

# ULTRAMAX<sup>®</sup> Application Profile

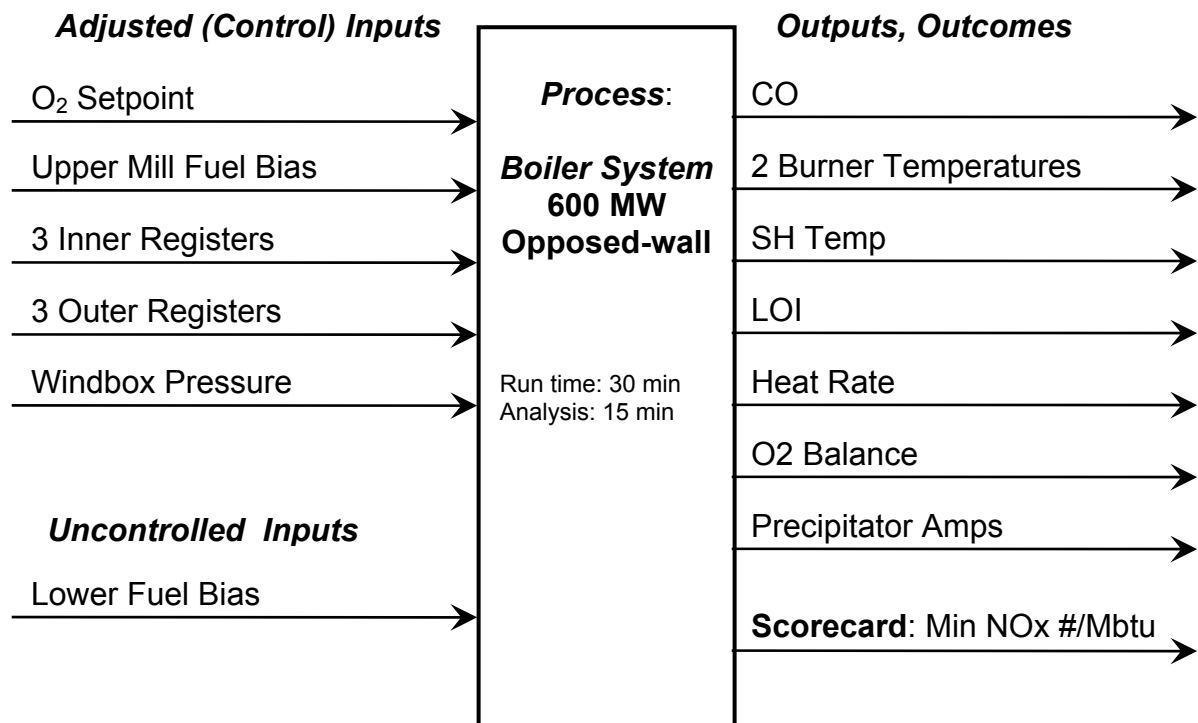
## Power Generation: NOx Reduction

**Process:** Opposed-wall, coal-fueled boiler with low NOx burners generating steam for a 600 MW generator.

**Objectives:** Reduce NOx stack level to levels specified by the EPA, while satisfying safety and process reliability conditions.

**Results Summary:** NOx was reduced 18% to a level below EPA specifications. Heat rate was reduced 2% and LOI was reduced 41%.

### DECISION INPUT/OUTPUT DIAGRAM



Optimizing the Scorecard implies satisfying constraints (not shown)