

STWA's AOT Pipeline Optimization Hardware Delivers Clean Tech Benefits to Oil and Gas Industry Seeking to Mitigate Carbon Emissions

Patented Solid-State Technology Reduces Viscosity of Crude, Increases Flow Rates and Lowers Power Consumption of Pipeline Pumping Stations

SANTA BARBARA, CA -- (Marketwired) -- 08/15/14 -- [STWA, Inc.](#) (*the "Company"*) (OTCQB: ZERO), a developer of integrated solutions for the energy industry, announced today that its innovative [AOT \(Applied Oil Technology\)](#) pipeline flow assurance hardware has shown to provide energy-saving, operational performance improvements based on independently conducted tests on closed loop pipeline infrastructure. Designed to be installed on pipeline pumping stations, the AOT system [reduces the viscosity of crude](#) and improves flow by applying an electrical charge to crude oil, allowing pipelines to operate at a lower pressure and transport crude more efficiently.

According to analysis of data compiled from both laboratory simulations and installation on pipeline equipment by the U.S. Department of Energy, Temple University and STWA officials, viscosity reduction outcomes were sufficient to "reliably increase throughput and/or a reduction in back pressure and power consumption," an effect attributed to less resistance and turbulence in the pipe and a lower pressure threshold needed to operate the line. Results from multiple tests demonstrated that operational efficiencies achieved "could reasonably be expected to measurably lower carbon or greenhouse gas (GHG) emissions associated with the operation of the pipeline."

Long-range pipelines are capable of moving upwards of 200,000 to 500,000 barrels per day, providing an opportunity for significant toll rate gains and overhead cost savings with even incremental improvements in operational efficiency.

"We're very pleased with our progress we're making in the commercialization of AOT, particularly as the energy industry increases its focus on, and level of investment in, clean tech solutions," commented [Gregg Bigger](#), STWA Chief Executive Officer and Chairman of the Board. "By enabling our customers to possibly rein in the amount of energy they use to run pumping stations and the power needed to transport each barrel of oil, AOT holds the potential to contribute meaningfully to the oil and gas industry's commitment to reduce [greenhouse gas](#) (GHG) emissions through more energy efficient, environmentally sound transport of crude from well hole to market."

To highlight the growing demand for clean tech solutions within the U.S. energy sector, Mr. Bigger cited a 2011 [report](#) commissioned by the [American Petroleum Institute](#) (API) which

found that American oil and gas companies had invested approximately \$81 billion in greenhouse gas-mitigating technologies between 2000 and 2012. The data also showed that when expenditures on infrastructure related to production centered on shale formations was included, investment in GHG mitigation rose to \$165.4 billion, more than the federal government and nearly as much as all other industries combined over the same time frame.

The study concludes that thanks to these efforts and other factors, the U.S. Energy Information Administration (EIA) reported that energy-related greenhouse gas emissions dropped in 2011 by 2.9 percent from 2010 and an additional 2.1 percent in 2012 compared to 2010. In 2013, emissions were 705 million metric tons or 13 percent below 2005 levels.

"The American Petroleum Institute has devoted considerable attention to the study of clean tech within the energy sector and their research has found U.S. carbon dioxide emissions to be at their lowest levels in 20 years, in part because America's oil and natural gas companies have made a significant investment to reduce their greenhouse gas emissions," Mr. Bigger stated. "Our patented AOT Viscosity Reduction System is well suited to play a crucial role in the safer, more cost-effective delivery of oil, all while enabling our customers to reduce their carbon footprint and lessen the environmental impact of their operations."

Commenting on the findings of the report, API vice president for Policy and Economic Analysis Kyle Isakower said in a [prepared statement](#) that the energy industry is "aggressively pursuing new technologies and game-changing energy research that will fuel innovation for years to come ... investments [that will] not only lower carbon emissions, [but] create jobs and advance America's technological competitiveness."

As the largest trade association for the oil and natural gas industry, API represents over 480 energy companies based in the United States and overseas.

"Clearly, the U.S. and global energy industry is entering a new era of sourcing, producing and transporting oil and gas in an increasingly responsible and environmentally-sound manner," Mr. Bigger added. "Over the past several years STWA has ideally positioned itself as an approved vendor of industry-certified flow assurance technologies to help meet the carbon neutral objectives of our customers."

For further information about STWA, Inc., visit www.stwa.com, read our SEC filings at <https://ir.stockpr.com/stwa/all-sec-filings> and subscribe to Email Alerts at <https://ir.stockpr.com/stwa/email-alerts> to receive company news and shareholder updates.

Safe Harbor Statement:

Some of the statements in this release may constitute forward-looking statements under federal securities laws. Please visit the following link for our complete cautionary forward-looking statement: <https://ir.stockpr.com/stwa/safeharbor>

About STWA, Inc.

STWA, Inc. (Save the World Air, Inc.) STWA, Inc. is a developer and vendor of commercial flow assurance solutions designed to deliver operational benefits to the global energy industry. As a trusted partner and certified supplier to oil producers and transporters here in North America and globally, STWA designs and manufactures industrial-grade equipment for improving the efficiencies and economics of the upstream, gathering and midstream energy sectors. During the recent unprecedented expansion of the energy industry made possible

by enhanced crude recovery techniques, STWA has diligently prepared a stable, robust foundation for growth, and is currently entering the market collaboratively with several leading entities within this market. More information is available at: www.stwa.com.

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