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Sustainable Oils, Inc. Signs License Agreement for CRISPR-Cas9 Genome-Editing Technology with the Broad Institute and Corteva Agriscience

LOS ANGELES – Sustainable Oils, Inc., a wholly owned subsidiary of Global Clean Energy Holdings, Inc. (OTCQB:GCEH), an ultra-low carbon renewable fuel company that will use nonfood camelina as their primary fuel source material, today announced a joint licensing agreement with Corteva Agriscience and the Broad Institute of MIT and Harvard for CRISPR-Cas9 and related gene editing tools to further develop their patented camelina varieties.

Under the agreement, Sustainable Oils has the ability to use the technology to create targeted changes to camelina DNA and incorporate desirable new traits such as high oil yield, quick maturity, herbicide tolerance, drought tolerance, and other desirable traits. The technology is expected to result in shorter development timelines and lower costs than traditional breeding methods.

“We are excited to add CRISPR-Cas9 technology to accelerate our camelina breeding practices,” Dr. Jerry Feitelson, Chief Scientific Officer of Sustainable Oils said. “Using this powerful plant breeding innovation, we expect to further expand our IP portfolio of advanced camelina varieties, which is already the largest in the world. Through state-of-the-art breeding methods, optimal agronomic advances, and large-scale logistics we hope to drive the carbon intensity of our finished fuels close to or below zero.”

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About Sustainable Oils, Inc.

Sustainable Oils, Inc., Global Clean Energy’s wholly-owned plant science subsidiary, owns an industry leading portfolio of intellectual property rights, including patents, Plant Variety Protection certificates, and production know-how to produce its proprietary camelina varieties as a nonfood based ultra-low carbon biofuels feedstock. These varieties are the only nonfood renewable feedstock on the market certified for both the U.S. EPA’s Renewable Fuel Standard and California’s Low Carbon Fuel Standard. Sustainable Oils was formed in 2007, and has its headquarters in Great Falls, Montana. More information can be found online at www.susoils.com.

About Global Clean Energy

Global Clean Energy Holdings, Inc. (OTCQB: GCEH) is a vertically integrated renewable fuels business that is focused on reducing carbon emissions sustainably through their proprietary nonfood camelina varieties – delivering among the lowest

carbon intensity renewable fuel in the marketplace. Their strategy since its inception has been to control the full integration of the renewable fuels supply chain from science to seed and farm to fuel. Global Clean Energy aims to operate the development, production, processing, and transportation of feedstocks as well as the refining and production of renewable fuels. They process their proprietary nonfood camelina feedstock in their Bakersfield, California renewable fuels refinery, yielding a renewable diesel that is chemically identical to petroleum diesel, but with 80+ percent lower carbon emissions. More information can be found at www.gceholdings.com.