to being used for many other products, petrochemicals manufactured by AFPM members are used to make products and medications that keep you healthy, treat you when you're sick or injured, and in some cases could save your life.

When you visit your doctor, everything from the stethoscope the doctor uses to listen to your heart, to the blood pressure monitor he or she uses, to the syringe used to give you a flu shot or other injections is made from petrochemicals.

Petrochemicals are used to produce the nearly 50 billion aspirins that Americans consume each year, and are used as building blocks to make antibiotics and medications that treat cancer, heart disease, pneumonia, arthritis, AIDS, Parkinson's disease and many other illnesses. The capsules in which many medications are placed, allowing drugs to be slowly absorbed by your body, are made from petrochemicals as well.

Petrochemicals are also used to create artificial parts and devices to assist or replace parts of the human body damaged or destroyed by disease, age or injury.

Examples include dentures worn by 35 million Americans, dental implants, artificial joints and limbs, heart valves, hearing aids, and lenses implanted in the eye after cataract surgery. Because they are bio-compatible with the human body, plastics can be placed in our bodies without being rejected.

More than 24 million Americans wear contact lenses made with a polymer film derived from petrochemicals, and millions of others wear eyeglasses with shatter-resistant plastic lenses. Plastics made from petrochemicals are used in hospitals in catheters and tubing, surgical gloves, surgical gowns and masks, bandages, sutures, bags holding intravenous fluids, and to store blood and vaccines.

Plastic packaging is very useful for medical applications because of its transparency, light weight, low cost, barrier properties, durability and compatibility with other materials.

Modern medicine would be impossible without the many products made from the petrochemicals that are manufactured by AFPM members. Medical advances made possible by petrochemicals improve your life and the lives of your family members. he air you breathe and the water you drink are cleaner today than they have been in generations as a result of the actions of AFPM members and other industries.

AFPM members are strongly committed to clean air and water, have invested hundreds of billions of dollars to dramatically reduce emissions as measured by the U.S. Environmental Protection Agency and have an outstanding record of compliance with EPA regulations.

EPA data shows sharp reductions in total emissions of hazardous pollutants from fuel and petrochemical manufactures in recent years. These emissions fell by 80 percent from refineries and by 75 percent from petrochemical manufacturing plants between 1988 and 2009. Refiners have cut sulfur levels in gasoline by 90 percent just since 2004 and reduced sulfur in diesel fuel by more than 90 percent since 2005.

To help make our planet cleaner for you and your children, refiners spent \$112 billion on environmental improvements just from 1990 to 2008. We continue to invest in high-tech emissions control systems to reduce impacts on the environment. We've spent nearly \$50 billion just to remove sulfur from gasoline and diesel fuel and to manufacture reformulated gasoline. Petrochemical manufacturers have also spent billions of dollars on environmental improvements.

Despite the great progress we have made in environmental stewardship under the Clean Air Act and other laws, we are concerned that EPA and other agencies have at times moved from regulation to overregulation. These agencies are making unreasonable and often conflicting demands on AFPM members to make changes in our manufacturing processes that bring little or no significant environmental benefit.

The demands of environmental overregulation, which make some requirements impossible to achieve without coming in conflict with other regulations, raise energy costs for every American consumer. They also strengthen foreign competitors eager to replace American manufacturers and American workers, weaken the U.S. economy, make America more reliant on nations in unstable parts of the world for vital fuels and petrochemicals, and endanger our national security. We believe America's national interest would be best served by a comprehensive and objective cost-benefit analysis of proposed and existing federal regulations. It is not realistic to demand that every last molecule of emissions be eliminated – no matter how insignificant and no matter how terrible the cost. Yet all too often, environmental overregulation takes this approach.

If overregulation of U.S. refiners and petrochemical manufacturers makes them less competitive with foreign companies, we will simply import greater quantities from foreign fuel and petrochemical manufacturers. The amount of fuels and petrochemicals the U.S. consumes wouldn't change – only the location of where they are manufactured.

This would cause total emissions to increase, because foreign fuel and petrochemical manufacturers are not subject to the stringent emissions controls currently in place in the United States.



Petrochemical Plant Emissions

Refinery Emissions

Millions of Pounds







ur members and member employees play vital roles serving our nation and communities. The taxes and fees we pay to all levels of government, the charitable contributions we make and the volunteer work we do benefit all Americans.

The companies that produce oil and natural gas and our members that manufacture fuels and petrochemicals pay the federal government \$31 billion a year in taxes, royalties and fees. On top of that, our workers pay income and Social Security taxes on their earnings. And we and our employees pay additional billions of dollars in taxes and fees to state and local governments around America.

A study of publicly traded companies in the oil and gas sector found they paid an effective federal income tax rate of 41.4 percent in 2010 – compared with just 26.5 percent for other industrial sectors.

In addition, the transportation fuels we manufacture are subject to special federal and state taxes that are used to build and maintain our nation's critical infrastructure – the roads, bridges and tunnels you drive on and the mass transit you ride on.

The oil and gas sector provides a larger share of revenue to the U.S. Treasury than any other American industrial sector, and accounts for nearly 8 percent of the U.S. Gross Domestic Product.

Despite paying a larger share of earnings than other industrial companies in federal taxes, oil and gas sector companies earned less as a percentage of their sales in 2010 - 5.7 cents for every dollar – than the 8.5 cents earned by the average American manufacturer in other industries.



We provide scholarships for students; donations for programs that serve the sick, the elderly, and the poor; and funding for arts programs, youth sports programs, school improvement projects and much more.

Companies in the oil and gas sector distributed \$35 billion in dividends to their shareholders in 2010. Only 1.5 percent of shares in oil and gas sector companies are owned by corporate management. The rest are owned by pension funds, mutual funds, and individual and institutional investors. Some of your own retirement savings may be invested in these companies.

The contributions we and our employees make to our nation and communities go far beyond the billions of dollars we spend on taxes, royalties, fees, wages and dividends each year.

In cities and town across America, we and our employees serve communities and worthy causes with charitable contributions and with volunteer work. We provide scholarships for students; donations for programs that serve the sick, the elderly, and the poor; and funding for arts programs, youth sports programs, school improvement projects and much more.

Our employees donate their time as volunteer firefighters, ambulance attendants, food bank workers, youth sports coaches, disaster relief workers, and tutors; in religious institutions, hospitals, nursing homes, homeless shelters and schools; and fill the ranks of volunteer workers for all sorts of worthy charitable organizations.

We are an important part of the communities where we and our families live and work, and an important part of America. We know we are fortunate to live in this great nation, and we work hard to give back and build a better future for those who will come after us.



...nothing else works as well to produce the chemicals that are used to manufacture thousands of useful products that surround us and make modern life possible.

hen the National Petroleum Association was founded 110 years ago, few thought that the fuels our members manufacture would one day power more than 250 million passenger vehicles in the United States and power jetliners that carry millions of people across America and around the world.

The modern petrochemical industry did not even exist in 1902, making the many uses of petrochemicals today unimaginable.

None of us knows what the world will be like 110 years from now in 2122. But there's a high likelihood that AFPM members will still be manufacturing proven, reliable, effective and beneficial fuels and petrochemicals then to serve America and to serve your great-grandchildren and their children. An industry study issued in late 2011 forecasts that that the world's overall energy demand will rise by 30 percent by 2040, because the global population is expected to rise from 7 billion today to 9 billion. Most of the increased demand is expected in developing nations, with energy use increasing by nearly 60 percent in China and India.

The report says oil will remain the top energy source around the world in 2040, producing 32 percent of all energy used, down only slightly from 34 percent in 2010.

In addition, the report estimates that "even by 2040... less than half of the world's oil will have been produced. And it is important to note that as new technologies are developed, estimates of the amount of remaining global resources continue to be revised upward."

The hydrocarbon molecules found in crude oil and natural gas are nature's greatest energy source, producing energy more efficiently and affordably than anything else. In addition, nothing else works as well to produce the chemicals that are used to manufacture thousands of useful products that surround us and make modern life possible. America is energy-rich, not energy-poor. We have vast quantities of oil and natural gas under our feet and off our shores, and new technologies that are giving us greater access to these fossil fuels than ever before. This treasure trove can supply generations ahead with American-manufactured fuels and petrochemicals without harm to our environment and at prices more affordable than the "alternatives."

Failing to use this national treasure to benefit you and other Americans would be a national tragedy.

We believe that our 110 years of service to you and America are just the beginning of our work. The members of the American Fuel & Petrochemical Manufacturers look forward to continuing to serve you and future generations for a very long time.





FPM is governed by a Board of Directors, which comprises representatives from each of our refining and petrochemical members.

When the Board is not in session, it delegates authority to the AFPM Executive Committee to provide oversight and govern the Association.

The Board of Directors elects a chairman, vice chairman, eleven vice presidents, and a treasurer. These officers, together with the immediate past chairman, constitute the Executive Committee. The Board elects a president to serve as chief operating officer of the Washington, D.C.-based staff and headquarters office.

The 2012 AFPM Executive Committee following this year's Annual Meeting is as follows:



Chairman James Mahoney Executive Vice President, Operations Excellence and Compliance Koch Industries, Inc. Wichita, KS



Vice Chairman David Lamp Chief Operating Officer & Executive Vice President HollyFrontier Corporation Dallas, TX



Treasurer Richard Meeks Senior Vice President, Refining Ergon, Inc. Jackson, MS



Past Chair William R. Klesse Chief Executive Officer, President and Chairman of the Board Valero Energy Corporation San Antonio, TX



Kevin Brown Senior Vice President, Refining LyondellBasell Industries Houston, TX



Russell T. Crockett Senior Vice President, Commercial TPC Group, Inc. Houston, TX



Gregory J. Goff President and Chief Executive Officer Tesoro Corporation San Antonio, TX



Gary R. Heminger President Marathon Petroleum Company LLC Findlay, OH



Jack Lipinski Chairman & Chief Executive Officer CVR Energy, Inc. Sugar Land, TX



Thomas D. O'Malley Chairman PBF Holding Company LLC West Palm Beach, FL



Dennis Seith Chief Executive Officer INEOS Olefins & Polymers USA League City, TX



Jerry Wascom Director, Refining Americas Exxon Mobil Refining and Supply Fairfax, VA



Lawrence Ziemba President, Global Refining ConocoPhillips Company Houston, TX

The AFPM Board of Directors relies on the counsel and support of experts among its membership to accomplish specific Association functions and plan for the Association's future. There are 20 standing committees that serve to assist the Board in achieving AFPM's goals.

Please visit the AFPM website for a complete description of all committees and their rosters at www.afpm.org/ committees.

The **Issues Committee** advises the Executive Committee and provides direction and guidance to AFPM staff on current policy issues important to the refining and petrochemical industries. **Chair:** David Lamp, HollyFrontier Corporation **AFPM Secretary:** Brendan Williams

The Associate Steering Committee

provides a forum for the Association's contractors, suppliers, vendors and consultants, to communicate with the Board of Directors on items of mutual interest and support. **Chair:** Jeff Davis, Brock Group **AFPM Secretary:** Susan Yashinskie

The Communications Committee shares

information, ideas and communications strategies to increase support by external audiences for policy positions established by the Executive Committee and adopted by the AFPM Board.

Chair: Jim Temple, Ergon, Inc. **AFPM Secretary:** David Egner

The **Environmental Committee** provides a forum for members to exchange views and discuss environmental activities and advises the AFPM Board and staff on current environmental laws/regulations.

Chair: Michael Norman, Delek Refining Ltd. **AFPM Secretary:** David Friedman

The **Fuels Committee** provides information and policy recommendations concerning legislative, regulatory, and motor fuel specification developments. **Chair:** Judith Higgerson, CITGO Petroleum Corporation **AFPM Secretary:** Tim Hogan

The Government Relations Committee

serves as the principal forum for sharing information, ideas and strategies on legislative and regulatory issues important to the refining and petrochemical industries. **Chair:** Craig Felner, Valero Energy Corporation

AFPM Acting Secretary: Brendan Williams

The **Legal Committee** provides legal and litigation strategy recommendations to advance the interests of the Association membership. **Chair:** Alan Hallock, Flint Hills Resources, LP **AFPM Secretary:** Richard Moskowitz

The Labor Relations & Human Resources Committee facilitates the exchange of information on matters related to industrial and labor relations, human resources practices and collective bargaining. Chair: Kirk Williams, Valero Energy

Corporation

AFPM Secretary: Daniel Strachan



The Lubricants & Waxes Committee

provides oversight and assistance on matters related to automotive oils, lubricants, and waxes.

Chair: John Robinson, American Refining Group, Inc.

AFPM Secretary: Daniel Strachan

The **Waxes Subcommittee** promotes the benefits of current and new wax uses and technologies to the marketplace as well as issues related to the safe handling, transportation and specifications of petroleum wax.

Chair: Roy Allen, Baker Hughes Inc. **AFPM Secretary:** Daniel Strachan

The Maintenance Committee promotes

the exchange of technical information and proven practices on reliability, maintenance, inspection, procurement, project engineering, and turnarounds.

Chair: Dan Flake, CVR Energy, Inc. **AFPM Secretary:** Gordon Robertson

The Exhibitor Subcommittee provides

overall support to the Reliability & Maintenance Conference exhibits by reviewing booth layouts and providing recommendations for continuous improvement of the show. Chair: Tobie Craig, Turner Industries Group AFPM Secretary: Helen Kutska

The Manufacturing Committee provides

technical support and recommendations on matters that affect facility operations and products including federal, state and local laws and regulations.

Chair: Steve Jackson, Hunt Refining Company **AFPM Secretary:** Jeff Hazle

The **Petrochemical Committee** advises the AFPM Board and staff on current issues of importance to the petrochemical industry. **Chair:** G.R. Cardillo, Enterprise Products Operating LLC

AFPM Secretary: James Cooper

The Petrochemical Statistics

Subcommittee advises and assists the Petrochemical Committee and AFPM staff on matters pertaining to the collection and dissemination of statistics on petrochemicals, including trade, production and inventories. **Chair:** Michael E. Williamson, ExxonMobil Chemical Co.

AFPM Secretary: James Cooper

The Plant Automation & Decision Support

Committee focuses on sharing practical experience with the application, management, and integration of computing technology in areas including process control and automation, modeling, real-time optimization and Internetbased applications.

Chair: Paul Bonner, Honeywell Process Solutions

AFPM Secretary: Daniel Strachan

The Safety & Health Committee provides

a forum for education on the prevention and control of accidents and fires, developments in safety legislation and regulation, and industry safety.

Chair: Mike Mayo, Enterprise Products Operating LLC

AFPM Secretary: Lara Swett

The Industrial Hygiene Subcommittee

provides a forum for the exchange of information on industrial hygiene, regulatory and legislative trends and developments, and other matters concerning industrial hygiene standards and practices.

Chair: Mario Vasquez, Flint Hills Resources, LP **AFPM Secretary:** Daniel Strachan

The **Security Committee** solicits and assembles recommendations on securityrelated practices and policies, standards and guidelines, and regulatory and legislative trends and ensures recommendations receive consideration by appropriate governmental bodies, industry or trade groups. **Chair:** Kent Steed, Chevron Corporation **AFPM Secretary:** Jeff Gunnulfsen

The Cyber Security Subcommittee

provides information and recommendations on matters pertaining to cyber security and cyber threats.

Chair: Blake Larsen, Western Refining Company AFPM Secretary: Daniel Strachan

Board of Directors

Ex-Officio Directors

Advanced Aromatics, L. P. Fred Dohmann

Afton Chemical Corporation Laura Ruiz

Air Products and Chemicals, Inc. Jeffry Byrne

Albemarle Corporation John Nicols

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American Refining Group, Inc. John Robinson

Arkema, Inc. Richard Rennard

Baker Hughes Incorporated Jerry Basconi

BASF Corporation

Big West Oil, LLC Joel Elstein

BP Amoco Chemical Company Doug Sparkman

BP Products North America Nick Spencer

Braskem America, Inc. Bruce Rubin

Calcasieu Refining Company Russ Willmon

Calumet Lubricants Bill Anderson

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Chevron Corporation Gary Yesavage

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CHS Inc. Daniel Knepper

CITGO Petroleum Corporation Robert Kent

ConocoPhillips Company Lawrence Ziemba

Cornerstone Chemical Paul Mikesell

Countrymark Cooperative Holding Corp. Matthew Smorch

Criterion Catalysts & Technologies Brian Smith

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Cross Oil Refining & Marketing, Inc. Terry Jackson

CVR Energy, Inc. Jack Lipinski

Delek Refining Ltd. Frederec Green

Deltech Corporation Zachary Levine

The Dow Chemical Company Brian Ames

DuPont Glenn Liolios

Eastman Chemical Company Michael Berry

Enterprise Products Operating LLC Terry Hurlburt

Ergon, Inc. Richard Meeks

> Exxon Mobil Corporation Jerry Wascom

ExxonMobil Chemical Co. Bruce Macklin

Flint Hills Resources, LP Jeff Ramsey

Formosa Plastics Corporation, USA Stan Ueng

GE Water & Process Technologies Raymon Barlow

Georgia Gulf C. Douglas Shannon

Grace Davison Shawn Abrams

Hess Corporation Darius Sweet

HollyFrontier Corporation David Lamp

Honeywell Inc. Mark Zyskowski

Hunt Refining Company David Carroll

Huntsman Corporation Janice Latz

INEOS Dennis Seith

Koch Industries, Inc James Mahoney The Linde Group Raghu Menon

Lubrizol Corporation Dan Sheets

LyondellBasell Industries Kevin Brown

Marathon Petroleum Corporation Rich Bedell

Marathon Petroleum Corporation Gary Heminger

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Montana Refining Company Mike Dusterhoff

Motiva Enterprises LLC Robert Pease

Nalco Company Terry Burleson

National Cooperative Refinery Assoc. James Loving

NOVA Chemicals Corporation Naushad Jamani

NuStar Energy LP Michael Pesch

Occidental Chemical Corporation Chuck Anderson

Olin Chlor Alkali Products John McIntosh

Oxea Corporation Purnendu Rai

Pasadena Refining System, Inc. Francisco de Cerqueira Neto

PBF Energy Thomas O'Malley

PetroLogistics Hank Jeans

Placid Refining Company Dan Robinson

PPG Industries, Inc. Michael McGarry

SABIC Innovative Plastics John Dearborn

Safety-Kleen Corporation Mike Ebert

Sasol North America William Brown

Shell Chemical Company Steve Rathweg Sinclair Oil Corporation Clint Ensign

Sonneborn, Inc. Luther Jones

South Hampton Resources Nicholas Carter

Styrolution America LLC Kevin McQuade

Suncor Energy, Inc. John Quinn

Sunoco Inc. Lynn Elsenhans

Tesoro Corporation Gregory Goff

TOTAL Darrell Jacob

TPC Group Inc. Russell Crockett

U.S. Oil & Refining Co. Alan Cabodi

UOP LLC Rajeev Gautam

Valero Energy Corporation William Klesse

Valero Energy Corporation Lane Riggs

Western Refining Company Paul Foster

Westlake Chemical Corporation Albert Chao

The Williams Companies McMillan Hummel

Wyoming Refining Company James Runyan Roger C. Beach Los Angeles CA

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International Members

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Consumers' Co-operative Refineries Ltd

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Grupo Idesa Guillermo Gutierrez-Saldivar

Idemitsu Kosan Co., Ltd. Hideto Yoshimi

Indian Oil Corporation Limited A. S. Basu

Irving Oil Limited Mike Ashar

ITOCHU Chemicals America Inc. Ken Fukui

Marubeni America Corporation Tadashi Terada

MEGlobal Antulio Borneo

Mitsubishi Chemical Corporation Nobuko Kanayama

Mitsui & Co., Ltd. Yuichi Masuda

Oil Refineries I to Gad Mendelsohn

OMV Refining & Marketing GmbH Alois Virag

000 LUKOIL-Permnefteorgsintez Valerii Krylov

Petrojam Limited Christopher Chin Fatt

Petroleo Brasileiro S.A. Geraldo Santos

PETROTRIN Louie Forde

Polimeri Europa S.p.A. Emanuele Tagliabue

A Box 4 U **Rick Ciemny**

> A.T. Kearney, Inc. Vance Scott

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AbClean dba USIS David Summers

ABM Security Services Craig Knecht

Accenture Kathleen Bellah

ADT Advanced Integration Ryan Loughin

Advanced Refining Technologies Scott Purnell

AECOM Environment June Coover

Aggreko, LLC Richard Rosinski

Air Liquide Large Industries U.S. LP Johnnye Wozniak

Airgas, Inc. Steve Hope

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Meetings

AFPM is widely recognized for organizing national conferences and meetings held annually that are devoted to examining the critical issues facing fuel and petrochemical manufacturers. These comprehensive, information-packed meetings offer a wide array of opportunities for member participation from all levels of company personnel.

In addition to the annual line-up of conferences, AFPM periodically hosts meetings on timely topics, alone or in conjunction with government agencies, other trade associations and industry groups.

Each meeting focuses on a different discipline and is organized around general sessions, panel discussions, workshops, roundtable discussions, vendor exhibitions and numerous networking activities.

At the meetings, critical information and shared industry practices are exchanged to help members meet the challenges of modern business. Specific program information on AFPM's meetings may be found at www.afpm. org/meetings.



Security Conference February 27 – 29 Intercontinental Hotel Houston, Texas



Annual Meeting March 11 – 13 Manchester Grand Hyatt San Diego, California



Labor Relations/Human Resources Conference May 23, 24 Convention Center San Antonio, Texas



Cat Cracker Seminar August 21, 22 Intercontinental Hotel Houston, Texas





International Petrochemical Conference April 1 – 3 Grand Hyatt San Antonio, Texas



Public Policy Conference April 25, 26 Westin City Center Washington, DC



National Occupational and Process Safety Conference May 16, 17 Grand Hyatt San Antonio, Texas



Reliability & Maintenance Conference & Exhibition May 22 – 25 Convention Center San Antonio, Texas



Board of Directors Meeting September 9 – 11 St. Regis Deer Valley Park City, Utah



Q&A and Technology Forum October 1 – 3 Grand America Hotel Salt Lake City, Utah



Environmental Conference October 14 – 16 Marriott Center City Denver, Colorado



National Lubricants & Waxes Meeting November 1, 2 Hilton Post Oak Houston, Texas

Advocacy

AFPM's Advocacy group combines the Government Relations, Regulatory Affairs, Communications, Outreach and Legal Departments to work together to inform, educate and advocate to external audiences on behalf of AFPM members.

The Government Relations Department communicates with members of Congress and their staffs.

The Regulatory Affairs Department represents AFPM member interests before federal regulatory agencies and the Executive branch.

The Legal Department provides support to all AFPM advocacy activities and advances AFPM's advocacy agenda through the federal and state courts.

The Communications Department works with the news media to publicize AFPM positions and activities, writes material for AFPM's website and produces other written material about AFPM.

The Outreach Department works with AFPM members and their employees, along with groups and individuals around the country that support and want to advocate AFPM's positions to government officials at the local, state and federal levels.

Safety Statistics and Awards Program

The AFPM Safety Statistics and Awards Program is part of a comprehensive safety program to promote accident prevention in the petroleum refining and petrochemical manufacturing industries.

The program honors AFPM member companies whose facility operations meet a level of excellence based on records kept for employees in accordance with the Occupational Safety & Health Administration (OSHA) record keeping requirements as defined by law and reported on the OSHA 300A form.

The Distinguished Safety Award is presented each year to the facility or facilities that have attained superior safety performance throughout the year. This award, along with the others, is presented during the Safety Award Celebration held in conjunction with the National Occupational and Process Safety Conference each spring.

For more information or questions concerning the Safety Statistics Awards Program or the National Occupational and Process Safety Conference, please visit the AFPM Web site at www.afpm.org/awards or contact Anna Scherer at ascherer@afpm.org or by phone at 202.457.0480.

ADVOCATE For Members & Safety

AFPM publications inform our members about industry statistics, technical innovations, environment and safety developments, security and many other relevant issues.

AFPM's online store allows you to search technical papers and reports by keyword, author, and/or meeting, and directly download to your computer. Learn more at www.AFPM.org/ publications.

Newsletters and General Publications:

- Annual Report
- Daily Alert
- Fuel Line
- Green Room Report
- Security Watch
- Tech Update

Statistics:

- Annual Survey of Occupational Injuries and Illnesses
- U.S. Refining Capacity Report
- Lubricating Oil and Wax Capacity Report

Subscription Publications:

- Quarterly Survey of Production and Inventory Report
- Americas Report Survey of Production
- Selected Petrochemical Statistics U.S. Trade Date Report
- AFPM/IPIF International Production Statistics Report

Technical Papers:

- Annual Meeting Papers
- Reliability & Maintenance Conference Papers
- Environmental Conference Papers
- National Safety Conference Papers
- Clean Fuels Challenge Papers
- Plant Automation and Decision Support Conference Papers
- International Lubricants & Waxes
 Meeting Papers

Transcripts:

- Q&A and Technology Forum
- Biennial Cat Cracker Seminar Q&A



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AFPM has successfully served the refining and petrochemical industries for 110 years. The Association continues to fulfill its commitment to members through:

- Informative meetings contributing to business success
- Networking opportunities
- AFPM advocacy for our industries
- Access to AFPM electronic
- publications

The vast majority of American petroleum refiners and petrochemical manufacturers along with hundreds of industry service companies are already members of the American Fuel & Petrochemical Manufacturers. They know they can count on AFPM to serve and represent them. Join them today.

Find Out More: LaToya Blackburn membership@afpm.org 202.457.0480 www.afpm.org/ benefits-of-membership

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