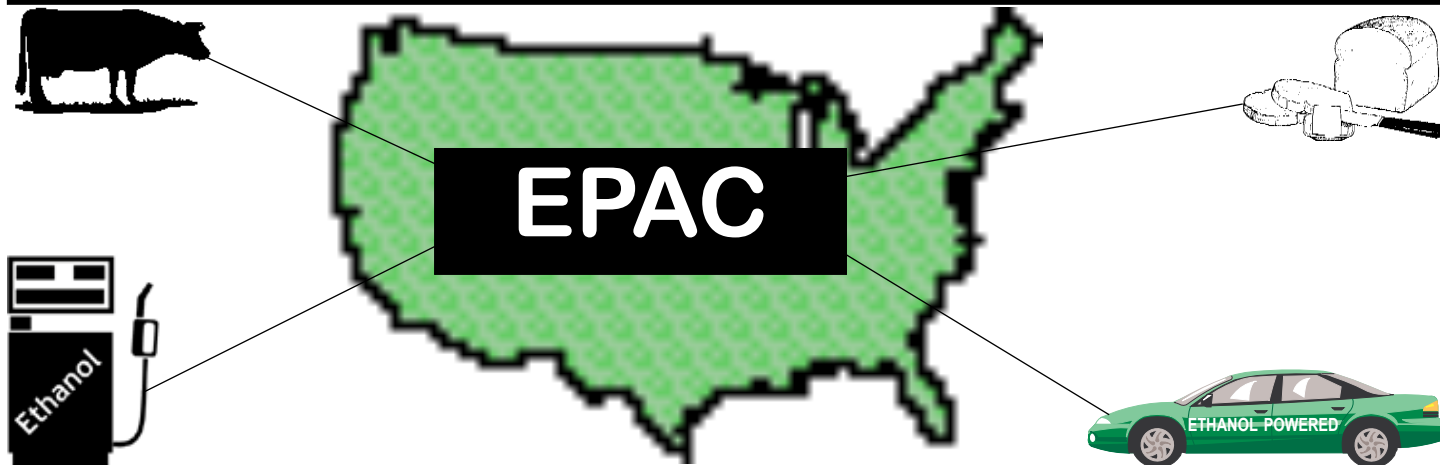


Ethanol Producers And Consumers



This newsletter is sent to members, contributors and sponsors of EPAC.

Ethanol Producers And Consumers (EPAC) is a non profit organization with members throughout the nation who support the production and use of Ethanol as a clean, renewable energy resource. **Volume 18, Number 1: EPAC July/August 2008**
Phone: 406-785-3722 • Fax: 406-785-2252 • E-mail: epac@ethanolmt.org • Web Site: www.ethanolmt.org

EPAC ATTENDS FUEL ETHANOL WORKSHOP

Linda Nielsen and Shirley Ball traveled to Nashville to attend a BBI sponsored Fuel Ethanol Workshop. This workshop is well attended by the ethanol industry and it featured a large trade show plus interesting technical sessions on new developments and pertinent subjects.

An interesting speaker was Dr. Robert Zubrin who spoke on his book "Energy Victory". He said, "As prices at the pump ratchet up the international oil cartel will continue to reap record profits. For the average American, this may simply seem to be a blow to the family budget. But what if much of the hundreds of billions of dollars consumers exchange for filling up their tanks went to funding terrorist organizations, terror state nuclear weapons programs, and the indoctrination of legions of children to fanatical hatred?" He charged that "politicians, diplomats and business leaders are knowingly allowing these shocking relations to continue, while accepting stock options and benefits of relationships with upper rich foreign oil potentates," he further stated, "as long as America keeps running on gas, we are paying for our own

continued on page 2



Ball and Nielsen posed by this race car that was displayed at the workshop.

ON THE ROAD TO 2008 CONFERENCE

Kalispell is home to museums, golf courses, great fishing sites, and the 18th Annual EPAC Conference "Ethanol: Fuel AND Food" July 20-22. Glacier National Park sits just 31 miles to the north. The park is named appropriately after the peaks, valleys, and ridges all formed by glacier, and 50 glaciers can still be visited today. Wildlife like deer, mountain goats, bighorn sheep, elk, moose, grizzlies, black bear, and wolves can be seen on the "Going-to-the-Sun Road Tour" available to conference participants Sunday, July 20th 11 a.m. to 5 p.m. Rocky Mountain Transportation will leave from the Hilton Garden Inn to McDonald Lodge at the Park entrance where we will transfer to the famous red Janner buses that will take the group into the park. Going-to-the-Sun Road climbs 3,000 feet and is 52 miles long and is a great way to see panoramic views of the park and the continental divide. This separate ticket pre-conference activity includes transportation to and from the Park, the Park entrance fee and refreshments. Space is limited so make your reservations soon.

Monday evening all guests can choose the optional dinner trip to the Lonesome Dove Guest Ranch. Located in the Wild Rocky Mountains Lonesome Dove is a nest of western culture and fun. Sporting a range of experienced wranglers and well-trained trail horses, if your interested in taking to the trails its available. You'll visit the Wild Horse Saloon and Eatery, which is an ornate barn with western memorabilia. Breathtaking scenery and home cooking will top off the evening experience that requires a ticket and includes transportation to and from the Ranch, a homemade BBQ, beverages and the evening's entertainment. One of a kind western fare is a memory maker!

In addition to these fun activities, the conference will provide opportunities to network and visit with leading authorities in the field of biofuels. Reserve your spot now and plan to join EPAC members and friends in beautiful Kalispell for this fun and informative conference. More conference information can be found starting on page 5.

Ethanol Workshop. . . continued from page 1
destruction.”

Zubrin’s plan for energy victory is straightforward and practical. He argues that if Congress would pass a law requiring that all new cars sold in the United States be flexible fueled that this one action would destroy the vertical monopoly that the oil cartel has maintained on the globe’s transportation fuel supply. He predicts that within three years, 50 million cars capable of running on high alcohol fuels could be on U.S. roads, and which would open the fuel market up to competition from ethanol produced by farmers.

He further stated, “Instead of sending our fuel dollars to countries with ties to terrorism we could be using them to help agriculture here and abroad, boosting our own economy and funding world development.” In addition, we would be helping the environment by burning a cleaner fuel, therefore “reduce the fear of global warming.”

It was a talk that sounds familiar to us EPAC members and other “ethanolics” doesn’t it? A number of other EPAC members were at the workshop including Board members Phil Madson, Michelle Kautz and Julie Ward.

EPAC WORKSHOP: BIODIESEL IN MONTANA “LEARN THE ANSWERS”

Montana citizens, consumers and farmers interested in learning more about how biodiesel is produced, biodiesel certification and the use of biodiesel and biofuels attended the Biodiesel Workshop, BIODIESEL in Montana “Learn the Answers” Tuesday, June 10th, at the MSU-Northern Applied Technology Center, Biodiesel Certification Lab in Havre.

Topics covered included Use of Biofuels for the Consumer, Use of Biofuels in Business, Availability of Biofuels and Biodiesel in Montana, Auto & Implement Warranties, Renewable Fuel Standards, Environmental Impact of Biodiesel, On-farm production and/or personal use of biodiesel and its co-products, Markets and buyers’ expectations for biodiesel, and a presentation and tour of the MSU-Northern Biodiesel Certification Lab.

Brett Earl and Logan Fisher of Earl Fisher Biofuels, Chester, MT, as well as David Cobb from the office of Senator Max Baucus, Brian Spangler of the Department of Environmental Quality, a panel of local auto and implement business owners/companies, Greg Kegel, Dean of the School of Applied Science at MSU-Northern and other scientists and teachers of MSU-Northern represented the “answers” to the topics of the workshop.

Workshop attendees received a packet of resource and educational materials from the event.

The workshop was organized by Ethanol Producers And Consumers (EPAC) with cooperating partners the Montana Department of Agriculture and MSU-Northern. Funding was provided by a USDOL WIRED grant from the Montana Department of Commerce in conjunction with Montana Department of Labor.

EPAC will next conduct “All things considered – the pros and cons of biofuels”; workshops to be held in Miles City, Glendive and Wolf Point in October. EPAC will invite individual panelists who will discuss the advantages and perceived disadvantages of biofuels in America presenting all factors, both pro and con which have arisen in the biofuels industry.

EPAC

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Tim Babcock *First Vice President*

Gary Schaff *Second Vice President*

Linda Nielsen *Secretary/Treasurer*

Tom Kryzer **Stan Ozark**

Mike Allen **Russ Montgomery**

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Matt Wilson **Dan Schwartzkopf**

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**Get your registration in today
for the conference...time is
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ENERGY INDEPENDENCE DAY DECLARATION

July 4th Energy Independence Day Calls for Unity in Search for Solutions

Across the United States and around the globe, the human race's dependence on petroleum is creating an economic and humanitarian crisis – limiting the ability of poor nations to feed their people, driving up consumer prices, causing strife and unrest, while negatively impacting our environment. As America's families pinch their pennies to drive and celebrate our Nation's Independence Day, EPAC is joining with other ethanol support organizations and issuing a call for unity in the fight to gain our Energy Independence.

The American public must demand this unity through the choices they make, the support they offer and the products they buy. On July 4th, Energy Independence Day, and through the coming year, stand up and demand unity in finding clean, renewable solutions to our dependence on expensive foreign oil.

To secure our so vitally needed Energy Independence, we must create a more diversified energy portfolio by finding and continuing to develop clean alternative fuels, renewable energy, and by improving energy efficiency. Last year, just seven percent of the U.S. energy supply was from clean and renewable domestic sources such as solar, hydroelectric, geothermal, biofuels and wind energy. We can do better.

Imagine what we could do if we relied only on domestically produced transportation fuels and conserved the fuel we do use. For example, in 2009 U.S. domestic production of 383 million gallons of oil per day would fuel transportation for 128 days. Add to this the U.S. ethanol industry's projected production of 14 billion gallons of ethanol and we fuel another 37 days of domestic transportation needs.

We must step up efforts to conserve fuel. It's estimated the average U.S. motorist could cut fuel consumption by 4.5 percent annually through steps such as engine tune ups, installing new air and fuel filters, driving at slower speeds, car-pooling, consolidating trips, using mass transportation, purchasing

flex-fuel or hybrid automobiles and even walking or riding a bike. Across the country this savings would fuel our country for another 19 days. Add it all up, and our country could fuel itself from January 1, 2009, until July 4, 2009 – nearly one half year.

To help reach this Energy Independence, the U.S. biofuels industry is leading the renewable fuels effort, providing more than half of our country's renewable energy in 2007. Ethanol alone displaced 200 million barrels of imported oil. A Merrill Lynch analyst estimates that oil and gas prices would be 15% higher if there were not the competition that ethanol provides.

The biofuels industry also is working hard to educate consumers about the environmental, economic and performance benefits of these renewable energy sources: creating demand for a viable supply of biodiesel, made from vegetable oils and waste fats, and ethanol, created from corn and other grains. With continued research and investment in new technologies, the industry will develop and facilitate change to even more environmentally friendly fuels such as cellulosic ethanol created from waste wood, citrus and food processing wastes and even garbage.

But this is far from enough according to Shirley Ball, Executive Director for EPAC; "To find true and long-lasting sustainable solutions, corporate self interests and political polarization and agendas must be set aside. We must band together in the fight for Energy Independence here in the United States and around the globe."

EPAC urges the public on this July 4th, and for the rest of the year, to stand up and help create our Energy Independence. Take steps to conserve fuel, fill up with ethanol, make your next car flex-fuel and choose E85 for your flex-fuel vehicle. And, if you can't find ethanol at the pump, ask your fuel retailer to offer this choice. If we work together, in 2009 and beyond perhaps we will be able to truly celebrate our Energy Independence.

EPAC Conference Agenda 2008

Conference registration is available by calling 406-785-3722 or going on line to www.ethanolmt.org and printing the form, complete it and fax to 406-785-2252.

Sunday, July 20, 2008

| | |
|---|---|
| 8:00 a.m. | Vendor Trade Show booth setup - Glacier IV |
| 8:30 - 10:30 a.m. | EPAC Board and Membership meeting, Annual Report and Election of Board - Logan Room |
| 10:30 a.m. - 12:00 Noon 4:30 - 7:30 p.m. | Registration - Foyer |
| 11:00 a.m. - 5:00 p.m. | Optional: Bus to Glacier National Park, Board Jammer Bus, tour on Going-to-the-Sun Hwy, tickets needed. Transportation sponsored by <i>National Biodiesel Board</i> |
| 6:00 - 7:30 p.m. | Opening Reception - Glacier III; Light Buffet and Beverages sponsored by <i>KATZEN International, Inc and CHS.</i> |

continued to page 4

Monday, July 21, 2008

| | |
|--------------------|--|
| 7:15 a.m. | Registration Continues |
| 7:30 - 8:15 a.m. | Breakfast sponsored by <i>LECG, Inc.</i> - Glacier IV |
| 8:15 a.m. | Conference Opens - Glacier I and II "Welcome to EPAC Conference" - Shirley Ball, Executive Director, EPAC "Welcome to Montana" |
| 8:45 a.m. | "Continuing to Grow the Industry" - Dave Vander Griend, President & CEO, ICM, Inc. |
| 9:15 - 9:35 a.m. | "Food and Fuel, Proving the Pooint: 1981 - 2008." - Shirley Ball and EPAC members |
| 9:35 - 10:00 a.m. | "Wheat DDG in the Human Diet." - Alphonsus Utioh, Manager, Product & Process Development, Food Development Center, Portage la Prairie, MB, Canada |
| 10:00 - 10:30 | Break sponsored by <i>General Motors</i> Trade Show Area in Glacier IV - Silent auction items |
| 10:30 - 10:55 a.m. | Moderator - EPAC Board "DDGS - More than Meets the Eye." - Kurt Rosentrater, Lead Scientist, Agricultural and Bioprocess Engineer, Ag Research Service, Brookings, SD |
| 10:55 - 11:20 a.m. | "Ethanol Quality Issues" - Kelly Davis, Director of Customer and Technical Services, Hawkeye Gold. |
| 11:20 - 11:45 a.m. | "Inside the Beltway, Responding to the Critics" - Matt Hartwig, Communications Director, Renewable Fuels Association. |
| 11:45 a.m. | Lunch sponsored by <i>Abengoa Bioenergy</i> - Glacier IV "Spirit of Ethanol" Award sponsored by <i>R.J. O'Brien & Associates</i> , Presented by Julie Ward, R.J. O'Brien and Pam Dzick, EPAC Media Campaign - Pam Dzick, EPAC Administrative Assistant |
| 1:00 - 1:25 p.m. | Conference resumes - Glacier I & II - Moderator Michelle Kautz, EPAC Board & Deputy Director, National Ethanol Vehicle Coalition. |
| 1:25 - 1:50 p.m. | "Ethanol on the Canadian Prairie" - Robin Speer, VP, Canadian Renewable Fuels Association Jessica Saunders, Graduate Student, Dept. of Biosystem Engineering at Univ. of Manitoba |
| 1:50 - 2:15 p.m. | "Export Markets for DDG" - Steve Markham, CHS, Inc. |
| 2:15 - 2:40 p.m. | "Impact of Ethanol on Gas and Oil Prices" - John Urbanchuk, Director, LECG, LLC |
| 2:40 - 3:10 p.m. | Break sponsored by <i>General Motors</i> Trade Show Area in Glacier IV - Silent auction items |
| 3:10 - 3:35 p.m. | Moderator - Julie Ward, EPAC Board member and R.J. O'Brien "Funding for Biofuels Projects, Challenges & Opportunities" - David Perlman, Managing Director, Fieldstone Private Capital Group, Inc. |
| 3:35 - 4:00 p.m. | Cellulose Conversion - "Second Generation Biofuels: An Abengoa Perspective" - Gerson Satos-Leon, Abengoa Bioenergy New Technology |
| 4:25 p.m. | "The Road to Market" - Ross Edwards, Market Manager of Corn Feed Products, BNSF Railway |
| 4:50 p.m. | Recap and Recess |
| 5:30 p.m. | Optional: Lonesome Dove, BBQ and Entertainment sponsored by <i>EPIC & Fagen, Inc.</i> Transportation sponsored by <i>National Biodiesel Board</i> |

Conference Sponsors

| | |
|----------------------------------|---|
| Abengoa Bioenergy New Technology | MT Dept. of Environmental Quality |
| Canadian Consulate | Montana Wheat & Barley Committee |
| CHS | National Biodiesel Board |
| EPIC | Northern Broadcasting System |
| Fagen, Inc. | Renewable Fuels Association |
| General Motors | R.J. O'Brien & Associates |
| KATZEN International, Inc. | USDA Biodiesel Fuel Education Program |
| LECG, Inc. | USDA Office of Energy Policy & New Uses |

| | |
|--------------------|---|
| 7:15 a.m. | Breakfast in Honor of Canadian speakers sponsored by <i>Canadian Consulate</i> - Glacier IV Welcoming remarks by Stanley Pence, Trade Commissioner for the Consulate General of Canada. Last Chance to bid on Silent Auction items in Trade Show area. |
| 8:15 - 9:25 a.m. | Conference resumes "Biodiesel" - Moderator - Howard Haines, Bioenergy Program Manager, MT Dept. of Environmental Quality. "Biodiesel Growth in the U.S." - Joe Jobe, Director, National Biodiesel Board "Making it Happen in Montana" - Earl Fisher Biofuels, Chester Montana "Biodiesel Testing Facility" - Gregory D. Kegel, Dean, College of Technical Sciences, MSU Northern, Havre, MT |
| 9:25 - 9:50 a.m. | Break sponsored by <i>General Motors</i> Trade Show Area in Glacier IV - Silent auction items available for pick-up. |
| 9:50 - 10:25 a.m. | Moderator - Linda Nielsen, EPAC Board and Glasgow Sales Yard. "Beyond the 'Square Box' in the Corn Field" - Phil Madson, KATZEN International, Inc. |
| 10:25 - 10:50 a.m. | "Role of DDG in the Prevention, Management and Treatment of Cardiovascular Disease" - Sethi Rajat, Texas A&M Health Science Center |
| 10:50 - 11:40 a.m. | "Flexible Fuel Vehicles and the California Fuel Standard" - Al Weverstad, Executive Director/ Environment and Energy, General Motors Policy Center. "The Renewable Fuel Standard" - Matt Jones, Staff, Senator Max Baucus. |
| 12:00 Noon | Wrap up and final comments. |

EPAC Speakers (continued from last issue)



Steve Markham Commodity Specialists Company

Markham grew up on a dairy farm in Whitewater Wisconsin. Football and an interest in Ag business lead him to South Dakota State where he received a B.A in Commercial Economics and a B.S. in Agricultural Business.

He joined the Pillsbury Company in 1981. In 1993, management and key employees, including

Mr. Markham formed Commodity Specialist Company and purchased the Commodities division from Pillsbury. In Aug of 2007 CHS purchased the Distillers Grain Marketing business, lead by Stave Markham, from the Commodity Specialist Company.

CHS is now the largest marketer of Distillers products with marketing agreements at 28 operating facilities and 3 more scheduled to come on line in 2008. Steve Markham has had a long history of service to the Distillers industry. He formed a group to fund and direct nutritional research, and also directs, funds, and created the first and most popular web site dedicated to information about distillers products, www.ddgs.umn.edu. Mr. Markham lives in Stillwater MN with his wife, daughter, and son.

Earl Fisher BioFuels LLP,

A partnership between Brett Earl and Logan Fisher. Brett and Logan are both fourth generation Montana farmers. They are concerned about the agriculture economy, but hopeful for their small communities and state.

Brett and Logan have education and experience in: production agriculture, chemical engineering, sales, marketing, finance and management and have set out to use these skills for the betterment of their community in and around Chester. The mission at Earl Fisher BioFuels is to create economic growth and employment opportunities by building a biodiesel production facility. This will in turn create a self sustaining industry by creating a market for oilseed crops that can be grown locally, converted to fuel locally, and consumed locally. Their long term plan is to duplicate the process in other small communities throughout the state, making the Chester facility the benchmark and training facility for all future locations. The final production goal for this location will be 1,000,000 gallons per year. They have acquired and installed biodiesel production and storage equipment and are in the process of acquiring oilseed crushing equipment which will be installed in Summer/Fall of 2007. Earl and Fisher are committed to producing a high quality, ASTM-6751 certified B100 to be used as a blending stock. In order to ensure quality control of their product they have just finished installation of an in house lab were Brett Earl (chemical engineer) will formulate and test fuel as well as conduct research and development trials of new products.



Alan R. Weverstad

Executive Director, Environment, Energy and Safety Policy, Public Policy Center, General Motors Corporation

Mr. Weverstad began his career in 1971 in the engineering area with Pontiac Motor Division where he worked as a design release & development engineer in the chassis and engine development sections. In 1985 he became a part of the Chevrolet-Pontiac-GM of Canada team where he was involved in the emission certification of 77 engine families. He then joined the Marine Engine Division and in 1991 moved to the Environmental Activities Staff and GM Research working on vehicle emissions issues.

Mr. Weverstad is a member and past chairman of the California Fuel Cell Partnership; member and past chairman of the Alliance Mobile Source Committee; chairman of the Engine Manufacturers Association; on the board of directors for the Electric Drive Transportation Association; on the board of advisors for UC Riverside and California H2 Highway; and is a member of the Governor's Michigan Climate Action Council.

Mr. Weverstad is a graduate of General Motors Institute and holds a Bachelor of Science degree in Engineering from Oakland University.

David Perlman

Fieldstone, Private Capital Group

David joined Fieldstone in 1999. He has provided strategic and structuring advisory services and debt and equity financings for public, private and governmental entities in the electric power, electrical equipment, gas, coal and nuclear fuels industries. Prior to joining Fieldstone, he was a Director at ABN AMRO Incorporated, in their investment banking subsidiary, responsible for electric and gas utility and project finance origination and structuring. He previously spent six years as a Director and Vice President in Salomon

Brothers' Global Power Group and three years doing structured project finance transactions for the power industry at Commercial Union Capital Corp.

David holds an M.B.A. with high distinction (1980) from the Amos Tuck School of Business at Dartmouth College and M.Phil.(1978) and B.A.(1970) degrees in Mathematics from Yale University.



Gerson Santos-Leon • Executive Vice President, Abengoa Bioenergy New Technologies

(formerly known as Abengoa Bioenergy R&D). He leads a multidisciplinary team of engineers and scientists based in the U.S. and Europe in the research, development, demonstration, and commercialization related co-products, and utilization technologies. Prior to Abengoa, he led the Biofuels Program at the U.S. Department of Energy (DOE) where he was responsible for the development and implementation of the program's strategic plan, technology and business management process. While at DOE he provided oversight over a large number of federal and private contractors responsible for the biofuels program day to day activities. He has been a member of several federal management boards responsible for evaluating and developing energy programs. He has over twenty years of experience in the energy sector developing nuclear and renewable technologies. He holds a Chemical Engineering degree from the University of Puerto Rico.

**Alphonsus Utioh
Manager of Product and Process Development,
Food Development Centre**

Utioh has over 20 years experience in the agri-food industry and is well known in the agri-food research community in Canada. He has conducted and managed many food processing research and development projects including extraction and concentration



of high-value components from fruits, vegetables, grains and oilseeds. Areas of professional expertise and interest include supercritical fluid extraction for high-value bioactive compounds, membrane filtration, spray drying technology, functional food formulations and processing. He has extensive experience in many unit operations ranging from prototype development to pilot scale processes. He also has a broad knowledge of food regulations, HACCP and food safety. He is currently managing research projects on seabuckthorn processing and product development, biorefinery for wheat-based ethanol and co-products utilization, flax utilization for functional food development, steam distillation for essential oils, developing foods for baby boomers and older consumers, etc. that are being carried out at the Food Development Centre. Alphonsus and the Food Development Centre is a member of the Manitoba Agri-Health Research Network, dedicated to the promotion of functional food and nutraceutical research commercialization in Manitoba, both nationally and internationally. Alphonsus has a Bachelor of Science in Chemical Engineering from the University of Ottawa and Master's degree in Chemical Engineering from the University of Saskatchewan. Alphonsus is a registered Professional Engineer with the Association of Professional Engineers and Geoscientists of Manitoba, and a member of many scientific/industry associations.



Jessica Saunders - Program: M.Sc. Biosystems Engineering (2009) Univ. of Manitoba, Research area: Bioethanol Productions - Advisor: Dr. Levin

B.Sc. Chemical Engineering (2001) from McGill University, B.Sc. Biology (2007) from University of Victoria. Worked for two years as a Process Engineer with NorskeCanada, a pulp

and paper company, and for one year as a Field Engineer with Schlumberger Oilfield Consulting.

Kelly S. Davis
Director of Technical & Customer Services,
Hawkeye Gold, LLC

Hawkeye Gold markets Fuel Ethanol and DDGS from the Hawkeye production facilities located throughout Iowa. Ms. Davis holds a Bachelor of Science in Chemistry from Marshall University in Huntington, WV. She has over 25 years experience in the grain processing industry with emphasis in ethanol production for fuel, industrial and beverage purposes. She is an active member with ASTM and a member of the E85 task force. She is the current Chair of Technical Committee for the Renewable Fuels Association of Washington, DC.

Howard Haines

Senior Engineer for biomass and developing fuel technologies and DEQ's Bioenergy Program Manager and engineer for bio-energy activities since 1982. His work with energy and chemical engineering extends over 29 years, with the last 23 years in state government. This work covers biofuels, transportation, power and heat production, and air quality issues. Howard's energy experience includes assisting in the development of commercial enterprises. He has conducted educational and instructional activities on energy and the environment with professional technical societies, nonprofit organizations, high schools, and local colleges. In addition, he has worked to develop projects partnering private, state, and federal organizations. These include the Truck in the Park Biodiesel Demonstration that has developed into the largest mission-oriented biodiesel market in the country. He also conducted the Snowmobile in the Park Demonstration of bio-based fuels and lubes, and the Society of Automotive Engineers' Clean Snowmobile Challenge. He has received DOE Program Achievement Awards (1983 and 2000), an EPA Outstanding Achievement Award for Teamwork and Environmental Stewardship, a CONOCO President's Award for the Environment, Top Honors DuPont President's Award for the Environment and Safety, a National Park Foundation Environmental Conservation Award, and the Awards for Outstanding Achievement from Society of Automotive Engineers' Award for the Clean Snowmobile Challenge (2001, 2002, 2004). He has assisted with or authored over 157 articles and publications. Howard will provide technical analysis and expertise to help develop new projects and partnerships, and assist with reporting, outreach, and technology transfer.

Gregory D. Kegel
Dean for the College of Technical Science, Montana State University-Northern

Since his appointment, Dean Kegel has worked to expand Northern's technical programs including establishing two-year associate programs in trades craft such as plumbing, carpentry, construction and electrical. He has also worked to strengthen the co-op student program for diesel and automotive students with summer internship programs with national and international businesses such as Kiewit, Fairbanks Morse, Foundation Coal, General Electric, Toyota, and Ford. Dean Kegel helped secure over five million to build the new Applied Technology Center, which houses the Bio-Energy Innovation and Testing Center and has been successful in obtaining numerous federal appropriations and grants. The Dean has worked to foster productive industry linkages that have proven beneficial to MSU-Northern and industry by providing contract training for Ford, Case New Holland, Toyota, Montana State Department of Transportation, and others. Previous to his appointment, Dean Kegel was a professor at MSU-Northern and a training specialist for Autodesk, Inc. Mr. Kegel received a Masters of Sciences degree from Central Washington University.

Robert White
Deputy Director, EPIC

EPIC is a nonprofit alliance of ethanol industry leaders who have come together to grow consumer demand for ethanol energy through targeted marketing. The goal is to reach consumers and key influencers across the nation and educate them on the performance and environmental benefits of using and ethanol-enriched fuel in their automobiles. The Ethanol Promotion and Information Council (EPIC) unveiled the first issue of Ethanol Retailer magazine in February 2008 and the magazine is dedicated to reaching over 22,000 independent fuel retailers from their own viewpoint. The quarterly magazine addresses ethanol from a business case, and includes the latest ethanol news, facts and resources, fuel retailer success stories, and ethanol government updates. Robert's presentation at the EPAC conference will address consumer polls and marketing of Ethanol.

Robin Speer
Vice President, Canadian Renewable Fuels Association

Robin has over seven years experience working in the policy-making arena at the federal level, four years of which were spent on Parliament Hill in Ottawa. Raised in west-central Saskatchewan, he was educated at the University of Saskatchewan (BA - Political Studies) and the University of York (MA - Public Policy and Management).



Stan Pence

**Energy, Mining and Environmental Industry Trade
Commissioner, Consulate General of Canada (located
in Denver)**

Stan is responsible for Canada-U.S. trade/commerce relations in the states of Colorado, Utah, Montana, and Wyoming. His primary focus is on the extractive industries, concentrating on developing commercial links between Canadian and U.S. businesses along the "Rocky Mountain Corridor" from the Arctic to New Mexico.

Prior to joining the Canadian government, Stan worked for Xcel Energy in Denver for the company's corporate finance and energy trading divisions. He has a trading background having spent a decade in New York working for a number of Wall Street firms in fixed-income sales.

Stan received his Masters of Business Administration in Finance from Boston University, and received a Bachelor of Science degree in Economics and French from the University of California at Berkeley. He also attended the Ecole des Hautes Etudes Commerciales in Paris, a leading French business school and is bilingual in French and English.

Ross Edwards

**Market Manager of Corn Feed Products, BNSF
Railway**

Prior to working for the BNSF Railway, Ross worked for Archer Daniel Midland where he had numerous jobs, including Corn Product Line Manager for the Western U.S. and Assistant Product Line Manager on the Soft Red Winter export desk.

Ross is a graduate of Texas A&M University.

DUAL, EFFICIENT FUEL SOURCES

**Poet Plant Displaces Natural Gas with Waste Wood,
Landfill Methane Gas**

Taken from the Biofuels Journal

By spring 2009, a POET ethanol plant in Chancellor, SD will use a combination of methane gas from a municipal landfill and waste wood chips to partially power the plant.

The POET Biorefining-Chancellor plant expects to replace more than 70% of its natural gas usage by 2010, with use of the two power systems, according to General Manager Rick Serie.

Wood Waste Power

To generate power from waste wood chips, the plant, as part of an expansion from 45 to 100 million gallons per year (MMGY), is installing a solid waste fuel boiler.

This alternative energy system, said Serie, is expected to generate enough steam for more than half of the expanded plant's power needs.

POET contracted with Mueller Pallets of Sioux Falls, SD for a supply of wood chips from used pallets and other construction waste to fuel the boiler.

"The pallet company will shred the wood prior to delivery to the plant," said Serie.

The boiler will be outfitted with state-of-the-art pollution control equipment that extends state and federal standards and will be continuously monitored.

"It will also cut down on the volume going into the landfill while producing a green fuel from a green fuel," Serie said.

Methane Power

Besides wood waste, another waste-produced fuel will power the Chancellor plant - methane gas from a nearby municipal landfill. "We recently signed a supply agreement with the City of Sioux Falls to lay down a 10 mile pipe-line from the landfill to our plant," Serie said.

POET will pay for the supply of gas, but will be paying less than the current price of \$10 to \$11 per million BTUs (dekatherm) for natural gas.

He said POET originally entered into negotiations with Sioux Falls two years ago, when natural gas was selling for \$7 per million BTUs.

Short Payback

The cost to install both systems will be about \$25 million, Serie said.

Although he declined to reveal the payback period for these alternative power sources, he said it was a "very short payback period at \$7 per dekatherm."

Together, the two technologies will displace 70% of the plant's natural gas usage in the first full year of operation.

As Methane production from the landfill increases, it has the potential to completely eliminate the use of natural gas at the plant, Serie said.

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