



Sam Moots
Production Manager
Colorado Energy Management

Sam has worked for Colorado Energy Management for the last 17 years in various rolls throughout his time with them from construction of a combined cycle and simple cycle plants as a millwright in Brush, Colorado. Moots started out with CEM initially with a 50MW combined cycle plant in 1990 and since CEM has added another 4 plants for a total of 580MW.

Sam's experience includes being a field operator, and a control room operator from 1991 to 2002 at that time he took over as production manager responsible for all mechanical plant maintenance for a wide variety of gas turbine power plants, which included a GE Frame 6 DLN1 combined cycle plant, 4 Westinghouse 251 AA gas turbines 3 of which were combine cycle units and 1 simple cycle unit, 2 Vogt HRSGs and 2 Vogt Nemm HRSGs. He also has experience operating and maintaining GE steam turbines, a 30MW, 40MW, and a 90MW, as well as 2 Siemens V84.3A1 simple cycles GTs rated at 150MW each. Other turbine expertise includes Frame 5 GTs and Pratt and Whitney FT8 twin packs.

Sam and CEM are one of the few peaking units that are approaching 4000 starts 70,000 hours this year on the F6 and perform all overhauls in-house. Cycling this much has had its challenges over the years with cycling fatigue an all areas of the plant.