

Cost / Effectiveness

Analysis: Elect

Assumptions:

Societal costs	0.065 /kWh
Avoided energy cost	0.055 /kWh
Retail energy cost	0.08 /kWh
Discount rate (society)	2.0%
Utility investment rate	5.0%
Consumer interest	7.0%

Measure:

Life of investment	20 years
Savings (energy)	651 kWh
Savings (\$)	52.08
Cost (\$)	\$500

Avoided costs:

	Gas \$/th	Electric \$/kWh
Society	\$0.80	\$0.065
Utility	\$0.70	\$0.055
Consumer	\$1.30	\$0.080

Results: 0

Levelized energy cost	0.062 /kWh
Total Resource Cost	1.38
Consumer cash flow	\$5
Consumer payback	9.6 years

Spokane

Wx Measure	Savings				Cost	
	Per Unit kWh	Per SF(measure) kWh	Per Unit th	Per SF(measure) th	unit	sq.ft.
Ceiling R0-38	1085	5.04	62	0.29	\$220	\$1.00
Wall R0-11	993	2.78	56	0.16	\$446	\$0.90
Floor (crawl) R0-25	423	1.97	24	0.11	\$266	\$1.25
Window (SG) Class40	3404	30.26	194	1.72	\$1,800	\$16.00
Window (SG) Class35	3525	31.33	200	1.78	\$1,900	\$17.00
Window (DG) Class40	2181	19.38	124	1.10	\$1,800	\$16.00
Window (DG) Class35	2301	20.45	131	1.16	\$1,900	\$17.00
Boiler tune-up			25		\$200	
Lighting	460				\$80	
Appliances (DW,REF)	120				\$100	
DHW flow control	125		16		\$50	
Exit signs		88.00			\$80	
Common area lighting	307				\$100	

Portland

Estar Measure	Savings		Cost
	Per Unit kWh	Per Unit th	unit
Package 1	94	9	\$45
Package 2	373	32	\$240
Package 3	540	46	\$330
Package 4	1168	101	\$939
AFUE 90+ (Code)		79	\$1,200
HSPF 8.5+ (Code)	651		\$500
Lighting (NWBOP)	445		\$160
Appliances (DW,REF)	120		\$100