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$$1 \text{ yr} = 365 \frac{\text{days}}{\text{yr}} \times 24 \frac{\text{hrs}}{\text{day}} = 8760 \text{ hrs}$$

Average
Wasted
Power

$$P_{\text{avg}} = \frac{\text{W}}{\text{hr}} \times 8760 \text{ hrs} = 122 \times 10^9 \text{ Wh}$$

122000000000 Wh

$$\text{Annual Savings} = 122 \times 10^9 \frac{\text{Wh}}{\text{yr}} \times 0.87 = 106.14 \text{ Billion } \$/\text{yr}$$

1-2

The percentage reduction in the power consumption is the same as the percentage reduction in the energy consumption.

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Bernard Kolman



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