

ClearSign Announces Completion of Follow-On Project for Aera Energy Successfully Demonstrated Low Emissions from Unit Firing on Waste Gas

SEATTLE, March 21, 2018 /PRNewswire/ -- ClearSign Combustion Corporation (NASDAQ: CLIR), an emerging leader in industrial combustion technologies that reduce emissions and improve efficiency, today announced the installation and initial performance test at Aera Energy's S-9 Coalinga OTSG (Once Through Steam Generator) unit on a complex waste gas application.

The retrofitted unit achieved initial field testing results with NOx and CO concentrations below established regulatory standards. While ClearSign has two other installations of the patented Duplex Burner technology operating on OTSG's at Aera, this is the first installation on the more challenging waste gas application.

This contract was previously announced and targeted lower emissions for units firing a combination of natural and low BTU oil field produced waste gas. The initial project targeted sub-5 ppm NOx, below the current regulatory Rule 4320 NOx emission limits of 6 ppm, for Public Utility Commission (PUC) gas burning steam generators, and 9 ppm for waste gas burning steam generators. ClearSign's Duplex retrofit technology goal is to achieve ultra-low emission performance without the use of inefficient flue gas recirculation (FGR), costly reagents, or catalysts.

"We are extremely pleased that we are able to demonstrate superior performance with our Duplex technology in another application for Aera's OTSG units," said Steve Pirnat, ClearSign's Chairman and CEO. "It is encouraging that Aera continues to work with our Duplex Technology and we are pleased to support their focus on producing oil and gas in the safest and most environmentally responsible manner. We look forward to working with them on a continuing basis."

For more information about ClearSign visit: www.clearsign.com.

About ClearSign Combustion Corporation

ClearSign Combustion Corporation designs and develops products and technologies for the purpose of improving key performance characteristics of combustion systems, including emissions and operational performance, energy efficiency and overall cost-effectiveness. Our patented Duplex™, Duplex Plug & Play™ and Electrodynamic Combustion Control™ platform technologies enhance the performance of combustion systems in a broad range of markets, including the energy (upstream oil production and down-stream refining), commercial/industrial boiler, chemical, petrochemical, and power industries. For more information, please visit www.clearsign.com.

Cautionary note on forward-looking statements

All statements in this press release that are not based on historical fact are "forward-looking statements." While management has based any forward-looking statements included in this press release on its current expectations, the information on which such expectations were based may change. These forward-looking statements rely on a number of assumptions concerning future events and are subject to a number of risks, uncertainties and other factors, many of which are outside of our control, which could cause actual results to materially differ from such statements. Such risks, uncertainties and other factors include, but are not limited to, general business and economic conditions, the performance of management and our employees, our ability to obtain financing, competition, whether our technology will be accepted and other factors identified in our Annual Report on Form 10-K filed with the Securities & Exchange Commission and available at www.sec.gov and other factors that are to be detailed in our periodic and current reports available for review at www.sec.gov. Furthermore, we operate in a competitive environment where new and unanticipated risks may arise. Accordingly, investors should not place any reliance on forward-looking statements as a prediction of actual results. We disclaim any intention to, and undertake no obligation to, update or revise forward-looking statements to reflect events or circumstances that subsequently occur or of which we hereafter become aware.

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