



## ClearSign ULNOx Experience List – Boiler Burners

| No. | Client                 | Project                               | Location        | Equipment Type          | Description  | Startup Date | NOx (Act / Gty) PPM |
|-----|------------------------|---------------------------------------|-----------------|-------------------------|--|--------------|---------------------|
| 1   | Aera Energy, LLC       | 12-2D OTSG Demonstration              | Belridge, CA    | OTSG                    | Horizontally fired, Forced Draft, 62.5 MM BTU/Hr, Nat Gas              | March 2015   | 3.5 / 6.0           |
| 2   | Aera Energy, LLC       | OTSG Unit 106                         | Belridge, CA    | OTSG                    | Horizontally fired, Forced Draft, 62.5 MM BTU/Hr, Nat Gas              | May 2016     | 4.0 / 6.0           |
| 3   | Aera Energy, LLC       | S-9 OTSG                              | Coalinga, CA    | OTSG                    | Horizontally Fired, Forced Draft, 62.5 MM BTU/Hr, Nat Gas + waste fuel | Feb 2018     | 2.8 / 6.0           |
| 4   | Tricor Refining, LLC   | B-1 Boiler                            | Bakersfield, CA | Water Tube Boiler       | Horizontally Fired D-Type, Forced Draft, 75 MM BTU/Hr, Nat Gas         | On hold      | N/A                 |
| 5   | Confidential Client #3 | Water Tube Boiler Demonstration       | China           | Water Tube Boiler       | Horizontally Fired D-Type, Forced Draft, 100 MM BTU/Hr, Nat Gas        | In progress  | In progress / 10    |
| 6   | Confidential Client #7 | Fire Tube Boiler Burner Demonstration | China           | Fire Tube Boiler        | 5 MM BTU/hr Horizontally Fired, Forced Draft, Nat Gas                  | Feb 2021     | 4.0 / 5.0           |
| 7   | California Boiler      | 119 HP Fire Tube Boiler               | Visalia, CA     | Fire Tube Boiler Burner | 5 MM BTU/hr, Side Fired, Forced Draft, nat gas                         | Aug 2021     | 3.5 / 5.0           |
| 8   | California Boiler      | 500 HP Fire Tube Boiler               | Visalia, CA     | Fire Tube Boiler Burner | 20 MM BTU/hr, Side Fired, Forced Draft, nat gas                        | Dec 2021     | 1.9 / 2.5           |