

# SPECIAL SEISMIC CERTIFICATION

## *Shake Table Tested* OSP-0826



■ MICROGRID CONTROL CENTER



■ MICROGRID POWER PLANT



■ Cut-away view

■ MICROGRID FUEL STORAGE SYSTEM



## MICROGRID SYSTEM

Specifically engineered to exceed the rigorous California OSHPD/HCAi seismic requirements, the BSD SSC Microgrid System was developed in partnership with 2G Energy. It utilizes proprietary technology to offer clients reduced utility costs along with the added protection in a power outage. It was designed for continuous parallel operation with the utility as well as island mode. The Microgrid System can be fueled by Hydrogen, Natural Gas, CNG, LNG, BioGas, RNG, Propane and Syngas. The BSD SSC units will also include thermal energy recovery which provides several options for the facility such as Hot Water, Steam and the optional addition of an Absorption Chiller.

SSC- MS 1 of 2 - REV2.6 4/15/2025





# MICROGRID SYSTEM

## PROPRIETARY HIGHLIGHTS

- 1** OSHPD/HCAi Seismic Certified
- 5** Thermal Energy Recovery
- 2** UL 2200 Field Inspection
- 6** On-Site Fuel Backup
- 3** Qualifies for Federal Incentives
- 7** Designed to meet AB-2511
- 4** Multi-Fuel / Hydrogen Proven
- 8** Reliable, Service-Friendly Engine

## DESIGNED FOR RELIABILITY & SAFETY

**MICROGRID POWER PLANT** ■ Part #BSD-SSC-PP (Per designated unit) ■ **Sound: 53db @ 33'**  
 The Power Plant unit is specifically engineered to meet the facilities power requirements. This allows for a custom solution with a maximum ROI.

**MICROGRID CONTROL CENTER** ■ Part #BSD-SSC-DP (Per designated unit)  
 The Control Center is the Microgrid controller and allows for the addition of other available energy sources.

**MICROGRID FUEL STORAGE SYSTEM** ■ Part #BSD-SSC-FSS-34MSCF  
 On-Site Fuel Storage is an integral part of the BSD SSC Microgrid System. Designed to back up the Utility natural gas supply.

MODEL	ELECTRICAL	ENERGY INPUT	RECOVERABLE THERMAL	EFFICIENCY		
				ELECTRICAL	THERMAL	TOTAL
BSD SSC 100	100 kW	968 MBTU	361 MBTU	35.3%	37.3%	72.6%
BSD SSC 135	135 kW	1,326 MBTU	525 MBTU	34.7%	39.6%	74.4%
BSD SSC 170	170 kW	1,615 MBTU	616 MBTU	35.9%	38.2%	74.1%
BSD SSC 200	200 kW	1,856 MBTU	658 MBTU	36.8%	35.4%	72.2%
BSD SSC 280	280 kW	2,564 MBTU	946 MBTU	37.3%	36.9%	74.2%
BSD SSC 420	420 kW	3,850 MBTU	1,420 MBTU	37.2%	36.9%	74.1%
BSD SSC 600	600 kW	4,988 MBTU	2,925 MBTU	41.0%*	46.0%	87.0%
BSD SSC 800	800 kW	6,480 MBTU	2,859 MBTU	42.1%*	44.1%	86.2%
BSD SSC 1000	1000 kW	8,074 MBTU	3,608 MBTU	42.3%*	44.7%	87.0%

\*Includes energy from engine exhaust.

