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# Innovator II Doors: 100 Doors

Example based on a typical 45,000 - 50,000  
sq. ft. supermarket



## Innovator II Doors vs. Innovator Doors

100 Doors	1 Year Savings	10 Year Savings
Electricity	\$11,252	112,520
Lbs. of CO <sub>2</sub>	136,655	1,366,550
Cars Removed for 1 Year	12.90	129
Planting X Acres of Trees	21.22	212.2



## Innovator II Calculations

Energy Saved Per Year				Savings				
Energy difference per door				Electrical savings in dollars per year per store*				
Innovator I		1,777.14	BTU/Door	102,286.82 kWh/Year	*	\$0.11/kWh		
Innovator II	-	1,378.619	BTU/Door		=	\$11,251.55		
Savings		398.518	BTU/Door	* At \$0.11 per kWh				
Conversion to kWh per door				Pounds of CO <sub>2</sub> saved per year per store**				
398.518 BTU/Door	*	0.000293		102,286.82 kWh/Year	*	1,336 lbs CO <sub>2</sub> /1,000 kWh		
	=	0.1168	kWh/Door		=	136,655.19 lbs CO <sub>2</sub> /Year		
Number of doors in a typical store				Equivalent to cars removed per year per store***				
100 Doors				136,655.19 lbs CO <sub>2</sub> /Year	/	10,597 lbs CO <sub>2</sub> /Car		
kWh saved per store per hour				=				12.9 Cars/Year
0.1168 kWh	*	100		Equivalent to planting X acres of trees per year per store****				
	=	116.87	kWh	102,286.82 kWh/Year	*	1.4 acres/6,750 kWh		
kWh saved per store per day				=				21.22 Acres/Year
116.87 kWh	*	24	Hours	Sources				
	=	280.24	kWh/Day	** 1000 kWh = 606 kg CO <sub>2</sub> 606 kg = 1336 lbs				
kWh saved per store per year				Carbon Footprint. <a href="http://www.carbonfootprint.com/usa.html">www.carbonfootprint.com/usa.html</a> . Updated 3/15/07.				
280.24 kWh/Day	*	365	Days	Accessed July 26, 2007.				
	=	102,286.82	kWh/Year	*** Assume 13,000 miles per year at 24 mpg				
Conversion factors				Lexington Global Warming Action Coalition Carbon Footprint Calculator				
Watts to BTU	multiply by	3.413		<a href="http://www.lexgwac.org/Calculator2.html">http://www.lexgwac.org/Calculator2.html</a>				
BTU to kWh	multiply by	0.000293		Accessed August 16, 2007.				
Watts to kWh	multiply by	0.001		**** 6,750 kWh = planting 1.4 acres of trees				
				Clark, Reed. <i>Getting Noticed: Your Guide to Self-Promotion.</i>				
				EPA - Inside ASHE. July/Sept 2003.				

While this example is typical, benefits will vary for every supermarket