



## ANNOUNCEMENT

February 12, 2010

### **Fulcrum BioEnergy Receives Independent Engineer's Report Confirming its Ethanol Technology and the Company's Ability to Produce High Volume Ethanol From Syngas**

Fulcrum BioEnergy, Inc. received an Independent Engineer Report confirming Fulcrum's breakthrough technology to convert syngas into high yield ethanol. The review and report, performed by R.W. Beck, Inc. (R.W. Beck), examined the design, operations and results of Fulcrum's TurningPoint Ethanol Demonstration Unit. The Turning Point facility is a 100% scale tube reactor and conversion process to demonstrate the performance and yield of Fulcrum's ethanol synthesis process. The independent engineer report confirmed the results demonstrating Fulcrum's ability to produce high volume, market grade ethanol from waste derived syngas. This independent engineer report is another important milestone in the development of Fulcrum's Sierra BioFuels Plant (Project), a first-of-its kind facility designed to convert post-recycled municipal solid waste to ethanol in an environmentally friendly, efficient and economic manner.

The demonstration facility, designed and constructed by Fulcrum, has successfully demonstrated Fulcrum's innovative alcohol synthesis process, which catalytically converts synthesis gas into fuel grade ethanol. The facility incorporates a full-scale reactor tube and process – identical to the tubes that will be utilized in Fulcrum's large-scale plants.

Following their review of Turning Point, the independent engineer concluded that "the PDU data generally supports the Project basis of design and the projected ethanol output of 10.5 million gallons per year" for Fulcrum's first project. In February 2009, R.W. Beck also conducted an independent technical review of the Project where they determined, among other observations, that "several technologies proposed to be incorporated into the Project are sound methods for the production of Syngas from MSW and ethanol from the produced Syngas."

Based in Pleasanton, California, Fulcrum BioEnergy is on track to become one of the first companies to produce on a commercial scale cellulosic ethanol from MSW, creating a reliable domestic source of renewable fuel, reducing the nation's dependence on foreign oil, lowering greenhouse gas emissions and relieving the pressure on existing and future landfills. Fulcrum BioEnergy, a privately held company led by a management team with decades of experience, is combining access to long-term, fixed-price solid waste feedstock with the best technology and capital necessary to become a leader in the development of next-generation advanced biofuels production in the U.S. For more information, please visit [www.fulcrum-bioenergy.com](http://www.fulcrum-bioenergy.com) or contact Karen Bunton at 925.224.8252 or at [kbunton@fulcrum-bioenergy.com](mailto:kbunton@fulcrum-bioenergy.com).