

1 Q. What is the estimated cost of energy in cents/kwh from the combustion turbine  
2 while operating at its nameplate rating? In the response, please provide the  
3 calculation.

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6 A. The estimated cost of energy in cents/kWh from the combustion turbine while  
7 operating at its nameplate rating is 29 cents/kWh. The following shows the  
8 calculation:

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10 Input data:

11 Base load fuel consumption: 42,835 L/hr.  
12 Current fuel price: 86.69 cents/L  
13 Base load fuel cost: \$37,134/hr.  
14 Base Load: 128.8 MW at ISO conditions = 128,800 kW

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16 Calculation:

17 Fuel cost per kWh = Base load fuel cost/Base load  
18 = \$37,134/128,800 kWh  
19 = \$0.288/kWh = 28.8 cents/kWh (approx. 29 cents/kWh)