

### Cold Beverage Vending Machine DNCB 440 252-8

Average/Base Wattage Use	400
Hours in Use	8760
CF	0.27
Savings Factor	46%
Conversion Factor to kW	1000

### Savings Equation with Load Management

kWh Savings Per Year = Ave Base Wattage / Conversion Factor to kW X hours X Savings Factor  
 $400W / 1000 \times (8760) \times 46\% = \mathbf{1,612 \text{ kWh per year}}$

kW Savings = kWh Savings per Year / Hours X CF  
 $1612 / 8760 \times 0.27 = \mathbf{.044 \text{ kW per year}}$

### Usage Equation without Load Management

Base Wattage / Con. Factor X Hours = kWh Usage/Year  
 $400 / 1000 \times 8760 = \mathbf{3504 \text{ kWh Per Year}}$

### Yearly Cost Without Load Management

Yearly kWh X SC Rate = Cost per Year  
 $3504 \text{ kWh} \times \$0.11917 = \mathbf{\$ 417.57 \text{ per year}}$

### Yearly Cost with Load Management

$3504 \text{ kWh} - 1612 \text{ kWh} = \mathbf{1892 \text{ kWh}}$   
 $1892 \text{ kWh} \times \$0.11917 = \mathbf{\$225.47}$

### Yearly Cost Difference

Cost W/O Load Management - Cost W/Load Management  
 $\$417.57 - \$225.47 = \mathbf{\$ 192.10}$