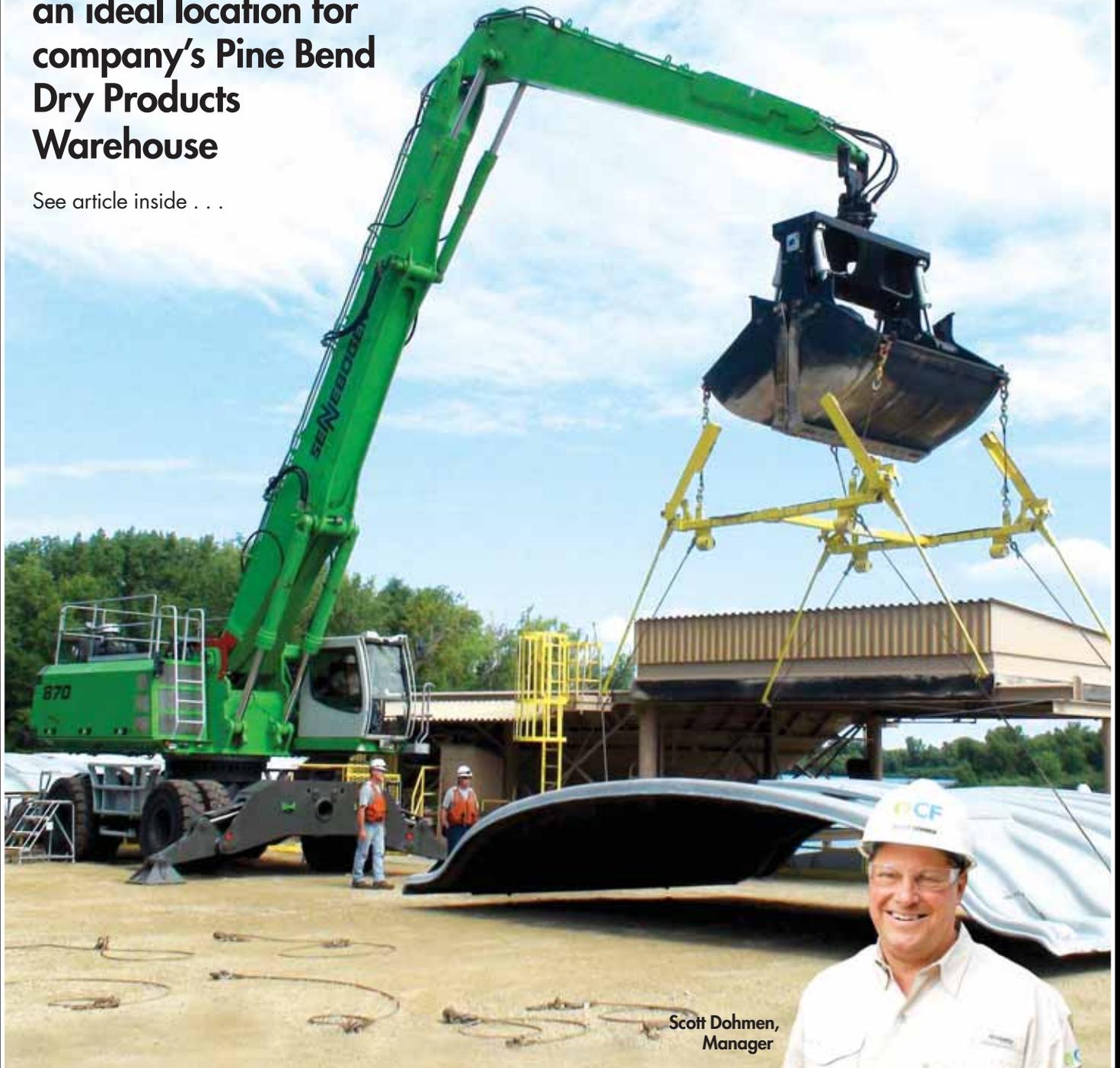


CF INDUSTRIES

Rosemount, Minn., proves to be an ideal location for company's Pine Bend Dry Products Warehouse

See article inside . . .



Scott Dohmen,
Manager

A MESSAGE FROM THE PRESIDENT



Mike Sill II

**Specialty
machines are
often best for
challenging
conditions**



Dear Valued Customer:

Congress first proved it could work in a bipartisan fashion when it passed a new water-resources bill that provides more than \$12 billion in spending throughout the next decade. Then, it passed a nine-month extension to the previous highway bill, which will provide \$11 billion for road and transportation projects through May of 2015. Of course, we still need a long-term solution. I encourage you to contact your representatives and emphasize how important such legislation is – to our industry and to our nation as a whole.

Many of you work on utility and highway projects that are funded by such bills, so you know that typically those jobsites are congested and space is at a premium. Working in those types of conditions can be difficult. Often, only a specialty machine, such as Komatsu's new tight-tail-swing PC228USLC-10, will do. It's the perfect machine to provide the power you need to dig and load without worrying about a large counterweight hitting something while you swing. You can read more about this innovative excavator in this issue of your *RMS Road Signs* magazine.

Komatsu uses its excavator technology in more than just its base machines. For instance, several pieces of equipment use this technology, including the PC210LC-10 Waste Handler and the PC240LL-10 Log Loader. Find out how these unique machines provide efficiency and production when working in challenging conditions.

Dash-10 model machines are covered by Komatsu CARE, which provides complimentary scheduled service for the first three years or 2,000 hours. Our certified technicians perform the services at times and locations that are convenient for you. We also offer cost-effective service on older machines, including major items such as rebuilds. I urge you to contact us to find out how RMS can minimize your downtime, maximize your uptime and extend the life of your machinery.

If there's anything we can do for you, whether it's parts, service or equipment sales or rentals, please call or stop by one of our branch locations.

Sincerely,
ROAD MACHINERY & SUPPLIES CO.

Mike Sill II
President and CEO



ROAD SIGNS

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IN THIS ISSUE

CF INDUSTRIES

See why Rosemount, Minn., proved to be an ideal location for this company's Pine Bend Dry Products Warehouse.

ROAD TRIP

Here's a recap of the 13th annual RMS Adventure Tour, which rolled through eastern and southeast Iowa this summer.

GUEST OPINION

National Association of Home Builders Economist Robert Dietz explains how the right policies will lead to further industry expansion.

HEALTH CARE NEWS

Find out what the Patient Protection and Affordable Care Act means for contractors.

INNOVATIVE PRODUCT

Learn about the new tight-tail-swing PC228USLC-10, which provides more horsepower and greater stability.

NEW PRODUCT

Check out the new PC210LC-10 Waste Handler with a rugged design to provide maximum uptime in tough applications.

FORESTRY NEWS

Discover how Komatsu designed its new PC240LL-10 Log Loader for increased production.

"BREAKING" NEWS

See how crushing and screening contractors could find greater efficiency and cost savings with an Xcentric® Ripper attachment.



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www.rmsequipment.com

SAVAGE

Corp. Headquarters
5633 W. Highway 13
Savage, MN 55378
(952) 895-9595
(800) 888-9515

DULUTH

314 Garfield Ave.
Duluth, MN 55802
(218) 727-8611
(800) 888-9535

VIRGINIA

315 N. Hoover Road
Virginia, MN 55792
(218) 741-9011
(800) 752-4304

NEGAUNEE

75 US Highway 41
Negaunee, MI 49866
(906) 475-6488

DES MOINES

100 Sheridan Street
Des Moines, Iowa 50313
(515) 282-0404
(800) 555-1445

SIoux CITY

1400 North Highway 75
Sioux City, Iowa 51105
(712) 252-0538
(800) 633-9104

CEDAR RAPIDS

2525 16th Ave.
Cedar Rapids, Iowa 52406
(319) 363-9655
(800) 616-6615

MILAN

606 West 10th
Milan, Illinois 61264
(309) 787-1742
(800) 633-9114

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VP Northern Operations

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CF INDUSTRIES

Rosemount, Minn., proves to be an ideal location for company's Pine Bend Dry Products Warehouse



▶ VIDEO
Scott Dohmen,
Manager

Location plays an important role in most businesses. Stores want to be in high-traffic areas that are highly visible. Companies such as CF Industries rely more on locating their facilities in places that allow them to deliver products to their customers as efficiently as possible.

One of CF Industries' prime locations is its Pine Bend Dry Products Warehouse in Rosemount, Minn. Located along the Mississippi River, the facility is a strategic distribution point that serves the Upper-Midwest states of Iowa, Minnesota, Wisconsin, North Dakota and South Dakota, as well as parts of Canada.

The Pine Bend Dry Products Warehouse mainly handles dry granular urea produced by CF Industries, which is commonly used as fertilizer in agricultural applications. CF Industries barges it up the Mississippi River to Pine Bend, from one of the company's manufacturing plants that's located in Donaldsonville, La., and delivers it by rail from other locations. Product is also shipped via rail to a variety of agricultural retailers.

"A fair percentage of our product is delivered by trucks," said Manager Scott Dohmen. "We're in an ideal location in relation to Interstates 35 and 94 on the southern edge of the Twin Cities, which is outside of the metro area. We're typically

loading 75 to 80 trucks a day, and the drivers appreciate that they can get in and out quickly without the high-traffic hassles. It's convenient from a rail standpoint too."

Pine Bend has a storage capacity of up to 200,000 tons, and Dohmen said it varies from day to day and month to month as to how much product is on-site.

"We have times when the product is shipped out about as fast as it comes in, which is especially true in the spring when the planting season rolls around, but overall, things stay fairly consistent," said Dohmen. "In the spring we load considerably more trucks, and on our largest day, we loaded 399. We also store product throughout the year, including during the winter, to be ready for spring. We always have some product readily available."

Sole focus on nitrogen products

CF Industries continually strives to have fertilizer available when and where its customers need it. The company was founded in 1946 by a group of farm cooperatives. Originally Central Farmers Fertilizers Company, the name was changed to CF Industries in 1970. As a distributor, its aim was to provide a reliable source of fertilizer to its members. It achieved that and grew, by adding manufacturing. Eventually it became one of North America's largest manufacturers and distributors of nitrogen fertilizer. During its nearly 70-year history, CF Industries also handled phosphate mining and manufacturing and potash distribution.

Earlier this year, the company sold its phosphate mining and manufacturing operations, leaving its sole focus once again on liquid and dry nitrogen products. Headquartered in Deerfield, Ill., CF Industries has seven manufacturing plants in the United States and Canada and dozens of distribution terminals located throughout both countries.

One of CF Industries' prime locations is its Pine Bend Dry Products Warehouse in Rosemount, Minn., which mainly handles dry granular urea produced by the company. Located along the Mississippi River, the facility is a strategic distribution point that serves the Upper-Midwest states of Iowa, Minnesota, Wisconsin, North Dakota and South Dakota, as well as parts of Canada.





Operator Jerod Huppert unloads a barge with a SENNEBOGEN 870 M material handler. "It's ergonomically friendly," said Huppert of the 426-horsepower machine equipped with a 7-yard Rotobec clamshell bucket. "I like the joystick controls, and it's simple to use."



Within the next couple of years, CF Industries will complete expansions of two of its facilities, including the one in Donaldsonville and another in Port Neal, Iowa, that will increase its manufacturing capacity by 25 percent and make the company the world's largest nitrogen producer. Dohmen said he expects more product from Donaldsonville to come to Pine Bend after that facility's expansion is complete.

Changes for the better

Dohmen began working at Pine Bend when CF Industries started operations there in the early 1980s, after buying the existing facilities. He said he has seen considerable changes during that location's nearly 30-year history.

"When I first started, there was basically a spring season and a fall season, and not much going on in between," Dohmen recalled. "Today, things stay fairly steady throughout the year. Much of that can be attributed to changes in agriculture and the customers. Thirty years ago there were a lot of small-town elevators with bins that held 26 tons. Now the bins hold 26,000 tons, and they are consistently full, so we aren't seeing the major spikes like we did before. Even during the winter, we're still loading about the same

number of trucks that we do during the spring, and some days more."

Like Dohmen, several other Pine Bend staff have witnessed the change. "CF Industries started operations here in the early 1980s after purchasing the facility," said Dohmen. "Some employees stayed on and are still working here today. We have a great group of about 35 people that are dedicated to serving our customers. We run two shifts a day, but our staff would work around-the-clock, seven days a week if necessary."

Even with that much activity, Dohmen said that Pine Bend's safety record remains sterling. "Throughout the years, we've developed and adopted a very good safety culture that everyone takes very seriously, and thanks to that, we're approaching 10 years without a lost-time accident."

SENNEBOGEN material handlers are a perfect fit

Pine Bend made another major change this year when it purchased two 165,000-pound SENNEBOGEN 870 M material handlers for offloading barges. The new material handlers replaced two older cranes. The material

Continued . . .

Go online or scan this QR code using an app on your smart phone to watch video.

CF Industries invests in its high-quality product

... continued



Jonathan Dohmen,
Supervisor

handlers have a working radius of up to 68 feet, 11 inches and a 66-foot reach. Pine Bend equipped the 426-horsepower machines with 7-yard Rotobec clamshell buckets.

"We considered several options when we looked at new machines, and the SENNEBOGEN material handlers clearly stood out," said Dohmen. "Our operators had the opportunity to check them out and really liked the way they performed. Some of us also visited businesses that were using SENNEBOGEN, and each one of them told us that their operators preferred SENNEBOGEN to the competitive brands they had.

"We chose the 870 M because it was the right fit for our dock size, in terms of reach, working radius and other factors, and I have to give

credit to Road Machinery & Supplies and our Territory Manager Gordon Johnson for helping us through the process of determining the right-size machines," he added. "Since we've had them, our production rate has increased, so our time to unload a barge has dropped considerably. Our operators like that the cab raises up to 21 feet because it allows them to see into the barge, and they also have excellent visibility all around. These machines can easily unload product, and they also have the lift capacity to place a small loader on the barge for cleanup.

"I also like that they are rubber-tired machines, so we don't have an undercarriage," Dohmen continued. "We can drive them to the wash bay or anywhere else and not tear up the asphalt. Not having an undercarriage also reduces our costs because we don't have to worry about the maintenance that goes along with it."

An auto-lube system keeps daily maintenance down as well. Because the machines are fairly new, maintenance has not been an issue yet, and Pine Bend is working closely with Road Machinery & Supplies to determine future needs.

"Our relationship with RMS goes back a very long way," said Dohmen. "Our Product Support Representative Dan Erickson sat down with us each year to determine what was needed to keep our old cranes up and running, and they did an excellent job of staying on top of our equipment needs. We'll do the basic maintenance going forward, but we want to be sure we get it right, so Dan and RMS' service techs are helping us right now, and we appreciate it."

Maintaining quality

In addition to new equipment, CF Industries has invested in Pine Bend's infrastructure. Recent improvements include a new conveyor system from the dock to the warehouse.

"The company has always been willing to invest to maintain its high-quality product, which is another reason why customers continue to turn to CF Industries, and I think that will be the case for a long time to come," said Dohmen. "This is a unique facility because we only handle dry product, which will remain the case going forward." ■

(L-R) CF Industries Supervisor Jonathan Dohmen and Manager Scott Dohmen meet with Road Machinery & Supplies Product Support Representative Dan Erickson and Territory Manager Gordon Johnson. "Part of the reason we chose SENNEBOGEN material handlers was the service we've received from Gordon, Dan and RMS throughout the years," said Scott.



Operator Mike Feidt moves covers from a barge with a SENNEBOGEN 870 M at the Pine Bend Dry Product Warehouse in Rosemount, Minn.

▶ VIDEO



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MEMORIES FROM THE 13TH ANNUAL ADVENTURE TOUR

RMS bike ride rolls through eastern, southeast Iowa



Aaron Slota,
RMS Regional
Rental Manager,
Southern Operations



Chuck Gallagher,
General Manager,
Iowa Operations

(L-R) Lisa Busta,
Brad Johnson of
RMS and Harold
Busta with Croell
Ready Mix meet
before the ride.



RMS' Steve Meyer (left) and Dale Ronfeldt of Soil Solutions arrive in Dubuque the night before the ride.



Jay Robinovitz of Alter Trading and his wife, Judi, are ready to ride.

The thirteenth annual RMS Adventure Tour was a memorable one. Riders were greeted by spectacular weather as a “polar vortex” swept south through the Midwest, bringing with it nearly cloudless skies and mid-70-degree temperatures.

The bike ride kicked off with a “Fire Up” event at the Hilton Garden Inn and adjacent Mystique Casino in Dubuque on the eve of the ride. Participants were treated to dinner and could take black jack and craps lessons before hitting the casino.

The ride began from the hotel parking lot and trekked southwest on mainly back roads and byways for about 270 miles before riders pulled into Honey Creek Resort near Moravia. Along the way, there was a rest stop in Clarence, gas stops in Nichols and Eldon and a catered lunch was provided at Railroad Park in Riverside. Dinner was served on the patio at Honey Creek, which offered a great view of Lake Rathbun.

Continued . . .

RMS COO David Johnson (left) talks with Story Construction's Pete Lonergan during the “Fire Up” party.





The terrain included plenty of hills, valleys, curves and straightaways as riders made their way through east and southeast Iowa. They trekked about 270 miles.



(L-R) Kathy and Reg Sachs of Martin-Marietta catch up with KPI-JCI's Wade Lippert at the "Fire Up" party.



Komatsu America's Jenkins Davis (blue shirt) socializes with customers during the pre-ride party the night before the Adventure Tour.

RMS Territory Manager Brad Johnson (center) poses with Lori Trappe and Kevin Welch of Welch Excavating.



A group rode into Dubuque together, including (L-R) Bonnie Raske and her husband, Craig, of Knife River, RMS COO David Johnson and Gary Knutson of Felling Trailers.



Riders could fill up at two gas stops along the way.



Riders pull into Railroad Park in Riverside (below) where a catered lunch was provided.



Black jack and craps lessons were available during the "Fire Up" party, which was held at the Dubuque Hilton Garden Inn, adjacent to the Mystique Casino.



Scan this QR code using an app on your smart phone to watch video of the RMS Adventure Tour.

Pleasant weather adds to fun of annual bike ride

... continued



A group of riders make their way along Highway 22 before the first gas stop in Nichols.



Pat Kramer of Kluesner Construction and his wife, Beth, visit on the patio at Honey Creek.



Andy Wilken with Wilken Auto Wrecking and his wife, Sara, prepare for the Adventure Tour.



The ride included scenic byways, such as County Road J3T in southeast Iowa, near Drakesville.



Rob Anderson of NCIRSWA and his wife, Mindy, appreciate the view of Lake Rathbun from the patio of Honey Creek Resort.



This year's ride was organized by RMS Regional Rental Manager, Southern Operations Aaron Slota. He took over the duties from longtime organizer Larry Smith, who retired. Slota said he began preparations a few months ago, mapping the route from a combination of previous rides and hitting the road himself.

"It was enjoyable, especially getting to know some of the riders who I hadn't had the opportunity to meet before," said Slota, who joined RMS about a year ago. "Everyone seemed to enjoy the ride, and, of course, raved about the weather. I want to thank them for taking the time out of their busy schedules to attend, and I want to thank our sponsors for helping put on this event, as well as RMS personnel. I'm looking forward to mapping next year's ride."

In addition to RMS, sponsors of this year's Adventure Tour included Komatsu, Dynapac, SENNEBOGEN, KPI-JCI, Gomaco, NPK, Broce Broom and Gorman-Rupp. ■

In memory of...



This article is dedicated to longtime RMS Adventure Tour rider Fred Lukins, who was tragically killed in a car accident on September 22, 2014. (Above, L-R) Fred visits with RMS' Chuck Gallagher and Fred's good friend Kevin Heck of Soil Solutions at a stop during the 2013 Adventure Tour. Fred will be greatly missed, and we extend heartfelt condolences to his family and friends.

HOUSING SPURS JOB GROWTH

NAHB economist says right policies will lead to further industry expansion

The health of the housing market is key for the overall state of the U.S. economy, and housing stands poised to serve as an engine of job growth with the right policies in place. During the past two and a half years, home building and remodeling has generated more than 274,000 jobs. This expansion has direct economic benefits. Housing provides the momentum behind an economic recovery, because home building and associated businesses employ such a wide range of workers.

The National Association of Home Builders' (NAHB) analysis of the broad impact of new construction shows that building 1,000 average single-family homes generates 2,970 full-time jobs, \$162 million in wages, \$118 million in business income and \$111 million in taxes and revenue for state, local and federal governments. Similarly, construction of 1,000 rental apartments, including units developed under the Low Income Housing Tax Credit, generates 1,130 jobs, while \$100 million in remodeling expenditures creates 890 jobs.

Currently, housing comprises about 15.5 percent of GDP, but the industry still has room to grow. Typically, housing represents 17 to 18 percent of GDP. With a growing population and an aging housing stock, NAHB forecasts that single-family construction will increase by 22 percent in 2014 to 760,000 units, and multifamily production will rise 6 percent to 326,000 units. NAHB also predicts that 2014 will be the first year since 2007 that total housing starts will exceed 1 million homes, and this expansion will produce jobs.

Protect deduction, credit

While we expect home construction to continue to expand and add jobs, builders continue to face persistent headwinds, which include access

to building lots, rising building-material prices, access to builder loans and worker shortages in some markets. Additional challenges relate to the lack of policy in areas connected to housing. To help the industry play its traditional role as a job creator, we call on Congress to ensure that undue regulatory burdens do not hinder economic and job growth. Regulation imposed by government at all levels accounts for 25 percent of the final price of a new single-family home built for sale.

We encourage lawmakers to protect the mortgage interest deduction and Low Income Housing Tax Credit, which are critical to ensuring the growth of the middle class and access to affordable housing. We also urge lawmakers to pass comprehensive housing finance reform that includes a federal backstop to ensure the availability of the 30-year mortgage, increase private capital in the marketplace and protect the American taxpayer, which would be a net positive for job creation. ■

National Association of Home Builders Economist Robert Dietz recently urged the Senate Banking Committee's Subcommittee on Economic Policy to protect the mortgage interest deduction and Low Income Housing Tax Credit, which are essential elements to a strong housing industry that serves as an engine of economic and job growth.



Robert Dietz,
Economist,
National
Association of
Home Builders



OBAMACARE AND YOU

What the Patient Protection and Affordable Care Act means for contractors

This article is based on information presented at a CONEXPO seminar entitled, "Health Care Reform and How Your Decision Will Affect Your Company." Presenters were professionals from the health insurance and benefits industries.

Without insurance, health care, let alone major surgery, is cost prohibitive for the vast majority of Americans. Under Obamacare, what is your obligation – as an employer or an employee – regarding health insurance?

Many contractors are entering an uneasy time. The employer mandate provision of the Patient Protection and Affordable Care Act (ACA), commonly referred to as Obamacare, has been pushed back. It was originally scheduled to begin January 1, 2014, but the government delayed implementation until January 2015 for companies with 100 or more employees and until January 2016 for companies with 50-99 employees. But make no mistake, barring something dramatic and highly unlikely, the Obamacare employer mandate is coming, and as a contractor, you need to know what it means for you.

The ACA employer mandate requires companies with 50 or more full-time or full-time equivalent (FTE) employees to offer "affordable" insurance that meets a required "minimum value" level of coverage. Affordable means the employee's share of the cost is less than 9.5 percent of his annual household income. More than that and the plan is deemed "not affordable" and, therefore, unacceptable. Minimum value means the plan must cover at least 60 percent of the cost of required services. That's known as a bronze-level plan. There's also a silver plan that pays 70 percent, a gold plan that pays 80 percent and a platinum plan that pays 90 percent.

Employers who fail to offer their employees insurance that at least provides for certain essential benefits, such as preventive care, will pay a penalty of \$2,000 per employee. Those who do not offer coverage that meets the "minimum value" requirement or is not "affordable," AND if the employee receives a tax credit for obtaining insurance on his own, will pay \$3,000 per employee. Employers get an exemption from penalties for 30 employees, so the penalty would be the number of full time employees minus 30, times \$2,000 or \$3,000. Both the \$2,000 and \$3,000 penalties are expected to increase each year based on the increase in insurance premiums.

How many firms are impacted?

Officials say there are approximately 6 million total firms in the United States and about 96 percent of them have fewer than 50 employees, which means they are not subject to the ACA employer mandate. That leaves roughly 240,000 companies that employ more than 50 people, and 96 percent of them already provide health coverage for their employees. Therefore, they say the employer mandate provision of Obamacare will impact fewer than 10,000 businesses or less than 0.2 percent of the nation's 6 million employers.

It's not known how many construction companies are among those 10,000 affected, but it's thought to be well above the 0.2 percentage rate for all businesses.

If you own a small contracting firm, and you're never going to approach the 50-employee level, then the ACA employer mandate doesn't affect you and probably never will. Nonetheless, it may be worthwhile for you to look into it because there are incentives, including tax credits, for providing insurance.





If you own a large construction company, you don't have a choice. You have to offer insurance or pay the fines. The government will discourage you from cutting back to get under the 50-employee threshold. Neither will you be allowed to divide your company into two or more different companies in order to get below 50 employees. If you're a good-sized firm, and you don't currently offer insurance to employees, you should be planning your strategy for dealing with the ACA.

To grow or not to grow

But what if you're Mr. In-Between? You're close to 50 employees now, or soon could be. In that case, you have a decision to make. Do you take a chance and grow, even though it will subject you to the Obamacare employer mandate? Or do you try to stay right where you are, or even scale back a bit?

There's no question that many contractors are taking a wait-and-see approach. Experts say that's understandable and reasonable.

"Contractors are experts at running numbers," said Jeffrey Bennett, a Principal of Direct Retirement Solutions, in an article in the March 2014 issue of *Utility Contractor* magazine. "They need to do the same thing for Obamacare. Calculate the cost of compliance before you panic. It might not be all that bad. Perhaps a more important question is: what will it cost your business to stay under 50 employees? I believe that business either grows or it dies. Limiting the growth of your business

to avoid a government regulation can be like shooting yourself in the foot."

Whether you are on that 50-employee dividing line or over it, you'll have to do what you've always done – weigh the pros and cons and make a sound business decision. You may find you need outside help from an accountant or attorney, or perhaps a benefits consultant who specializes in working with construction companies. It may also be helpful to talk to friendly competitors who are facing the same issue.

Factors to consider

Of course, there is no one-size-fits-all answer for any of the questions raised by Obamacare. The right answer will depend on your specific circumstances. Factors to consider include:

- What will it cost you to insure employees (employer contributions are tax deductible)?
- What will it cost you not to insure your employees (penalty payments are not tax deductible)?
- Would your employees value insurance coverage?
- Do you do much "prevailing wage" work (the fringe benefit portion may be used for insurance)?
- What's the economy like? Can you grow your business if you want to?

"When we model out the scenario for large companies to determine whether a client will be better off dropping out and paying the penalty or

Despite significant improvement in recent years, construction remains one of the world's most dangerous industries. Beginning in January 2015, construction companies with more than 100 employees will be required to offer insurance to their employees or pay a penalty. Companies with 50-99 employees will face the same requirement beginning in January 2016.

Continued . . .

Companies weigh their health-care options

... continued



Henry Beceiro,
Vice President,
Alliant Insurance
Services

offering insurance, we've found that most would probably come out ahead financially by paying the penalty – at least initially," said Henry Beceiro, Vice President, Alliant Insurance Services, who was lead presenter at a CONEXPO 2014 health insurance seminar. "But when you take into account the tax considerations, many of my clients discover the difference between 'paying' or 'playing' is actually pretty close."

And if it is close, one overriding factor might push you toward 'playing,' and that's employee satisfaction.

"When we survey workers across the country, one of the things they say they like best about their jobs are the benefits their employer provides," Beceiro noted. "If, as an employer, you decide to just pay the fine, your employees will be out on their own looking for insurance as individuals, which will almost certainly be more costly to them than the same coverage through you as an employer.

"If you don't offer insurance and a competitor does, do you think your employees might leave you to work for that competitor?" he asked. "How important are your employees to you? Do you care if they leave? If many did leave because of the issue, would that impact your bottom line? Those are critical questions that each contractor will probably want to answer before deciding to simply pay the penalty."

Be informed and keep employees informed

The employer mandate section of Obamacare is all about offering coverage to your employees –

not their families. While it may be a good idea to offer coverage that includes dependents, you are not required to do so. Also, you're not responsible if an employee chooses not to take the insurance you offer.

"Many employers say their employees don't want insurance if it means less take-home pay – but no insurance is not really an option any longer," said Beceiro. "Remember, in addition to the employer mandate, there's also an individual mandate that requires almost every American to have health insurance or pay a tax penalty. Granted, the individual penalty for being uninsured is fairly small initially (\$95 in 2014), but it goes up quickly (\$600 in 2015 and who knows where from there).

"As to whether employees will take insurance if offered and how they will feel about it will largely be determined by how informed they are," he added. "They need to know the facts. Fact one is, like the employer, they too must 'play' or 'pay.' Fact two, they should be made aware that the average deductible on an exchange plan for an individual is \$5,000. Fact three, the list of doctors on an individual plan is often about half the size of those available on a group-sponsored plan. So employees have strong incentives to take employer-offered health insurance, and they're likely to do so if it's a fair plan and if the benefits and alternatives are properly explained to them."

Beceiro says that while the specifics of Obamacare and the employer mandate may continue to be tweaked in the months and years to come, he can't imagine wholesale changes in the future.

"Obviously, many politicians dislike the law, as do many Americans, but since the ACA has already been upheld by the U.S. Supreme Court, I don't think there's any going back. The cat is already out of the bag. The best thing a contractor can do is to stay informed, keep his employees informed and figure out how to comply with the law in a way that either benefits his firm or has the least negative impact on it."

The Obamacare Web site is a good place for general information. If you belong to any industry-specific organizations, they too may be good sources for how to comply with the ACA. ■

Employees are not required to accept an employer's insurance offer, but they will be required to have insurance. Individual plans tend to cost more and provide less than group plans.





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INNOVATIVE PRODUCT

INCREASED LIFT CAPACITY

New tight-tail-swing PC228USLC-10 provides more horsepower, greater stability

Having one machine that works equally well in open and confined spaces is a distinct advantage for contractors who perform work in a variety of applications. Komatsu's new tight-tail-swing PC228USLC-10 excavator offers that with upgrades that increase horsepower, lift capacity and stability.

More compact than a conventional excavator, the PC228USLC-10 is ideal for working in confined areas, such as road, bridge and urban projects among others. The boom foot position and raising angle is higher than on the Dash-8 model it replaces, giving the excavator a shorter swing radius. The rounded design lets the cab rotate within

the same swing radius as the counterweight, further enhancing versatility in tight working conditions.

"The PC228USLC-10 provides excellent production on congested jobsites where operators may be close to a building or other obstruction, or on a road project that involves working in a lane of traffic," said Product

Continued . . .



Rob Orłowski,
Product Manager,
Excavators

Quick Specs on the Komatsu PC228USLC-10

Model	Net Horsepower	Operating Weight	Digging Depth
PC228USLC-10	158 hp	54,123-55,336 lbs.	21 ft., 9 in.



Komatsu's new tight-tail-swing PC228USLC-10 excavator's boom foot position and raising angle is higher than on the model it replaces, giving the excavator a shorter swing radius. The rounded design lets the cab rotate within the same swing radius as the counterweight.

Compact PC228USLC-10 ideal for confined areas

... continued

Manager, Excavators Rob Orłowski. "Because it has good power and efficiency, it can also be a good choice for moving dirt in open areas."

Komatsu increased counterweight mass by an additional 2,865 pounds, giving the new PC228USLC-10 improved lift capacity over the front and side of the machine. Additionally, it provides better stability during heavy lifting.

Built for durability, reliability

Durability and reliability are built-in with boom and arms that are highly resistant to bending and torsional stress due to large cross-sectional structures, high-tensile strength steel, interior partition walls and large one-piece castings.

Komatsu's exclusively designed electronic components, such as controllers, connectors, sensors and wiring, have undergone extensive testing to ensure reliability in the harshest conditions. The DT-type electronic connectors are sealed against dirt and moisture and metal guard rings protect hydraulic cylinders. Hoses are equipped with O-ring seals to help prevent leaks. Long replacement intervals for hydraulic oil, engine oil and filters keep the machine up and running for increased production hours.

The Komatsu PC228USLC-10 is equipped with hydraulic system improvements and a Tier 4 Interim engine that increases horsepower by 6.7 percent. The new engine and hydraulic pump control technology improves operational efficiency, speed and productivity while lowering fuel consumption up to 4 percent compared to the previous model.

Added horsepower

The Komatsu PC228USLC-10 is equipped with hydraulic system improvements and a Tier 4 Interim engine that increases horsepower by 6.7 percent. It uses an advanced electronic control system to manage airflow rate, fuel injection, combustion parameters and after-treatment functions to optimize engine performance, reduce emissions and provide diagnostic capabilities.

New engine and hydraulic pump control technology improves operational efficiency, speed and productivity while lowering fuel consumption up to 4 percent compared to the previous model. All major components are exclusively designed by Komatsu to work in harmony and optimize performance.

Six working modes

Operators can also optimize performance and productivity with six working modes and a Power Max control that matches engine speed, pump flow and system pressure to specific application requirements. Improved attachment flow control allows greater flexibility for attachment adjustments. In hard digging, the one-touch Power Max function increases digging force by 7 percent for 8.5 seconds.

Setting modes is done through the large multi-color monitor in the enhanced cab that features a standard high-back operator seat that provides excellent support and comfort for reduced fatigue and increased productivity. The cab is pressurized to minimize dust, offers wide visibility and the cab damper mounts reduce noise and vibration.

"Our previous model really set the standard for tight-tail-swing excavators in the 50,000-pound category, and the PC228USLC-10 builds upon that with improvements that make it one of the most productive, efficient and versatile machines in the industry," said Orłowski. "As with all our Tier 4 models, Komatsu backs the PC228USLC-10 with Komatsu CARE, which provides scheduled factory maintenance for the first 2,000 hours or three years and includes a 50-point inspection with each service." ■



DASH 10 EXCAVATORS

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- Enhanced operator environment improves comfort and machine control.
- Komatsu CARE provides complimentary Tier 4 maintenance, including KDPF exchange filters. Contact your Komatsu distributor for details.

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UP TO THE CHALLENGE

Rugged design of PC210LC-10 Waste Handler provides maximum uptime in tough applications

Waste handling presents unique challenges, such as highly varied material and airborne debris. These conditions are hard on engines and other critical systems, but Komatsu designed the new PC210LC-10 Waste Handler to handle these tough applications with maximum uptime.

“Transfer stations, demolition, scrap handling and recycling require severe-duty machines, and the PC210LC-10 Waste Handler’s features minimize the impact these applications present,” said Rob Orłowski, Product Manager, Excavators. “It allows users to focus on the work and not on whether the machine needs attention because it’s overheating or accumulating excessive airborne debris.”

Several features reduce debris accumulation and improve airflow, including a

high-capacity Sy-Klone® engine precleaner, a remote-mounted A/C condenser, an engine door and hood corrugated screening package, an auto-reversing fan and radiator clean-out covers to keep air flowing through the coolers and make cleaning easier. Engine and hydraulic-compartment gap seals prevent debris from entering the radiator-cooling air stream. A wide core cooling package with wide fin spacing keeps air flowing through the radiator, hydraulic oil and charge air coolers.

The standard auto-reversing fan changes airflow direction to clean screens and coolers at regular intervals. Operators can adjust the intervals to match conditions, and they can manually reverse the fan at any time with the flip of a switch.

Built for severe duty

Komatsu engineered the PC210LC-10 Waste Handler with a severe-duty revolving-frame undercover that has thicker steel for greater protection of internal components. Operators are also well protected from falling debris with standard cab-top guarding. Additional falling-object protection and front window guards are also available.

The heavy-duty boom and arm are made with high-tensile-strength steel and have large cross-sectional areas and one-piece castings in the boom foot and boom and arm tips. The design provides excellent strength and durability.

“With six working modes, operators can match the machine to the working conditions, including everything from high production in tough tasks to better fuel efficiency in light material applications,” said Orłowski. “It’s purpose-built to stand up to practically any waste-handling situation.” ■

Quick Specs on the Komatsu PC210LC-10 Waste Handler

Model	Net Horsepower	Operating Weight
PC210LC-10 Waste Handler	158 hp	50,741 lbs.

Komatsu designed the PC210LC-10 Waste Handler for maximum uptime in severe-duty applications, such as transfer stations, demolition, material handling and recycling.



GREATER LOGGING CAPACITY

Komatsu introduces new PC240LL-10 Log Loader designed for increased production

When it comes to forestry work, you want machinery and attachments that stand up to the rigors of such a tough application. Komatsu provides that with specialty products, including its new PC240LL-10 Log Loader, which features heavy-duty components for better reliability, durability and performance in shovel logging, loading trucks, sorting in a mill yard, processing logs or road building. The PC240LL-10 is the newest member of Komatsu's Dash-10 log loader family, and it shares many design principles, features and benefits of the well-received PC390LL-10.

Typically, Komatsu uses some components from the next-size-larger excavator in its log loaders, such as the swing system and undercarriage," said Steve Yolitz, Manager, Marketing Forestry. "We also upgraded the revolving frame and final drives, as well as redesigned the forestry cab with stronger doors, windows and guarding. The live heel logging boom is redesigned too. Everything except for the grapple is engineered and manufactured by Komatsu to meet its Komatsu Engineering Standards and can be serviced through our distributors as opposed to some items handled by third-party entities."

Customers can now get factory-installed grapples, according to Yolitz. "Komatsu offers a turn-key solution in a powerful machine that meets Tier 4 Interim engine standards with special regeneration logic that notifies the operator that a regen is needed. That gives them the flexibility to select the optimum time and place to do it. The engine has 5-percent greater horsepower and up to 10-percent better fuel efficiency compared to the PC220LL-8 it replaces. In addition, the machine is covered by the Komatsu CARE complimentary scheduled maintenance program for the first three years or 2,000 hours. This is the same program offered

on the Komatsu PC390LL-10 Log Loader and all other Komatsu Tier 4 machines."

Forestry versatility

Although the LL in the model name stands for "log loader," the PC240LL-10's overall rugged design and high and wide undercarriage makes it an ideal platform for other demanding forestry applications such as head processing and road building, according to Yolitz. "For forestry contractors seeking a tracked harvester, the PC240LL-10 can be equipped with an HD boom, an HD arm and a processing head. The machine can also be used for forestry road building applications by equipping it with an HD excavator boom, one of several excavator arms and a variety of Komatsu buckets. With the combined versatility of the PC240LL-10 and the larger PC390LL-10, our distributors can now meet a broader range of their forestry customers' needs." ■



Steve Yolitz,
Manager,
Marketing Forestry

Quick Specs on the Komatsu PC240LL-10 Log Loader

Model	Operating Weight	Net Horsepower	Reach
PC240LL-10	83,895 lbs.	177 hp	38 ft.



Komatsu's new PC240LL-10 Log Loader is built with heavy-duty components and a redesigned cab for greater durability, reliability and performance.



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“BREAKING” NEWS

ROCKIN’ A HARD PLACE

Crushing and screening contractor sees greater efficiency, cost savings with Xcentric® Ripper attachment

Thousands of years ago, a vast sea covered West Texas’ Permian Basin. When it eventually dried up, it left behind a thick deposit of rock that presents challenges to companies such as Mobile Crushing & Screening, which supplies limestone and caliche to a variety of customers in the area.

For years, companies have used the typical methods of blasting and hammering to break up the hard rock material. Recently, Mobile Crushing & Screening decided to try an XR50 Xcentric® Ripper attachment to shear rock off its quarry walls. Owners Blake and John Frerich said the results speak volumes.

“Our production rate is relatively the same as it was before, but we’re finding greater efficiency and savings with the Xcentric Ripper,” said Blake. “It’s more efficient than hammering and pulling down the material. The biggest advantage is it eliminates our need to blast. Using the XR50 has cut our per-ton cost in half compared to blasting, so we’re seeing significant savings.”

Komatsu’s subsidiary Hensley Industries, Inc., recently became the distributor for Xcentric Ripper attachments in 82 countries throughout the world. There are nine models available that fit seven- to 150-ton excavators. The attachments have Xcentric’s patented Impact Energy Accumulation Technology, which features amplified eccentric gears and enables efficient rock breaking. The unique design uses high-frequency impact force, different than traditional hydraulic breakers. Impact frequency varies by model and ranges from 900 to 1,500 beats per minute to help increase production.

“We’re getting more useable material because it virtually eliminates fines associated with blasting,” said John. “We were getting about 30 to 35 percent after blasting. Using the attachment, we’re up to 85 to 95 percent.”

Less maintenance

Xcentric Ripper attachments are made with wear-resistant steel for long life and durability and have a simple structure for ease of maintenance. Unlike traditional hammers, which have to be greased every few hours, Xcentric Rippers require no daily lubrication. The attachments only need greasing every 1,000 hours and use an easily replaceable tooth instead of a blunt bit.

“Less maintenance equates to greater production and lower costs,” said Blake. “That’s a big advantage.” ■



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▶ VIDEO

Blake (left) and John Frerich use an XR50 Xcentric® Ripper to shear walls at their quarry. “We’re getting more useable material because it virtually eliminates fines associated with blasting,” said John. “We were getting about 30 to 35 percent after blasting. Using the attachment, we’re up to 85 to 95 percent.”



FIRSTHAND EXPERIENCE

Komatsu event showcases new dozers that feature *intelligent Machine Control* technology



Peter Robson,
Director of Intelligent
Machine Control

Komatsu recently expanded its *intelligent Machine Control* (iMC) dozer lineup, and customers and distributor personnel got a chance to see and operate several dozers during an iMC event at the Komatsu Training and Demonstration Center in Cartersville, Ga.

Attendees learned about the innovative technology behind the iMC lineup that includes D61i-23 and D39i-23 models, as

well as the D51i-22 dozer. The dozers feature factory-integrated 3D machine control that functions without the blade-mounted masts and cables associated with conventional aftermarket systems. The technology provides fully automatic blade control from rough-cut to finish grade with maximum blade load.

“The feedback we get from users is phenomenal,” said Peter Robson, Director of Intelligent Machine Control. “They see both time and money savings, and with automatic blade control, they get to final grade faster and more efficiently. Additionally, there are no masts or cables to get damaged and replaced, and no one has to climb on the machine to install and detach them. We’re glad so many came to this event and saw the benefits of *intelligent Machine Control*.”

Komatsu also highlighted the latest Topcon technology for productivity reporting and remote machine monitoring. Attendees could see the software that’s designed to work with GPS systems to track production in real time. ■



Komatsu showcased its *intelligent Machine Control* dozers, including D61PXi-23 and D39PXi-23 models, during an iMC experience at its Training & Demonstration Center in Cartersville, Ga.

Komatsu recently added to its *intelligent Machine Control* dozer lineup with the addition of new models, including the D51PXi-22.



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KOMATSU TOTAL SOLUTIONS

New KAC President says finding better ways to meet customers' needs is Komatsu's goal

QUESTION: Komatsu has been very innovative through the years in integrating technology such as KOMTRAX and intelligent Machine Control into equipment. What's next?

ANSWER: Regarding intelligent Machine Control (iMC), we started with the D61i dozer, then expanded it to smaller finish-grade dozers, the D51i, D39i and D37i. We intend to launch our first iMC excavator in the United States in the near future.

Building good, high-tech machines, such as our iMC products with industry-leading specs and features, is just the first step. That's the minimum any top manufacturer must do. At Komatsu, our goal is to also provide great service and, ultimately, offer "total solutions" to help customers overcome the challenges they face.

QUESTION: Can you give examples of such Komatsu "total solutions"?

ANSWER: Let's stay with iMC dozers. The product itself, with factory-integrated blade-control technology, is significant, and to my knowledge, it's unique in the industry. But in and of itself, it's not a total solution. However, when you factor in KOMTRAX, Komatsu CARE (complimentary maintenance for the first three years or 2,000 hours), and the fact that nearly all of our dealers have a Technology Solutions Expert on staff – those are service solutions that I believe are a step ahead of other manufacturers. Finally, to encompass the full iMC solution to the customer, three-dimensional modeling, as well as daily productivity, will become part of the portfolio.

Continued . . .



Masayuki "Max" Moriyama, President and COO, Komatsu America Corp.

This is one of a series of articles based on interviews with key people at Komatsu discussing the company's commitment to its customers in the construction and mining industries — and their visions for the future.

Masayuki "Max" Moriyama became President and Chief Operating Officer of Komatsu America Corp. (KAC) in April 2014. Born in the ancient city of Nara, Japan, Max grew up and was educated in the Tokyo suburb of Kawasaki City, then attended Keio University in Tokyo. In 1980, he graduated with a degree in Mechanical Engineering, and started his Komatsu career shortly thereafter.

Max began as a design engineer for small dump trucks. In 1988, he was awarded a Komatsu scholarship to study abroad and spent two years earning a Master's Degree in Mechanical Engineering from Cornell University in Ithaca, N.Y. Upon returning to Japan, he worked on excavator research and development at the Technical Center in Osaka from 1990-2000, then was transferred back to the United States to be senior design engineer at the Chattanooga Manufacturing Operations in Tennessee.

In 2003, Moriyama went back to Tokyo where he became worldwide product manager for construction-size excavators, overseeing the Tier 3 Dash-8 model introduction. In 2006, he went back to Osaka to oversee design of all track machines, then in 2010, he was elected Executive Officer of the Tech Center – a position he held until he was named KAC President a few months ago.

"This is my third time in America with Komatsu, but my fourth time living here," said Max, whose wife, Kozue, will join him in Chicago in the near future. "From first through third grade, I attended a public elementary school in Queens, N.Y., while my father, who worked for a Japanese trading company, was based there. I really enjoy the United States, in large part because the people are energetic and open-minded. I look forward to working with our KAC personnel, distributors and customers during the next few years, and I fully intend to visit every distributorship and every state during my presidency."

KAC president plans to visit every state

... continued

Our Autonomous mining truck is another example. It's not just that we make a driverless truck that's already operational in mines. The total solution is everything that goes along with it, such as a dispatch system and fleet-management services.

Those are the types of total solutions we're working toward. Are we all the way

there yet? No. But we're working with our distributors and customers, so they understand the direction and can see how we intend to differentiate ourselves from the competition.

QUESTION: You mention customers, where do they fit in?

ANSWER: At the very top. They are why we do what we do. My background is in design engineering, and I'm hands-on when it comes to equipment. I like to see it at work on the job. That's why it's my intention to visit every state and talk to our distributors and also to their customers. I want to know what they like and what they need. Most of all, I want to get facts and see for myself what's happening on construction sites so I'll know firsthand what we need to do to improve our customers' experiences.

QUESTION: What's the equipment market like right now and what are you anticipating for the rest of this year and beyond?

ANSWER: It's a mix. A few years ago, mining was very strong. This year, it isn't. That's especially true for new-equipment sales. We still have good parts and service sales at mines that are still operating, but we would like to see the mining side of our business improve. It's especially important to Komatsu America because we have the Komatsu "mother plant" for large, electric dump trucks right here in Peoria, Ill.

Demand for construction equipment, on the other hand, is good, and we're projecting a strong market for the remainder of the year and into the future. The total number of units sold continues to increase, and at Komatsu, we're improving market share. We believe that's a result of innovations such as iMC machines, Komatsu CARE, KOMTRAX and hybrid excavators. As long as we keep innovating and giving customers tools to do their jobs better, Komatsu will continue to be a major force in the heavy-equipment industry and can become indispensable to customers. ■



Komatsu is known for its cutting-edge technological innovations, such as iMC dozers and KOMTRAX. But, KAC President Max Moriyama says that providing "total solutions," such as iMC set-up and a Komatsu team to monitor KOMTRAX (above) and report to customers – that's what really sets Komatsu apart.



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AT YOUR SERVICE

PREPARING FOR REPAIRS

Programs such as Firm Future Order help customers plan for needed work well in advance

You know a proactive approach to equipment maintenance is essential to its continued performance, production and efficiency. That's why planning ahead for repairs makes sense, and to help you do that, Komatsu distributors, such as Road Machinery & Supplies, have programs designed to fit your needs and your budget.

"Komatsu believes long-term planning for major repairs, such as component rebuilds and engine replacements, is vital," said Glenn Schindelar, Senior Marketing Manager. "It allows equipment owners to build those repairs into their budgets and know when a machine is going to be down and for how long. Our distributors have a number of excellent programs backed by Komatsu that provide assistance in planning to make those repairs cost effectively and with minimal downtime."

The Firm Future Order program fits nicely into that long-term planning, according to Paul Moore, Senior Marketing Manager. "Generally, a distributor's personnel and the customer will plan for the repair in a six-month window, so it allows for work to be done during the off-season or slower times. With Firm Future Order, once the customer makes the commitment to have the repairs or other work done, the parts pricing and delivery are locked-in to suit the customer's overhaul schedule. That allows them to better budget for the repair, minimize downtime and ensure their equipment is ready to go when it's needed the most."

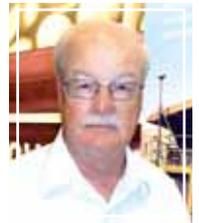
Used in conjunction

Customers can use Firm Future Order in conjunction with other programs, such as the

Remanufactured Quality Assurance Program, the Komatsu Undercarriage Assurance Program for Replacement Undercarriage, and the Komatsu Rebuilds Program.

"Our distributors provide several options that are competitively priced, and in many cases, repairs can be financed at zero percent for up to 15 months through other programs such as the Parts and Service Note Financing," said Schindelar. "It's possible that a customer could take advantage of three, four or more programs at once, and we encourage them to contact their distributor to find out how." ■

Distributor programs backed by Komatsu allow equipment owners to better plan and budget for upcoming repairs. For information on the programs and how to take advantage of them, contact your product support representative or your nearest Road Machinery branch.



Glenn Schindelar,
Senior Marketing
Manager



Paul Moore,
Senior Marketing
Manager



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NEW WATER RESOURCES BILL

Legislation includes reforms to revolving fund, establishes program to attract private investment

Congress overwhelmingly passed and the President signed the Water Resources Reform & Development Act (WRRDA), which authorizes \$12.3 billion in spending throughout the next 10 years, including more than \$4 billion for water-resources infrastructure investment.

The bill includes reforms to the Clean Water State Revolving Fund and adds greater flexibility to the program. The Fund traditionally invests in sewer infrastructure, but it hadn't been reauthorized since 1987.

The legislation authorizes Army Corps of Engineers programs, including waterway- and watershed-management projects, such as construction of locks and dams. The bill accelerates project delivery by streamlining environmental reviews, sets hard deadlines and consolidates or eliminates duplicative studies.

"The release of this water-resources bill is yet another sign that investing in infrastructure is something members of both parties in both houses of Congress can and do support," said Stephen E. Sandherr, CEO of the Associated General Contractors of America. "Republicans and Democrats alike understand and appreciate the economic wisdom of improving our aging system on inland waterways, harbors, ports, locks and dams. They also clearly support adequately funding flood-control protection and coastal-restoration efforts. Additionally, the committee members support providing the necessary resources to maintain the federal Harbor Maintenance Trust Fund's solvency and help shore up state revolving-loan funds that finance investment in clean water systems."

Paves the way for highway bill

WRRDA establishes a Water Infrastructure Finance Innovations Authority to provide credit assistance for drinking water, wastewater and water-resources infrastructure projects. The five-year pilot program is designed to attract substantial private and non-federal investments to water-infrastructure projects and is modeled after the successful Transportation Infrastructure Finance and Innovation Act used for surface transportation.

"In addition to providing much-needed funding for navigation and dam projects, the completion of the WRRDA bill is significant because it clears the way for House Transportation & Infrastructure and Senate Environment and Public Works Committee members to focus their full attention on saving the federal highway program," said the Associated Equipment Distributors. ■

The Water Resources Reform & Development Act (WRRDA) provides \$12.3 billion in spending throughout the next 10 years, including more than \$4 billion for water-resources infrastructure investment. It includes reforms to the Clean Water State Revolving Fund and authorizes Army Corps of Engineers programs, including waterway- and watershed-management projects.



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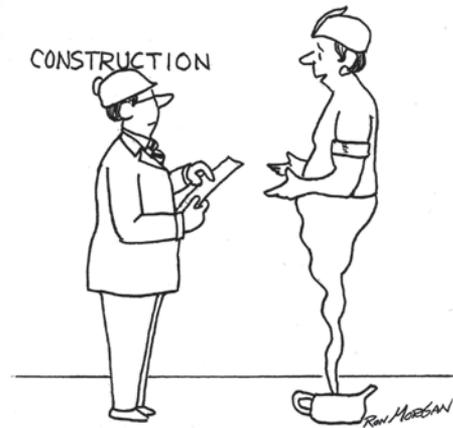
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SIDE TRACKS

On the light side



"Will thou love her, cherish her and put her on our affordable health plan?"



"Sorry, but I can't make any promises on any wishes that have anything to do with the government."



"I'm taking you out, Phelps. That homer you gave up is going viral on twitter."

Did you know...

- The highest temperature ever recorded in the continental United States was 134 degrees on July 10, 1913, in Death Valley, Calif.
- It took 214 crates to transport the Statue of Liberty from France to New York in 1885.
- Clark Gable, who played Rhett Butler in "Gone With the Wind," starred in more than 90 films in 30 years.
- Dr. Seuss wrote "Green Eggs and Ham" after his editor dared him to write a book using fewer than 50 different words.
- The Eiffel Tower was built for the 1889 World's Fair.
- A "blue moon" is the second full moon in a calendar month, yet it is rarely blue.
- Wrigley's promoted its new spearmint-flavored chewing gum in 1915 by mailing four sample sticks to each of the 1.5 million names listed in U.S. telephone books.
- The Goodyear blimp made its first appearance at the 1960 Orange Bowl.

Brain Teasers

Unscramble the letters to reveal some common construction-related words. Answers can be found in the online edition of the magazine at www.RMSRoadSigns.com

1. I T E S _ _ I _ _ _
2. W R E P O _ _ _ W _ _ _
3. L A D E R E D _ _ _ _ _
4. L I R U D E B B _ _ _ _ _ R
5. R N O T E C E C C _ _ _ C _ _ _

Construction firms pledge to hire veterans



Construction companies and associations say they plan to hire 100,000 veterans during the next five years. “I am inspired by the commitment displayed by the construction industry and all our partners in helping achieve this mission,” said U.S. Secretary of Labor Thomas E. Perez.

A coalition of construction companies and associations pledged to hire 100,000 veterans during the next five years at a national symposium hosted by the U.S. Department of Labor and Joining Forces. Construction is one of the fastest-growing industries in the nation with an annual growth rate of 2.6 percent, according to the Bureau of Labor Statistics, and more than 80 firms committed to fill new construction jobs with veterans.

“All men and women who have sacrificed for our country in our armed services deserve opportunities for good jobs worthy of their character and their achievements,” said U.S. Secretary of Labor Thomas E. Perez. “The Department of Labor will do whatever it takes to help our veterans translate their skills and leadership into jobs, and I am inspired by the commitment displayed by the construction industry and all our partners in helping to achieve that mission.” ■

Study: Crashes in nearly half of highway work zones

A study from the Associated General Contractors shows that vehicles crashed into 45 percent of highway work zones during the past year. AGC Chairman Tom Case said 20 percent of crashes injure workers and 6 percent of those crashes are fatal. The study also found that 43 percent of contractors reported that drivers and passengers sustained injuries in work-zone crashes and 16 percent died.

Additionally, the survey showed that 67 percent of contractors believe tougher laws, fines and legal penalties for work-zone violations would reduce injuries and fatalities, and 74 percent of those surveyed said an increase in work-zone concrete barriers would have a similar impact. ■

CONEXPO sets dates for next show

CONEXPO-CON/AGG announced that its next exhibition at the Las Vegas Convention Center will be held on March 7-11, 2017. The triennial show is the Western Hemisphere’s

premiere event for the construction and construction-materials industry. This year’s CONEXPO drew nearly 130,000 attendees from across the globe. ■

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2012 KOMATSU PC160LC-8,
2,136 hrs.



\$170,000

2007 KOMATSU D85EX-15E0,
7,216 hrs., s/n 11190



\$203,300

2007 KOMATSU PC200LC-8,
6,082 hrs., s/n C60859

Year	Mfgr./Model/Descr.	Hours	S/N	Price	Year	Mfgr./Model/Descr.	Hours	S/N	Price
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HYDRAULIC EXCAVATORS

2008	HYUNDAI ROBEX 250LC-7	1,599	N70410143	\$199,000
2006	HYUNDAI ROBEX 360LC-7	2,664	NA0110786	\$87,900
2007	HYUNDAI ROBEX 450LC-7A	2,933	NB0310053	\$129,000
1997	KOMATSU PC150LC-6	7,748	K30069	\$26,000
2014	KOMATSU PC160LC-8	412	25964	\$149,800
2012	KOMATSU PC160LC-8	2,136		\$123,500
2011	KOMATSU PC160LC-8	3,757	25198	\$115,000
2004	KOMATSU PC200LC-7B	5,880	C50285	\$79,900
2007	KOMATSU PC200LC-8	6,082	C60859	\$203,300
2007	KOMATSU PC200LC-8	3,349	A88389	\$131,500
2013	KOMATSU PC210LC-10	1,390	A10055	\$147,000
2007	KOMATSU PC300HD-7E0	10,100	A86053	\$93,500
2005	KOMATSU PC300LC-7	9,780	85835	\$95,000
2006	KOMATSU PC300LC-7E0	5,275	A88112	\$155,000
2008	KOMATSU PC300LC-8	5,412	A90134	\$137,500
2003	KOMATSU PC308USLC-3	12,878	20010	\$65,000
2011	KOMATSU PC350LC-8	2,429	A10294	\$205,000
2013	KOMATSU PC360LC-10	1,518	A32874	\$249,000
2013	KOMATSU PC360LC-10	1,540	A32923	\$249,000
2000	KOMATSU PC400LC-6LK	17,685	A84007	\$69,000
2011	KOMATSU PC88MR-8	1,484	5666	\$78,000
2004	LINK-BELT 460 LX	13,240	K7J48527	\$85,500
1999	LINK-BELT 5800Q	14,155	LE319-1705	\$45,000

WHEEL LOADERS

2006	CATERPILLAR 930G	6,070	2143	\$85,000
2006	HYUNDAI HL740-7	4,081	LF0110660	\$77,550
2003	KOMATSU WA180PT-3MC	7,000	A88123	\$49,500
2011	WACKER NEUSON WL18	344	3000342	\$17,500

CRAWLER DOZERS

1994	CATERPILLAR D6H	10,104	9KJ00755	\$45,000
2006	CATERPILLAR D6R	8,087	WRG00470	\$139,500
2012	KOMATSU D61EX-15E0	825	B46761	\$189,000
2007	KOMATSU D61PX-15E0	4,245	B45059	\$129,500
2012	KOMATSU D65WX-17	2,431	1137	\$229,500
2007	KOMATSU D85EX-15E0	7,216	11190	\$179,500

COMPACTORS/PAVERS

1986	BARBER-GREENE BG225	12,000	BG225X142	\$19,500
2012	BLAW-KNOX PF1510	75	PF1510-91042	
2005	BLAW-KNOX PF4410	8,729	183794	\$59,500
1997	BLAW-KNOX PF5510	12,000	551019-11	\$39,899
2013	BLAW-KNOX RW100B	25	RW100B-85137	\$267,400
2012	BLAW-KNOX RW35A	86	RW35A-88330	\$77,900
1980	GOMACO GP2500		MC11186-25	\$35,000
	GOMACO GT6300	3,231	MC10649-01	\$15,000
2010	VOLVO MT2000	2,099	201008	\$359,900
2010	VOLVO MW500	517	022949	\$149,500
	WACKER WB16AF		5394543	\$3,900
2006	DYNAPAC CA121PDB	850	60311412	\$57,500
1987	INGERSOLL-RAND SPF48	5,427	60775	\$9,999
	HAMM HD13	2,066		\$7,899
2006	INGERSOLL-RAND DD112HF	1,331	188950	\$79,500
2005	INGERSOLL-RAND DD118HF	1,771	185186	\$49,750
2008	INGERSOLL-RAND DD14S	239	198082	\$24,500
2010	VOLVO DD138HF	1,329	275235	\$104,500
2009	VOLVO SD45D	180	201052	\$47,500
2005	WACKER NEUSON RT82SC	351	5539278	\$13,500

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2012 KOMATSU D65WX-17,
2,190 hrs., s/n 1137



\$249,000

2013 KOMATSU PC360LC-10,
1,540 hrs., s/n A32923



\$58,400

2013 LOAD KING 2060s (four available)
26 cu. yd., air ride with third-axle lift, 42' length

Year	Mfgr./Model/Descr.	Hours	S/N	Price	Year	Mfgr./Model/Descr.	Hours	S/N	Price
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CRANES



2013	SANY SCC8100 Crawler/dragline	715	12CC01030210	
1991	GROVE RT990 Rough terrain	675	75818	\$299,500
2013	SANY SRC840 Rough terrain	741	13RC00351286	
2013	SANY SRC840 Rough terrain	13,040	13RC00351276	
2013	SANY SRC865XL Rough terrain	256	13RC00550018	
2013	SANY SRC865XL Rough terrain	256	13RC00550018	
2013	SANY SRC885 Rough terrain	452	13RC00750760	
2013	SANY SRC885 Rough terrain	452		

FORESTRY EQUIPMENT

2005	TIMBCO 425EXL Feller Buncher		AT4C2737122805	\$169,500
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FORK LIFTS & BOOM LIFTS

2002	CROWN 30WRRT15 Mast fork lift	NA	30WRRT152	\$9,450
1982	HYSTER H250H Mast fork lift	NA	C007-2597Z	\$19,500
2001	INGERSOLL-RAND VR1056 Telescopic fork lift	10,034	167984	\$32,500
2008	SKY TRAK 10054 Telescopic fork lift	2,536	0160034184	\$82,500
2009	JLG 600AJ Boom lift	643	0300133061	\$94,500
2008	JLG 600S Boom lift	1,937	0300122865	\$69,500
2008	JLG 800S Boom lift	1,300	0300120550	\$87,500
2001	SNORKEL TB60 Boom lift	2,860	JA01095	\$19,500

SCRAP PROCESSING/DEMOLITION

2001	KOMATSU PC300LC-6	20,017	A84652	\$54,800
2008	SENNEBOGEN 830M	13,800	1159	\$199,000

AGGREGATE EQUIPMENT

2007	HARTL PC1270I Crusher	6,298	854-120-370	\$134,500
2010	KPI FT5260 Crusher		410124-410126	\$399,000
2012	KPI-JCI FT2650 Crusher	690	411529-411531	
	BARBER-GREENE Pugmill		70600758A4	\$24,900
2009	KPI FT3620CC Screen		093101	\$179,000
2008	KPI FT6203CC Screen	7,400		\$115,000

LIGHT TOWERS

2008	WACKER LTC4L	5,448	5786887	\$5,646
2008	WACKER LTC4L	2,997	5781759	\$1,000
2008	WACKER LTC4L	3,097	5810333	\$5,646
2008	WACKER LTC4L	1,636	5810334	\$5,646
2013	WACKER LTN6L	0	20206189	\$10,300
2013	WACKER LTN6L	0	20206195	\$10,300
2012	WACKER LTN6L	727	20092677	\$6,950
2012	WACKER LTN6L	2,596	20092670	\$4,650

SWEEPERS/BROOM EQUIPMENT

2011	BROCE MK I	115	500118	
2002	BROCE RJ350	3,025	402024	\$21,500
2002	BROCE RJ350	2,018	402025	\$22,500
2002	BROCE RJ350	1,980		\$24,500
2000	BROCE RJ350	3,967	025402	\$16,500

MISCELLANEOUS

2013	BARBCO BD80-15SC Horizontal drill	1	BD80SCHP051304	\$473,500
2013	KEM-TRON TANGO 500T Horizontal drill	0	4C9BU2431DE102857	\$189,100
1985	HUBER M850A Motor Graders		458	\$19,500
2011	GORMAN-RUPP 3943-96 Pumps	0		

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