ENGR290: Renewable Energy

Quiz 4: Power and energy calculation review

Nov 12, 2013.

Problem 1

On average, a \$2000 wind turbine produces the power shown in Figure 1. PNM sells energy at \$0.13/kWh and buys energy at \$0.05/kWh. My house uses an average of 24kWh/day. Assume a 10 year investment and 6% interest rate.

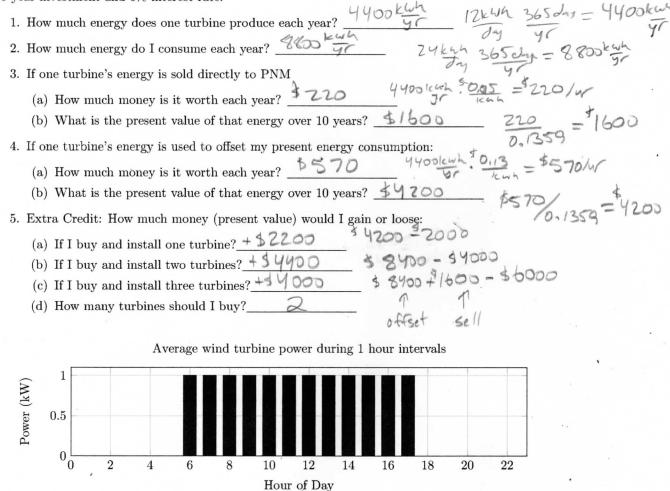


Figure 1: Wind turbine Power Output