

# ESG1 EXHAUST STEAM GENERATOR



ENERGY AND INFRASTRUCTURE APPLICATION – Page 1 of 2



## SAVINGS COMPARISON ANALYSIS

Customer Name: **Energy Culture, Ltd.** Customer Code: Energy and Infrastructure Reference: 55534

DATA without a Cain System		PERFORMANCE with a Cain System	
<b>C200 Microturbines (6)</b>		<b>ESG1-636L16CSS</b>	
Heat Sink	Steam	Operating Steam Pressure	73 PSIG
Waste Exhaust Temp	599°F	Final Exhaust Temp	383°F
Water Temp. Inlet	N/A	Boiler Horsepower	103 BHP
SCFM	13,200	Equivalent Evaporation	3,540 pph
Fuel Type	Natural Gas	Pressure Drop, Exhaust	.92" WC
O2 Content	N/A	BTU/hr Recovered	3,435,000
Excess Air	N/A	BTU/hr Saved	4,293,900
Combustion Efficiency	80% (relative)	Total Cost	\$175,348
Fuel Cost Per Therm	\$.75		
Annual Operating Hours	6,000		

**Payback: 10.9 mo.**  
**Annual ROI: 110%**  
**Annual Savings: \$193,223**

**Life Expectancy Savings: \$3,381,403** (15-20 years)

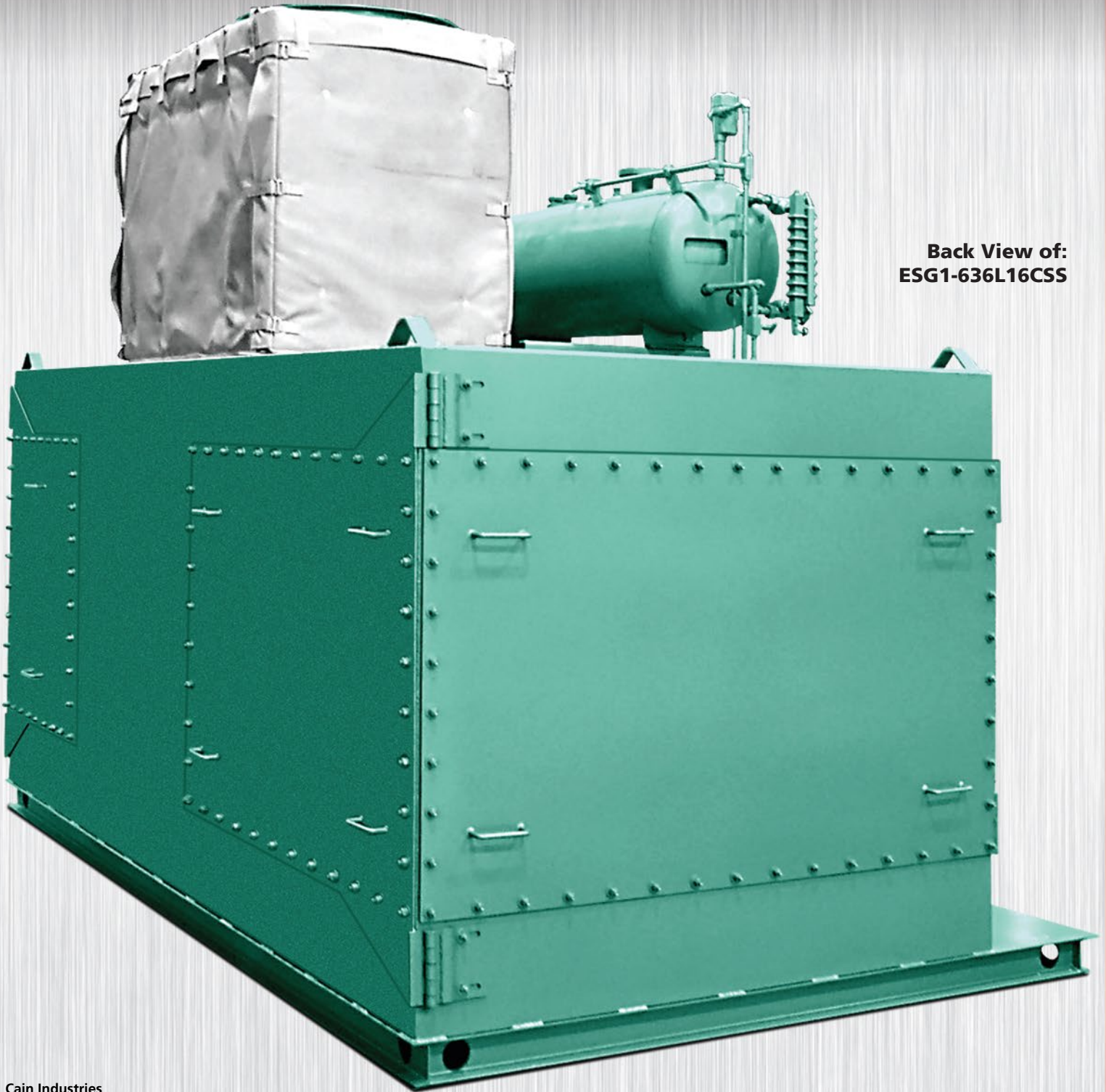
Savings comparison data is based on a conservative fuel cost per therm and approximate operating hours. Contact Cain Industries for your FREE savings analysis proposal.

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 Germantown, WI 53022 USA  
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Back View of:  
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