

## **ClearSign Technology Achieves Key Milestone in Full-Scale Field Demonstration**

**Duplex™ Technology meets San Joaquin Valley's strict air quality regulations while improving operational performance in an oil-field steam generator**

SEATTLE, Feb. 17, 2015 /PRNewswire/ -- [ClearSign Combustion Corporation](#) (NASDAQ: CLIR), and [Aera Energy LLC](#) announced today that project objectives of a field demonstration of Duplex™ Technology in a Once-Through Steam Generator (OTSG) have been achieved. The Enhanced Oil Recovery (EOR) steam generator, located at Aera's Belridge field outside Bakersfield, CA, was tested at a firing rate of 42.5 MMBtu/hr.

Begun during the fourth quarter of 2014, ClearSign's technology met the San Joaquin Valley Air Pollution Control District's regulations under Rule 4320 requiring NOx emissions of 5 PPM (corrected at 3% O<sub>2</sub>). These results were achieved without major modifications to the burner or the need for costly Flue Gas Recirculation (FGR). During testing, Aera's OTSG unit continued to supply steam at the capacity and quality required for oil field operations.

ClearSign plans to conduct additional testing at firing rates up to 62.5 MMBtu/hr. The objective of the tests is to continue to validate the environmental and operational benefits of ClearSign's Duplex Technology.

"The success of this field demonstration with Aera Energy represents a major milestone in ClearSign's commercialization efforts," said Stephen E. Pirnat, ClearSign Chairman and CEO. "We look forward to continuing to work with Aera and others in the oil and gas industry to accelerate the adoption of what we believe will be truly game-changing technology."

### **About Aera Energy**

[Aera Energy LLC](#) is one of California's largest oil and gas producers, accounting for nearly 25 percent of the state's production. With headquarters in Bakersfield, most of the company's production is centered in the San Joaquin Valley. Aera also has oil field operations in Ventura and Monterey counties.

### **About ClearSign Combustion Corporation**

[ClearSign Combustion Corporation](#) designs, develops and markets technologies that drive to improve key performance characteristics of combustion systems, including emissions and operational performance, energy efficiency and overall cost-effectiveness. Our patent-pending Duplex™ and Electrodynamic Combustion Control™ platform technologies enhance the performance of combustion systems in a broad range of markets, including the chemical, petrochemical, refinery, power and commercial boiler industries. For more information, please visit [www.clearsign.com](http://www.clearsign.com)

### **Cautionary note on forward-looking statements**

This press release includes forward-looking information and statements within the meaning of the Private Securities Litigation Reform Act of 1995 and the provisions of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Except for historical information contained in this release, statements in this release may constitute forward-looking statements regarding our assumptions, projections, expectations, targets, intentions or beliefs about future events that are based on management's belief, as well as assumptions made by, and information currently available to, management. While we believe that our expectations are based upon reasonable assumptions, there can be no assurances that our goals and strategy will be realized. Numerous factors may affect our actual results and may cause results to differ materially from those expressed in forward-looking statements made by us or on our behalf. Some of these factors include the acceptance of existing and future products, the impact of competitive products and pricing, general business and economic conditions, and other factors detailed in our Annual Report on Form 10-K and other periodic reports filed with the SEC. We specifically disclaim any obligation to update or revise any forward-looking statement whether as a result of new information, future developments or otherwise.

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For further information: Media: Alberto Gestri, Antenna Group for ClearSign, +1 415-464-6319, [clearsign@antennagroup.com](mailto:clearsign@antennagroup.com); or Investor Relations, +1 206-673-4848, [investors@clearsign.com](mailto:investors@clearsign.com)

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