

## Pacific Ethanol Implements Mainsaver at 4 Western US Plants

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San Diego, and Sacramento CA – February 28, 2018: For over 10 years, Mainsaver has been used at 3 Pacific Ethanol plants in the Midwest. In 2018, Pacific Ethanol began a deployment of Mainsaver in 4 western US locations. The 4 plants in California (2), Idaho and Oregon will utilize Mainsaver for work management and materials inventory. Mainsaver will be a key tool in the plants' commitment to safe and efficient operation. Mainsaver is providing a turnkey solution including data migration from a legacy system and training.

The Mainsaver Asset Hierarchy feature allows the plant assets to be entered with a logical parent-child relationship familiar to Maintenance techs. While drilling down through the units, the user can determine asset history, spare parts, PM status and related documentation at any level within the plan. The Mainsaver Dashboard allows managers to monitor key metrics as soon as they login to the system.

Mainsaver provides tools to complement the safety programs in these plants. One such tool is the ability to enter a preventive maintenance checklist requiring confirmation and feedback on each step of the PM before the work order may be closed. PM steps can be setup to automatically generate a countermeasure work order when the parameter is out of specification.

The four plants will have Mainsaver up and running in April of 2018. Mainsaver will continue to work with the 7 Pacific Ethanol plants to implement CMMS related best practices for reliability and safety.

### **About Pacific Ethanol, Inc.**

Pacific Ethanol, Inc. (PEIX) is a leading producer and marketer of low-carbon renewable fuels and high-quality alcohol products in the United States. Pacific Ethanol owns and operates nine production facilities, four in the Western states of California, Oregon and Idaho, and five in the Midwestern states of Illinois and Nebraska. The plants have a combined production capacity of 605 million gallons per year, produce over one million tons per year of ethanol co-products – on a dry matter basis – such as wet and dry distillers grains, wet and dry corn gluten feed, condensed distillers solubles, corn gluten meal, corn germ, corn oil, distillers yeast and CO<sub>2</sub>. Pacific Ethanol markets and distributes fuel-grade ethanol, high-quality alcohol products and co-products domestically and internationally. Pacific Ethanol's subsidiary, Kinergy Marketing LLC, markets all ethanol and alcohol products for Pacific Ethanol's plants as well as for third parties, approaching one billion gallons of ethanol marketed annually based on historical volumes. Pacific Ethanol's subsidiary, Pacific Ag. Products LLC, markets wet and dry distillers grains.

### **About Mainsaver**

Mainsaver offers a complete Enterprise Asset Management Solution with a robust Computerized Maintenance Management System (CMMS) at its core. As one of the industry's foremost established CMMS suppliers, Mainsaver provides solid software applications, trusted consulting services, and comprehensive customer support to its clients. Our solutions are designed to provide a maximum return on investment, whether installed as a standalone application, or as an "end to end" solution interfaced to any of today's popular ERP, MRP or financial packages.