VIRENT

FOR IMMEDIATE RELEASE

Virent Delivers Plant-Based Jet Fuel to U.S. Air Force Research Laboratory for Testing

Successful Construction and Operation of New Demonstration Plant under $1.5 Million FAA Award Produces Drop-In Jet Fuel from 100% Renewable Plant Sugars

Madison, Wisconsin – **May 1, 2013** – Virent announced the delivery of 100 gallons of its bio-based jet fuel to the U.S. Air Force Research Laboratory (AFRL) for testing purposes. Product testing will begin at Wright Patterson Air Force Base to validate Virent's jet fuel against the standards required for qualification and approval of new aviation turbine fuels established by the American Society for Testing and Materials (ASTM). The validation plan includes fit-for-purpose, fuel system and combustor rig testing.

Dr. Tim Edwards of the AFRL's Fuels and Energy Branch said, "AFRL is looking forward to working with Virent and the FAA to evaluate the performance of this fuel. This larger sample will help generate the performance data needed to advance the technology toward engine and flight testing."

The jet fuel was produced at a new Virent demonstration plant built to produce drop-in jet and diesel fuels from 100% renewable plant sugars. The plant was constructed at the company's facility in Madison, Wisconsin under a $1.5 Million award received in 2011 from the Federal Aviation Administration and U.S. Department of Transportation, through the Volpe National Transportation Systems Center, and commissioned in January. It has the capacity to produce up to 5,000 total gallons of fuel per year. Design, engineering and construction were performed in-house by Virent employees. This is the second operating demonstration plant built by the Company. Its Madison facility also houses a 10,000 gallon per year system that is optimized to produce gasoline and aromatic chemicals.

Lourdes Maurice, Executive Director of the FAA's Office of Environment and Energy said, "We are excited that Virent is able to effectively utilize FAA funding to deliver these gallons for

testing. The fuel will be used with our partners in the industry and government to progress testing of novel alternative jet fuels that can help meet FAA's environment and energy goals under the Next Generation Air Transportation System."

"The successful operation of our new distillate demonstration plant and the validation of Virent's plant-based jet fuel will advance our efforts to achieve ASTM-certified jet fuel and to prepare for commercial scaling," said Virent Co-Founder and Chief Technology Officer Dr. Randy Cortright. "In addition, we would like to thank the FAA, AFRL, and Royal Dutch Shell for participating on the project team and acting in advisory roles."

About Virent

Virent is replacing crude oil by creating the chemicals and fuels the world demands using a wide range of naturally-occurring, renewable resources. Its patented technology features catalytic chemistry to convert plant-based materials into a full range of products identical to those made from petroleum, including gasoline, diesel, jet fuel, and chemicals for plastics and fibers. The products are drop-in replacements that enable full utilization of existing logistics infrastructure without blending limitations. The development of Virent's BioForming® technology platform is supported through strategic partners including Cargill, Coca-Cola, Honda and Shell, as well as 125 employees based in Madison, Wisconsin. The company has received several grants from the U.S. Departments of Commerce, Energy and Agriculture and has been recognized with many honors, including the World Economic Forum Technology Pioneer award and the EPA's Presidential Green Chemistry Challenge Award. Please learn more at www.Virent.com.

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