



## 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
9	Rogue Combustion	300HP Fire Tube Boiler	Stockton, CA	Fire Tube Boiler Burner	12.55 MM BTU/hr, Side Fired, Forced Draft, nat gas	Nov 2023	3.9 / 5.0
10	Rogue Combustion	1200HP Fire Tube Boiler	Kerman, CA	Fire Tube Boiler Burner	50.21 MM BTU/hr, Side Fired, Forced Draft, nat gas	In Progress	In progress / 2.5
11	Confidential Client #8	500HP Fire Tube Boiler	Alvin, TX	Fire Tube Boiler Burner	17.87 MM BTU/hr, Side Fired, Forced Draft, nat gas	In Progress	In progress / 5.0