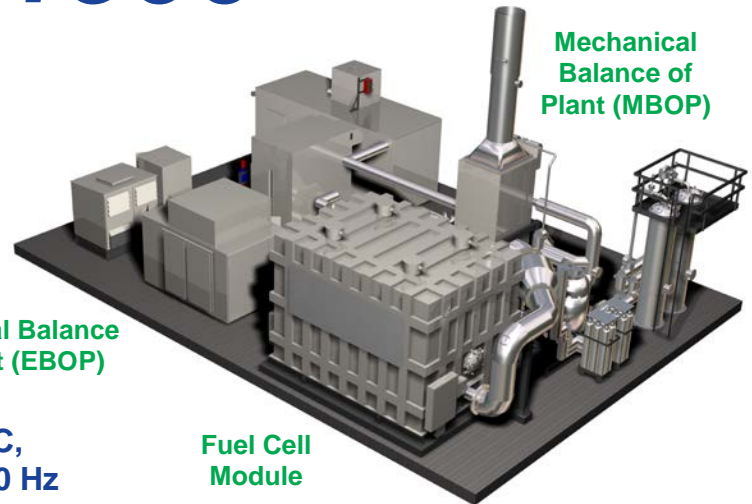


# SureSource 1500

## 1.4 MEGAWATTS

### KEY FEATURES

- Continuous Power
- Highly Efficient
- Fuel Flexible
- Ultra-Clean
- Scalable
- Modest Footprint
- Quiet Operation



**1.4 MW, 480 VAC,  
1,550 kVA, 50 or 60 Hz**

### APPLICATIONS

Featuring ultra-low emissions, quiet operation and minimal space requirements (about the size of a tennis court), the SureSource 1500 is suitable for locations where combustion-based traditional power generation technologies are not feasible or desirable such as next to buildings or in space-constrained urban locations. This solution is ideal for on-site power generation for large installations requiring continuous power and value high-quality steam for facility heating and/or absorption chilling; including industrial facilities, hospitals, universities and wastewater treatment plants.

### PERFORMANCE

#### Gross Power Output

Power @ Plant Rating	1,400 kW
Standard Output AC voltage	480 V
Standard Frequency	60 Hz
Optional Output AC Voltages	By Request
Optional Output Frequency	50 Hz

#### Efficiency

LHV	47 +/- 2 %
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#### Available Heat

Exhaust Temperature	700 +/- 50 °F
Exhaust Flow	18,300 lb/h
Allowable Backpressure	5 iwc

#### Heat Energy Available for Recovery

(to 250 °F)	2,216,000 Btu/h
(to 120 °F)	3,730,000 Btu/h

#### Fuel Consumption

Natural gas (at 930 Btu/ft <sup>3</sup> )	181 scfm
Heat rate, LHV	7,260 Btu/kWh

#### Water Consumption

Average	4.5 gpm
Peak during WTS backflush	15 gpm

#### Water Discharge

Average	2.25 gpm
Peak during WTS backflush	15 gpm

#### Pollutant Emissions

NOx	0.01 lb/MWh
SOx	0.0001 lb/MWh
PM10	0.00002 lb/MWh

#### Greenhouse Gas Emissions

CO <sub>2</sub>	980 lb/MWh
CO <sub>2</sub> (with waste heat recovery)	520-680 lb/MWh

#### Sound Level

Standard	72 dB(A) at 10 feet
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# SPECIFICATIONS

## SureSource 1500

### WEIGHTS

#### Water Treatment Skid

20,000 lb

#### Main Process Skid

50,000 lb

#### Desulfurization

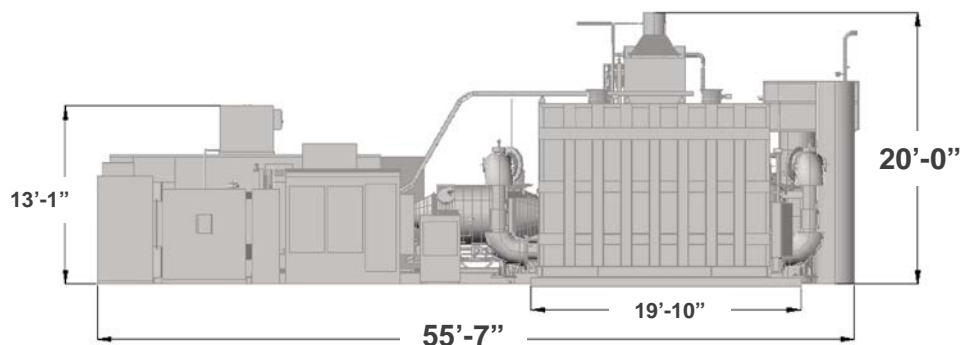
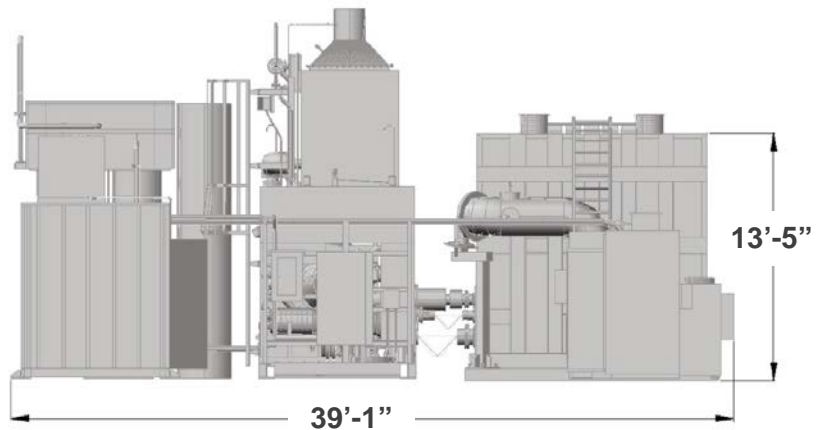
15,000 lb

#### Electrical Balance of Plant

26,500 lb

#### Fuel Cell Module

107,000 lb



### ABOUT FUELCELL ENERGY

FuelCell Energy (NASDAQ: FCEL) delivers efficient, affordable and clean solutions for the supply, recovery and storage of energy. We design, manufacture, undertake project development, install, operate and maintain megawatt-scale fuel cell systems, serving utilities, industrial and large municipal power users with solutions that include both utility-scale and on-site power generation, carbon capture, local hydrogen production for transportation and industry, and long duration energy storage. With SureSource installations on three continents and millions of megawatt hours of ultra-clean power produced, FuelCell Energy is a global leader with environmentally responsible power solutions.