



Incandescent Light Bulbs versus Compact Fluorescent Light Bulbs

west virginia department of environmental protection

Bulb	Stock picture	Watts	Lumens (light intensity)	KWH per Day	KWH (\$)	Daily Cost (\$)	Energy Cost per Yr (\$)	Average Rated Life (hrs)	Bulbs Needed per Yr	*Purchase Price per Bulb (\$)	Cost in Bulbs per Yr (\$)	Total Cost per Yr (\$)	Comparative Total Savings per Yr (\$)
40 Watt Incandescent		40	480	0.96	0.06	\$0.06	\$21.02	1,500	5.84	\$1.19	\$6.95	\$27.97	\$0.00
40 Watt Equivalent (11 Watt CFL)		11	600	0.264	0.06	\$0.02	\$5.78	8,000	1.095	4.98**	\$5.45	\$11.23	\$16.74
60 Watt Incandescent		60	820	1.44	0.06	\$0.09	\$31.54	1,000	8.76	\$0.20	\$1.71	\$33.24	\$0.00
60 Watt Equivalent (13 Watt CFL)		13	800	0.312	0.06	\$0.02	\$6.83	8,000	1.095	\$4.99**	\$5.46	\$12.29	\$20.95
60 Watt Equivalent (13 Watt CFL)		13	800	0.312	0.06	\$0.02	\$6.83	8,000	1.095	\$2.00	\$2.18	\$9.02	\$24.23
100 Watt Incandescent		100	1,650	2.4	0.06	\$0.14	\$52.56	750	11.68	\$0.20	\$2.28	\$54.84	\$0.00
100 Watt Equivalent (23 Watt CFL)		23	1,600	0.552	0.06	\$0.03	\$12.09	8,000	1.095	\$2.50	\$2.73	\$14.82	\$40.02

*Prices are from Lowe's and represent the cost of comparable multibulb packs. Costs may vary by area.

**Price denotes single packaging for compact fluorescent bulb.