22. Correct. The answer is false. The real capital cost per kWh is $\$_k$=\$0.0267 per kwh.

Expected Power = E(El)*24*365

= 30 E[x]*24*365

=30*[30 (0.05)+10 (0.45)+ 0 (0.50)]* 24 * 365

=1,576,800 kwh each year.

Total costs are:

\$300,000 + \$100,00= \$400,000

The real capital cost per kilowatt hour $\$_k$ is:

$(400,000) = \Sigma(i=0, 20) [\$_k (1,576,800 /(1+0.10)^i]$

$\$_k$=\$0.0267 per kwh