

# PRESS RELEASE

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## 40 MILLION GALLON ETHANOL PLANT NOW IN WINDSOR, CO

One year ago, Front Range Energy opened its doors and began ethanol production. Within one year's time, the plant has produced over 40 million gallons of ethanol and over 396,000 tons of wet distiller grain.

"We didn't put any restrictions on geographical location because we wanted our plant in the best location," Sanders Sr. said. "We wanted to be a destination plant, meaning we wanted to be a little out of the Corn Belt but not too far away from corn." The Oregon-native father and son, Owner Dan Sanders Sr. and President Dan Sanders Jr., narrowed the site search down to Colorado through a feasibility study conducted by BBI International. A location in Colorado gives the company a distinct advantage compared to other plants because of its access to the big

ethanol markets on the West Coast, according to Sanders Jr. Once Front Range Energy selected The Great Western Industrial Park as their new home, everything else moved quickly.

They chose The Great Western Industrial Park in Windsor, CO because of dual access to the Union Pacific Railroad and the Burlington Northern Santa Fe Railroad, giving the company direct access to ethanol markets throughout the western and southern US. "We have access to the cattle market in the north and east without having to go through major municipalities and we're close to I-25 for ethanol shipments by truck", said Sanders Jr. The plant receives 75-car unit trains every week. The Great Western Railway in Windsor, CO added 5,000 feet of track to the

plant site for the unloading of corn and the loading of ethanol. Another 7,000 feet will be added to store the shuttle train while it's unloaded.



It was critical that Front Range Energy locate near the cattle market because of the high cost associated with the transportation of the ethanol by-product, wet distiller grains, which is used as cattle feed. According to *distillersgrain.com*, when processing one-56 pound bushel of corn, only the starch is used, which

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Front Range Energy located in Windsor, Colorado, began ethanol production in June 2006.



### FACTS ABOUT ETHANOL PRODUCTION

- *US Ethanol production is the fastest growing industry in the world*
- *For every barrel of ethanol produced, 1.2 barrels of petroleum are displaced*
- *The use of 4 billion gallons of ethanol reduced greenhouse gas emissions by 7.8 tons, the equivalent of taking 1.2 million cars off American roads*

## 40 MILLION GALLON ETHANOL PLANT CONT.

produces 18 pounds of ethanol. The primary by-product of this process is approximately 17 pounds of distiller grains which are used as cattle feed. There are about 560,000 head of cattle located within 30 miles of the plant. Considering the plant ships approximately 35 trucks of wet distillers per day, locating near the cattle market has been a significant cost savings.

Reliant Energy Inc. built a carbon dioxide plant adjacent to Front Range Energy in early 2007. The new plant provides capture and processing facilities for the use of the carbon dioxide gas that is produced as a by product of the fermentation and processing of the corn into ethanol. Once the new facility's production



Front Range Energy's Flottweg centrifuges.

meets Reliant's high standards for quality control, it is projected that 300 tons of CO<sup>2</sup> per day will be captured and processed

for use in the food and beverage industry, as well as the production of dry ice, and the stimulation of oil and gas wells. "The Reliant Holdings CO<sub>2</sub> facility has reduced our ethanol plant's CO<sub>2</sub> emissions by 50% and future expansion capabilities could further reduce CO<sub>2</sub> emissions by 80% from our ethanol plant" Sanders Jr. said. \*\*

Kinergy Marketing LLC, the marketing arm of Pacific Etha-

nol Inc., handles Front Range Energy's corn acquisition and marketing its ethanol and wet grains distillers.

The company has plans for expansion. "Depending on market conditions, that will happen sooner rather

than later," Sanders said. \*\*\*



Front Range Energy has two 500,000 bushel Brock Grain Systems steel storage tanks.

To learn more about ethanol visit:

\* [www.biofuelsjournal.com](http://www.biofuelsjournal.com)

\*\* [www.reliantholdingsltd.com](http://www.reliantholdingsltd.com)

\*\*\* [www.ethanolproducer.com](http://www.ethanolproducer.com)



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