

Energy, Money and Reduction of Greenhouse Gas Saved by use of One Compact Florescent Bulb												
Quantity	Old watts	New Watts	Hours/Day	Old Watt/day	New Watt/day	Daily Energy Savings (KWh)	Yearly Energy Savings (KWh)	Cost per KWh	Yearly cost Savings	CO2 lbs per KWh	Yearly CO2 Savings	Yearly Water Savings*
1	60	15	5	300	75	0.2	82.1	0.08457	\$ 6.95	2.0424	167.7 lbs	163.3 gallons
1	75	20	5	375	100	2.7	97.4	0.08457	\$ 8.23	2.0424	198.92 lbs	193.8 gallons

\*Based on average water consumption by PNM (20,200 ac ft) + BHP Billington (51,600 ac ft) for San Juan Generating Plant = 1.99 gallons per Kwh

### Cost Comparison of Incandescent and Compact Florescent Bulbs\*

Incandescent Bulb/ Watts	Life of Bulb	Cost of Bulb	Cost per hour of use
60 Watt	1000 hours	\$ 1.895	0.0018
75 Watt	750 hours	\$ 1.745	0.0023
100 Watt	1125 hours	\$ 1.745	0.0155
150 Watt	750 hours	\$ 2.99	0.0398
50-100-150	1200 hours	\$ 2.99	0.0249
Compact Florescent/Watts	Life of Bulb	Cost of Bulb	Cost per hour of use
60/14	10,000 hours	\$ 2.49	0.00025
75/20	8,000 hours	\$ 3.49	0.00043
100/23	8,000 hours	\$ 4.99	0.00062
150/42	10,000 hours	\$ 7.99	0.00079
3-way	8,000 hours	\$ 7.99	0.00099

\*Based on actual cost of bulbs at Samon's on August 28, 2006