

Expensive Unreliable Dirty

The Grid

Expensive, unreliable, dirty



Increasing Rates

- Energy costs both rates and peak charges – rising
- Future electric goals to increase demand, infrastructure



Blackouts Increasing

- Mother Nature hurricanes, ice storms, heat waves, high winds, forest fires
- Capacity issues rolling blackouts / brownouts during summer months



Pollution

- Most of US grid electricity produced from coal and gas
- T&D inefficiencies from centralized systems further the effect

ON-SITE ENERGY

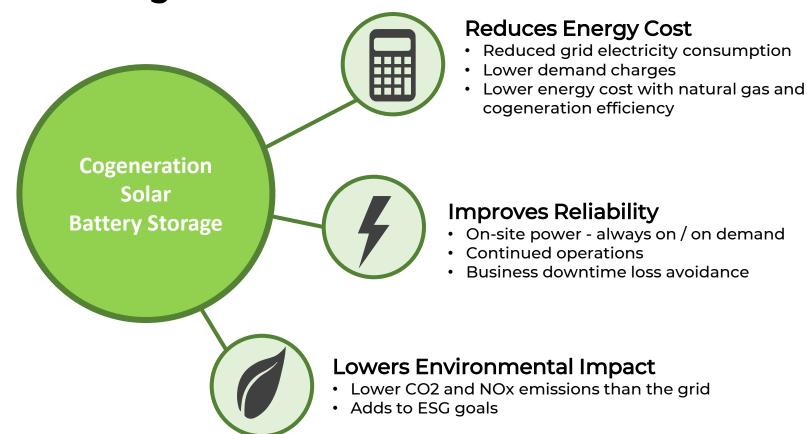
Cogeneration / Solar / Battery Storage



Inexpensive Reliable Clean

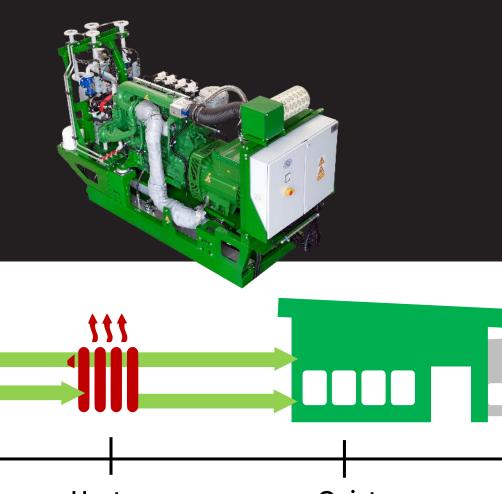
Onsite Power

Less expensive, more reliable and cleaner energy source than the grid



Cogeneration

- Clean, efficient power + heat
- Everyday and during outages



Fuel

- Clean, low emissions fuels
 - Natural gas
 - IP
 - Renewable natural gas

Engine

- Purpose built to run 24/7
- Long maintenance schedule
- Proven for 25+ years

Power

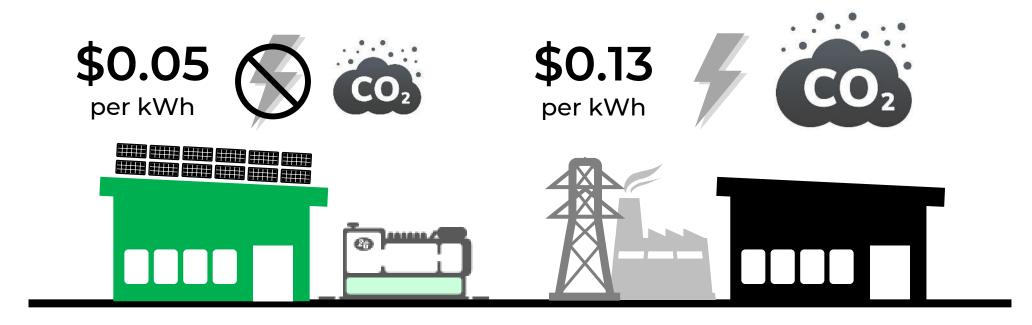
- Displaces high cost grid power
- Single units from 60 – 2,500 kW, paralleled for higher demands
- Lowers peak demand / charges

Heat

- Hot water system
- Space heating
- Pre-heat boiler
- Swimming pool
- Cooling through absorption chiller

Quiet, Clean, Reliable Savings

Inexpensive, resilient, clean energy



- ► 54% lower energy cost
- Resiliency against outages
- 49% lower emissions







Resiliency



Clean

Based on \$0.90 per therm of natural gas, 6,000 hours per year operation, 100% heat utilization, CO2 emissions from average Midwest grid per EPA data of pounds per MWh of CO2.

Financing Options

- Lease / Loan
 - Standard equipment lease up to 10 years
- PPA Power Purchase Agreement
 - Customer pays lower rate per kWh used
- ESA Energy Service Agreement
 - Pay-for-performance, off-balance sheet
 - No upfront capital expenditure



Incentives

- Taxes
 - Bonus depreciation
 - Allows percent of costs deducted from taxes
 - CHP ITC Investment Tax Credit
 - 30% of project cost deducted from taxes



- Production paid for every kWh produced for first 12 months
- Capacity Reduction paid for each kW displaced from grid
- Capital Cost paid \$X / kW to lower out-of-pocket cost
- Natural Gas Lower natural gas rates for CHP



EIS will research particular incentives that would apply to your actual project. Consult with your tax accountant to verify deductions. Incentives vary from state to state and by utility.