



# CITY SAVINGS ESTIMATES

		Compared to Single Pane		Compared to Typical Alternative			
				Replacement		New Construction	
Official Savings Statements:		Choose ENERGY STAR and save <b>[insert \$ or Btu]</b> a year when replacing single pane windows		Choose ENERGY STAR and save <b>[insert \$ or Btu]</b> a year over double pane, clear glass replacement windows		Choose ENERGY STAR and save <b>[insert \$ or Btu]</b> a year over double pane, clear glass windows in new construction	
CITY		Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)
AK	Anchorage	\$385	65	\$55	9.4	\$55	9.2
	Fairbanks	\$490	83	\$70	13.5	\$85	11.3
AL	Birmingham	\$340	19.4	\$50	2.2	\$50	2.2
	Mobile	\$150	7.5	\$40	0.2	\$30	0.5
AR	Little Rock	\$375	22.6	\$55	2.6	\$55	2.5
AZ	Phoenix	\$320	16.7	\$85	3.5	\$90	3
	Flagstaff	\$665	44.1	\$30	1.8	\$30	1.7
	Tucson	\$305	17.4	\$65	2.5	\$65	2.1
CA	Fresno	\$235	12	\$70	2.1	\$75	1.8
	Los Angeles <sup>1</sup>	\$65	4.4	\$15	0	\$10	0
	Red Bluff	\$275	14.8	\$75	2.5	\$75	2.2
	San Diego	\$65	3.7	\$20	0.3	\$20	0.3
	San Francisco <sup>2</sup>	\$110	9.1	-\$5	-0.8	-\$10	-0.4
	Arcata <sup>1,2</sup>	\$150	12.5	\$0	-0.4	-\$5	-0.2
	Bakersfield	\$225	10.4	\$75	2	\$75	1.6
	Daggett	\$275	11.3	\$90	2	\$90	1.8
Sacramento	\$190	11.6	\$50	1.5	\$50	1.3	
CO	Denver	\$395	34.8	\$50	3.3	\$50	3.1
	Grand Junction	\$380	31.8	\$60	3.4	\$60	3.2
CT	Hartford	\$475	25.9	\$105	4.8	\$110	4.5

CITY		Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)
DC	Washington	\$505	27.9	\$70	3.4	\$70	3.3
DE	Wilmington	\$655	41.7	\$80	4.4	\$80	4.3
FL	Jacksonville	\$195	7.4	\$70	1	\$60	1.2
	Miami	\$195	6.8	\$170	5.1	\$170	4.6
	Daytona Beach	\$170	6.1	\$95	2	\$85	2
	Tallahassee	\$185	7.2	\$55	0.3	\$45	0.6
	Tampa	\$190	6.8	\$120	3	\$115	2.9
GA	Atlanta	\$465	24.6	\$55	2.4	\$55	2.3
	Savannah	\$330	17.1	\$50	2.1	\$50	1.9
IA	Des Moines	\$425	28.7	\$90	5.4	\$90	5.3
ID	Boise	\$395	36.6	\$50	4.1	\$50	3.8
IL	Chicago	\$300	23.4	\$65	4.7	\$70	4.4
	Springfield	\$280	21.6	\$65	4.3	\$65	4.1
IN	Indianapolis	\$345	25.2	\$75	4.8	\$75	4.5
KS	Wichita	\$340	23	\$70	4	\$70	3.8
KY	Lexington	\$490	34.7	\$65	4.3	\$65	4.2
	Louisville	\$440	30.9	\$60	3.9	\$60	3.8
LA	Lake Charles	\$150	7.8	\$70	1.6	\$65	1.6
	New Orleans	\$130	6.5	\$65	1.3	\$55	1.4
	Shreveport	\$245	14.7	\$50	2.2	\$50	2
MA	Boston	\$440	26.6	\$85	4.1	\$85	4.1
MD	Baltimore	\$555	33.3	\$65	3.6	\$70	3.5
ME	Portland	\$450	27	\$75	3.9	\$75	4
MI	Detroit	\$535	45.8	\$100	8.3	\$105	7.9
	Grand Rapids	\$560	48.2	\$110	9.1	\$115	8.8
	Houghton	\$635	55	\$120	10.2	\$120	10.3
MN	Minneapolis	\$335	27	\$75	5.3	\$75	5.2
	Duluth	\$405	33.2	\$80	6.1	\$75	6.3

CITY		Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)
MO	Kansas City	\$355	24.6	\$75	4.7	\$75	4.5
	St. Louis	\$355	24.6	\$75	4.8	\$75	4.5
MS	Jackson	\$260	15.5	\$55	2.3	\$55	2.2
MT	Great Falls	\$695	61.9	\$85	7.2	\$90	7.1
	Billings	\$660	58.4	\$85	6.6	\$85	6.5
NC	Raleigh	\$355	20.6	\$50	2	\$45	2.3
ND	Bismark	\$385	30.8	\$75	5.9	\$80	5.8
NE	Omaha	\$305	24.3	\$65	4.8	\$70	4.5
NH	Concord	\$480	28.7	\$95	4.9	\$95	4.8
NJ	Atlantic City	\$410	30.3	\$75	4	\$70	4.2
NM	Albuquerque	\$315	24	\$35	1.6	\$35	1.5
NV	Las Vegas	\$345	18.8	\$75	2.2	\$75	1.8
	Reno	\$425	31.2	\$45	2.3	\$45	2.2
NY	Buffalo	\$470	28.1	\$105	5.6	\$110	5.5
	New York City	\$365	21.1	\$85	3.5	\$85	3.4
	Albany	\$455	27	\$100	5.1	\$105	5
OH	Dayton	\$315	24.7	\$70	4.7	\$70	4.4
	Cleveland	\$330	25.8	\$75	5.2	\$75	5
OK	Oklahoma City	\$435	30.4	\$55	2.9	\$55	2.9
OR	Medford	\$380	27.8	\$60	3.4	\$55	3.5
	Portland	\$390	29	\$50	3.2	\$45	3.4
PA	Philadelphia	\$405	25.3	\$80	4.3	\$80	4.1
	Pittsburgh	\$460	29.4	\$95	5.7	\$100	5.5
	Williamsport	\$455	28.8	\$90	5.3	\$95	5.2
RI	Providence	\$415	25.3	\$75	3.9	\$80	3.8
SC	Charleston	\$240	13.6	\$50	1.6	\$45	1.7
	Greenville	\$295	17.3	\$50	1.7	\$40	2
SD	Pierre	\$350	26.8	\$70	5	\$75	4.8

CITY		Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)	Utility Dollars	Btu (millions)
TN	Memphis	\$275	17.6	\$50	2.2	\$45	2.4
	Nashville	\$335	22	\$60	3	\$55	3.1
TX	Brownsville	\$240	8.6	\$175	4.5	\$175	4.1
	El Paso	\$305	16.1	\$70	1.9	\$70	1.6
	Fort Worth	\$330	17.3	\$75	2.4	\$75	2.1
	San Antonio	\$225	9	\$130	2.3	\$125	2.2
	Houston	\$210	8.6	\$125	2.5	\$120	2.4
	Lubbock	\$380	23.1	\$60	2.1	\$60	2
	Salt Lake City	\$285	28.8	\$45	3.5	\$50	3.3
UT	Cedar City	\$260	26.9	\$35	2.4	\$35	2.3
VA	Richmond	\$500	28.9	\$60	2.8	\$55	2.8
VT	Burlington	\$465	34.1	\$95	6.2	\$95	6.2
WA	Seattle	\$340	28	\$40	3	\$40	2.9
	Spokane	\$465	38.1	\$60	4.5	\$60	4.4
WI	Madison	\$345	26.3	\$75	5	\$75	4.9
WV	Charleston	\$540	38.2	\$60	4.5	\$65	4
WY	Cheyenne	\$520	46.1	\$50	4.1	\$50	4.1

Source: U.S. Department of Energy (2006).

Note: For Savings Methodology, visit [www.energystar.gov/windows\\_methodology](http://www.energystar.gov/windows_methodology)

<sup>1</sup> Zero energy savings and positive dollar savings occur simultaneously because electric cooling costs per Btu through June 2006 in California were more than three times those for gas heating per Btu. The greater savings per Btu of electricity outweigh the increased heating costs leading to overall monetary savings.

<sup>2</sup> Anomalies such as negative savings (costs) occur when the cooling energy savings from ENERGY STAR qualified windows are less than the heating energy penalty, resulting in slightly greater average energy use than double clear windows.