



# VALUE ESTIMATING TOOL GAS TURBINE IN BREWERY APPLICATIONS

## MAIN REFERENCE ASSUMPTIONS:

Temperature: 15°C (59°F) Sea Level

Running hours = 7,800 hr/yr

Availability: 100%

Estimates Include Maintenance Costs

This tool provides a quick evaluation of potential annual operating savings. This is only an estimate and should be discussed with your Solar Sales Manager.



Visit the Solar Turbines CHP web page  
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## STEP 2 – Identify Your Potential Savings

Locate the gas turbine from step 1 in the charts below. Identify the savings line according to your gas [USD/MMBtu] and power [USD/kWh] costs.



### CALCULATION TIPS

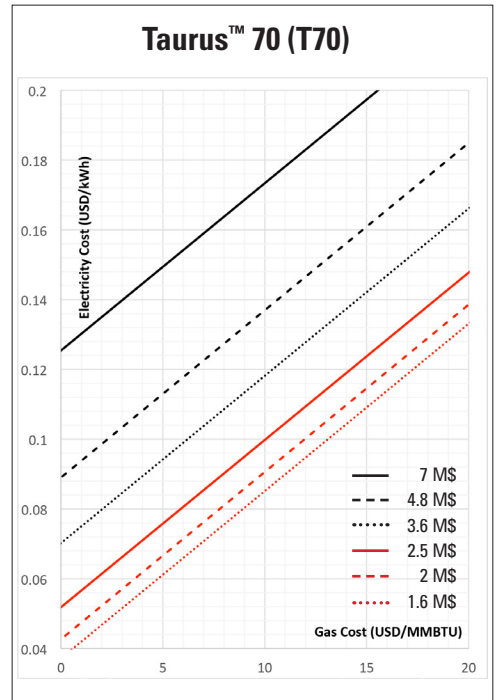
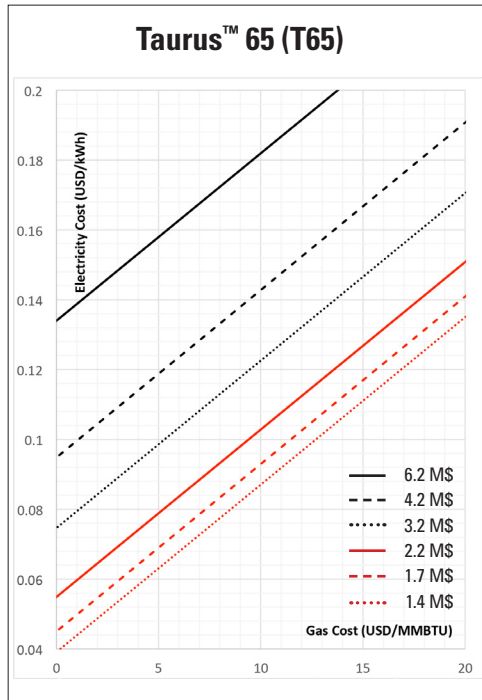
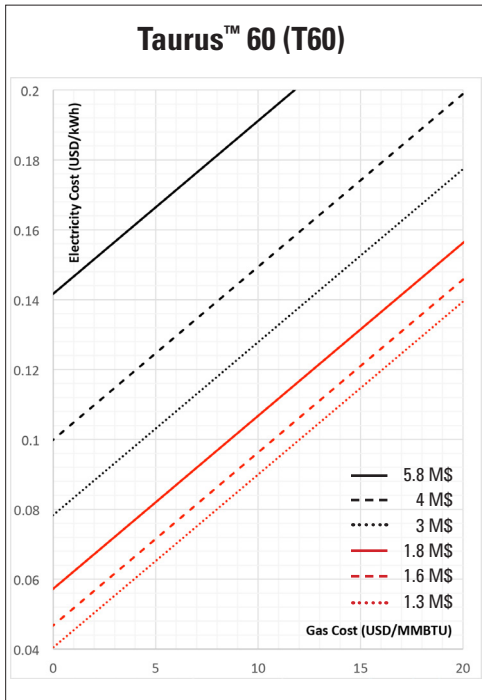
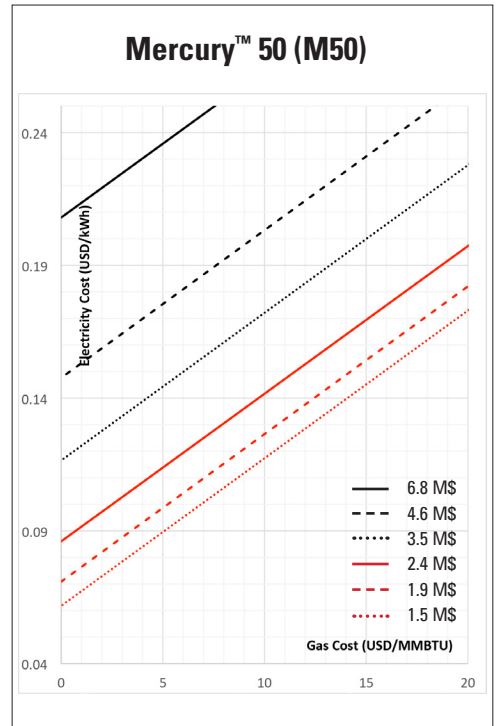
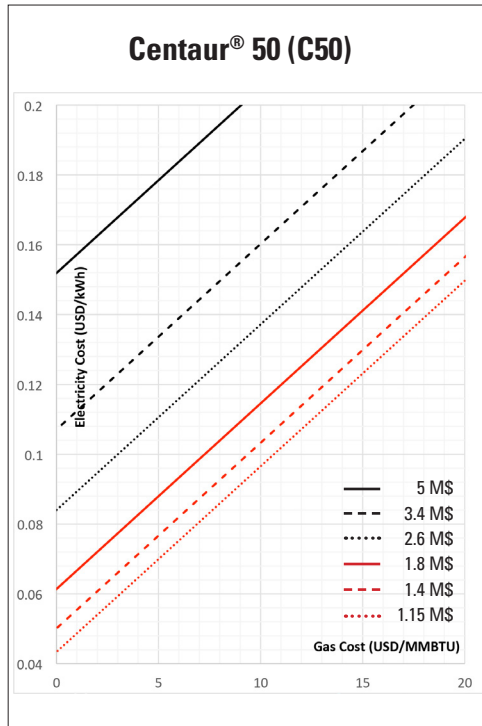
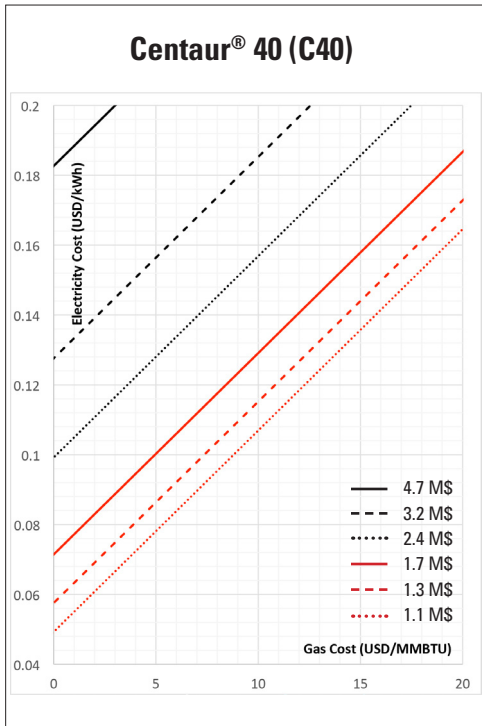
**Gas**

$$0,0034 \frac{\text{USD}}{\text{kWh}} = 1 \frac{\text{USD}}{\text{MMBtu}} = \left( 0,0324 \frac{\text{USD}}{\text{Sm}^3} \right)^*$$

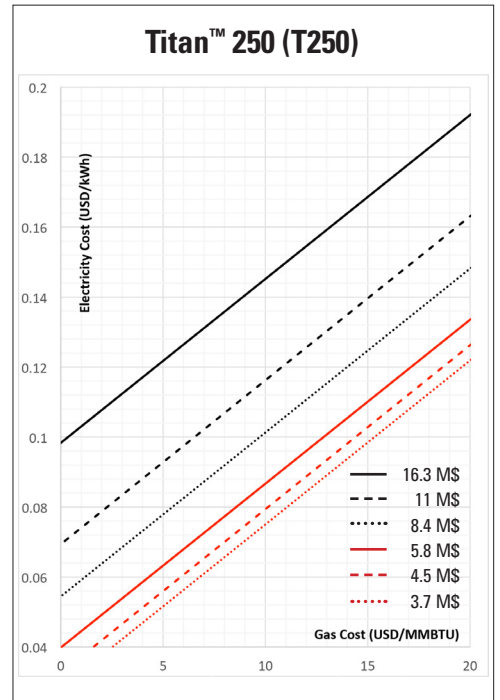
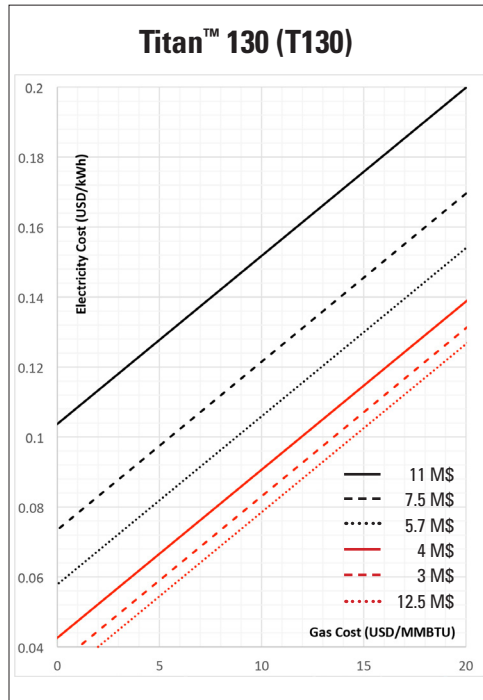
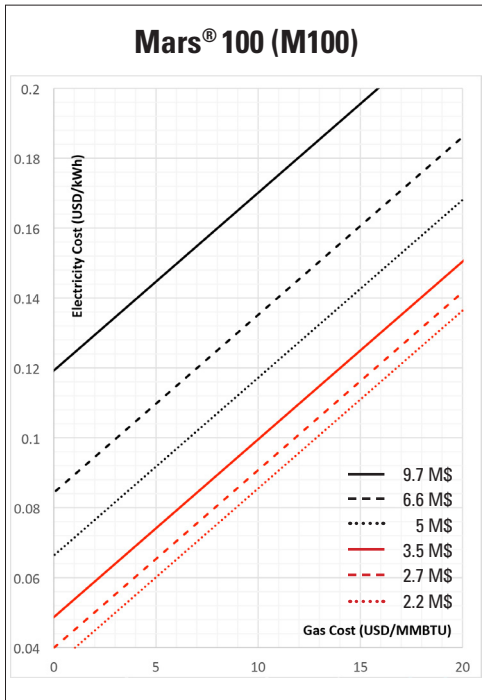
(\*) With Gas LHV = 9,5  $\frac{\text{kWh}}{\text{Sm}^3}$

**Steam**

$$1 \frac{\text{t}}{\text{h}} = 2205 \frac{\text{lb}}{\text{h}}$$



## STEP 2 (continued) – Identify Your Potential Savings



## Solar Turbines - Sales and Service Locations



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