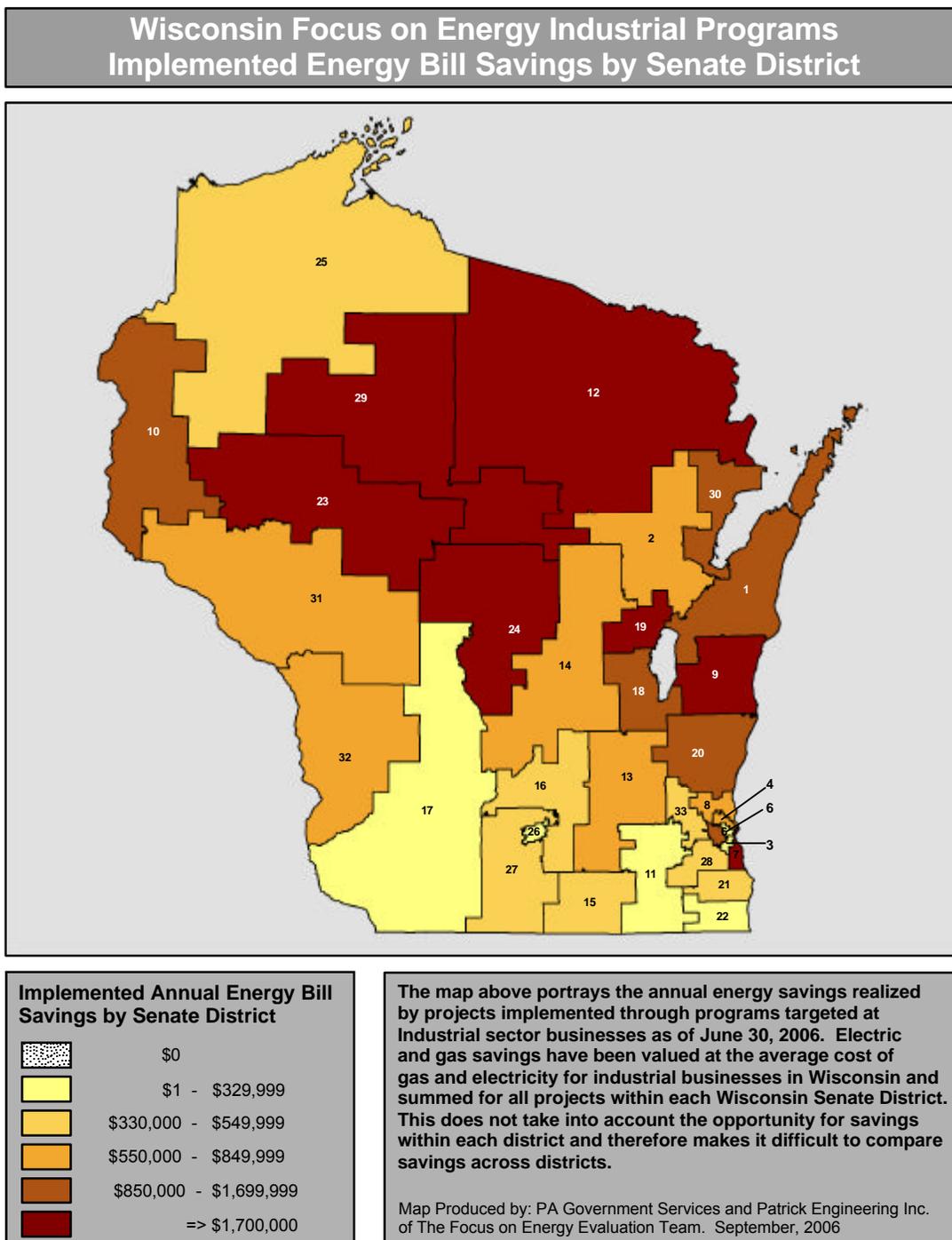


County	Annual Dollars Saved Per Capita	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved	Eligible Commercial Businesses
Polk	\$215.77	\$149,743	2,424,130	10,524	694
Portage	\$2,505.09	\$2,713,008	4,543,286	2,487,736	1,083
Price	\$6,768.72	\$1,631,260	8,666,027	1,151,386	241
Racine	\$171.90	\$523,781	4,823,879	250,414	3,047
Rock	\$220.58	\$513,502	5,134,022	221,846	2,328
Rusk	\$523.45	\$117,776	1,808,553	14,009	225
Sauk	\$140.04	\$114,971	1,987,535	699	821
Shawano	\$0.00	\$0	0	0	333
Sheboygan	\$2,306.16	\$3,403,886	17,591,712	2,431,262	1,476
St. Croix	\$215.35	\$198,340	1,854,586	93,192	921
Taylor	\$1,951.84	\$85,881	156,176	78,151	44
Trempealeau	\$455.79	\$94,804	505,871	66,785	208
Vernon	\$32.11	\$10,404	180,938	0	324
Vilas	\$36.78	\$17,507	304,463	0	476
Walworth	\$150.57	\$261,236	3,422,103	65,514	1,735
Washburn	\$12.88	\$4,417	65,960	634	343
Washington	\$230.81	\$430,238	3,615,334	225,972	1,864
Waukesha	\$145.94	\$1,242,226	12,055,013	557,991	8,512
Waupaca	\$528.93	\$449,590	862,580	406,496	850
Waushara	\$155.58	\$53,830	191,788	43,498	346
Winnebago	\$345.23	\$829,929	12,046,397	139,493	2,404
Wood	\$7,669.76	\$3,159,941	9,271,123	2,627,236	412
Not Mapped*		\$1,272,361	13,273,036	498,439	
		39,095,238	274,248,143	23,282,524	

* *Unknown County*: The impacts for these participants is not mapped either because their address information is not complete or because their address falls out of the boundaries of participating utility territory according to the GIS mapping application.

Figure A-6.
Wisconsin Focus on Energy Industrial Programs
Implemented Energy Bill Savings by Senate District

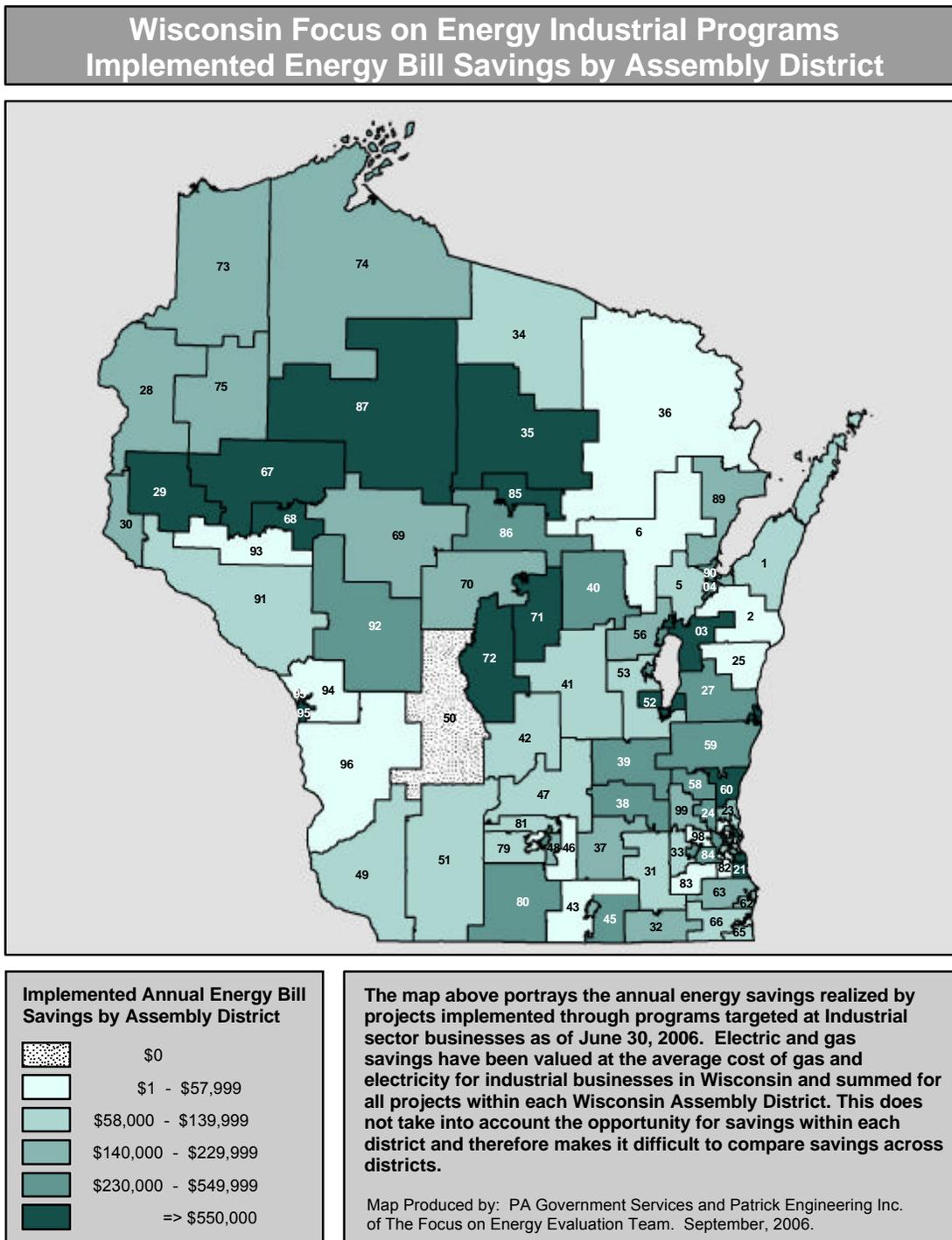


**Table A-6. Industrial Program Energy Impacts
(By Senate District)**

Senate District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
1	\$1,448,188	13,453,549	652,757
2	\$647,388	7,951,563	193,265
3	\$279,567	2,888,935	115,298
4	\$830,943	4,242,279	596,557
5	\$1,571,945	8,527,466	1,098,993
6	\$157,657	1,201,190	90,029
7	\$1,915,677	4,193,230	1,701,795
8	\$616,958	9,985,839	43,468
9	\$3,269,786	17,124,762	2,322,269
10	\$1,011,765	8,660,435	522,144
11	\$322,883	4,421,421	69,768
12	\$2,231,795	2,147,416	2,142,600
13	\$706,218	7,420,737	284,071
14	\$694,319	3,652,338	492,184
15	\$513,010	5,125,450	221,846
16	\$343,572	4,653,474	77,233
17	\$220,978	2,560,528	74,947
18	\$1,603,280	23,808,113	238,123
19	\$1,951,664	24,179,975	245,972
20	\$1,216,762	10,842,599	602,960
21	\$455,040	4,785,261	182,813
22	\$260,212	2,211,656	135,205
23	\$2,247,780	11,555,216	1,609,100
24	\$5,881,297	13,959,583	5,114,972
25	\$523,387	4,007,982	297,691
26	\$324,007	3,250,619	139,325
27	\$402,658	6,187,229	47,655
28	\$440,328	3,277,374	255,975
29	\$3,018,775	21,062,575	1,837,070
30	\$890,186	7,902,224	442,894
31	\$582,977	1,690,316	493,682
32	\$819,995	9,264,568	291,954
33	\$421,882	4,779,206	149,469
Not mapped*	\$1,272,361	13,273,036	498,439
	\$39,095,238	274,248,143	23,282,524

* *Unknown District*: The impacts for these participants is not mapped either because their address information is not complete or because their address falls out of the boundaries of participating utility territory according to the GIS mapping application.

Figure A-7.
Wisconsin Focus on Energy Industrial Programs
Implemented Energy Bill Savings by Assembly District



**Table A-7. Industrial Program Energy Impacts
(By Assembly District)**

Assembly District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
1	71,492	778,190	27,181
2	47,322	515,577	17,964
3	1,329,373	12,159,782	607,612
4	525,943	7,071,207	121,289
5	113,819	747,721	71,976
6	7,627	132,636	0
7	300	5,211	0
8	49,821	866,454	0
9	229,447	2,017,270	115,298
10	608,148	2,295,343	483,908
11	199,206	1,536,693	112,648
12	23,589	410,243	0
13	1,026,339	2,097,822	920,442
14	424,574	4,530,864	166,717
15	121,031	1,898,779	11,835
16	9,087	150,950	414
18	148,570	1,050,240	89,615
19	79,265	765,637	35,814
20	1,068,823	1,801,578	980,927
21	767,590	1,626,015	685,055
22	105,924	1,803,459	2,262
23	207,063	3,341,457	15,172
24	303,971	4,840,923	26,035
25	37,375	579,924	4,095
26	2,986,419	16,068,078	2,096,041
27	245,992	476,759	222,133
28	223,042	3,762,053	6,833
29	617,507	3,351,334	431,713
30	171,216	1,547,048	83,598
31	108,633	751,284	66,498
32	151,597	2,580,518	3,270
33	62,653	1,089,619	0
34	60,037	796,896	14,447
35	2,118,938	1,149,085	2,086,246
36	52,819	201,435	41,907
37	155,086	2,697,145	0
38	291,455	1,514,872	207,672
39	259,678	3,208,720	76,399
40	454,150	941,894	406,496
41	120,922	648,559	84,990
42	119,246	2,061,885	699
43	41,690	444,888	16,371
44	209,362	1,993,518	96,275
45	261,958	2,687,044	109,200
46	26,963	268,356	11,720

Assembly District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
47	132,202	2,299,170	0
48	184,407	2,085,948	65,513
49	94,771	365,622	74,947
51	126,207	2,194,905	0
52	1,071,555	15,147,553	203,832
53	114,847	1,979,572	1,039
54	416,878	6,680,988	33,253
55	542,736	5,989,649	201,556
56	226,879	3,347,227	34,973
57	1,182,050	14,843,099	9,443
58	302,316	2,549,064	158,277
59	343,099	1,498,105	261,136
60	571,347	6,795,430	183,547
61	58,305	467,067	31,960
62	175,226	1,983,624	62,162
63	221,509	2,334,569	88,691
64	39,285	645,608	2,198
65	134,230	1,215,147	65,406
66	86,697	350,902	67,602
67	804,963	5,386,664	503,282
68	1,218,550	5,415,580	921,905
69	224,267	752,972	183,913
70	184,893	795,795	141,397
71	2,564,289	4,376,600	2,346,339
72	3,132,115	8,787,188	2,627,236
73	147,292	608,806	114,111
74	150,833	2,118,907	29,467
75	225,262	1,280,269	154,113
76	50,608	880,131	0
77	451	7,851	0
78	272,948	2,362,638	139,325
79	70,440	845,258	22,193
80	274,176	4,332,544	25,462
81	58,042	1,009,427	0
82	42,067	731,593	0
83	56,274	978,672	0
84	341,988	1,567,110	255,975
85	884,653	7,457,301	463,270
86	298,984	2,970,674	130,254
87	1,835,138	10,634,600	1,243,546
88	212,002	3,428,405	15,111
89	141,199	1,651,454	46,993
90	536,984	2,822,365	380,791
91	107,223	589,790	74,502
92	450,544	662,103	419,180
93	25,209	438,423	0
94	26,605	455,960	394
95	747,728	8,049,508	289,514

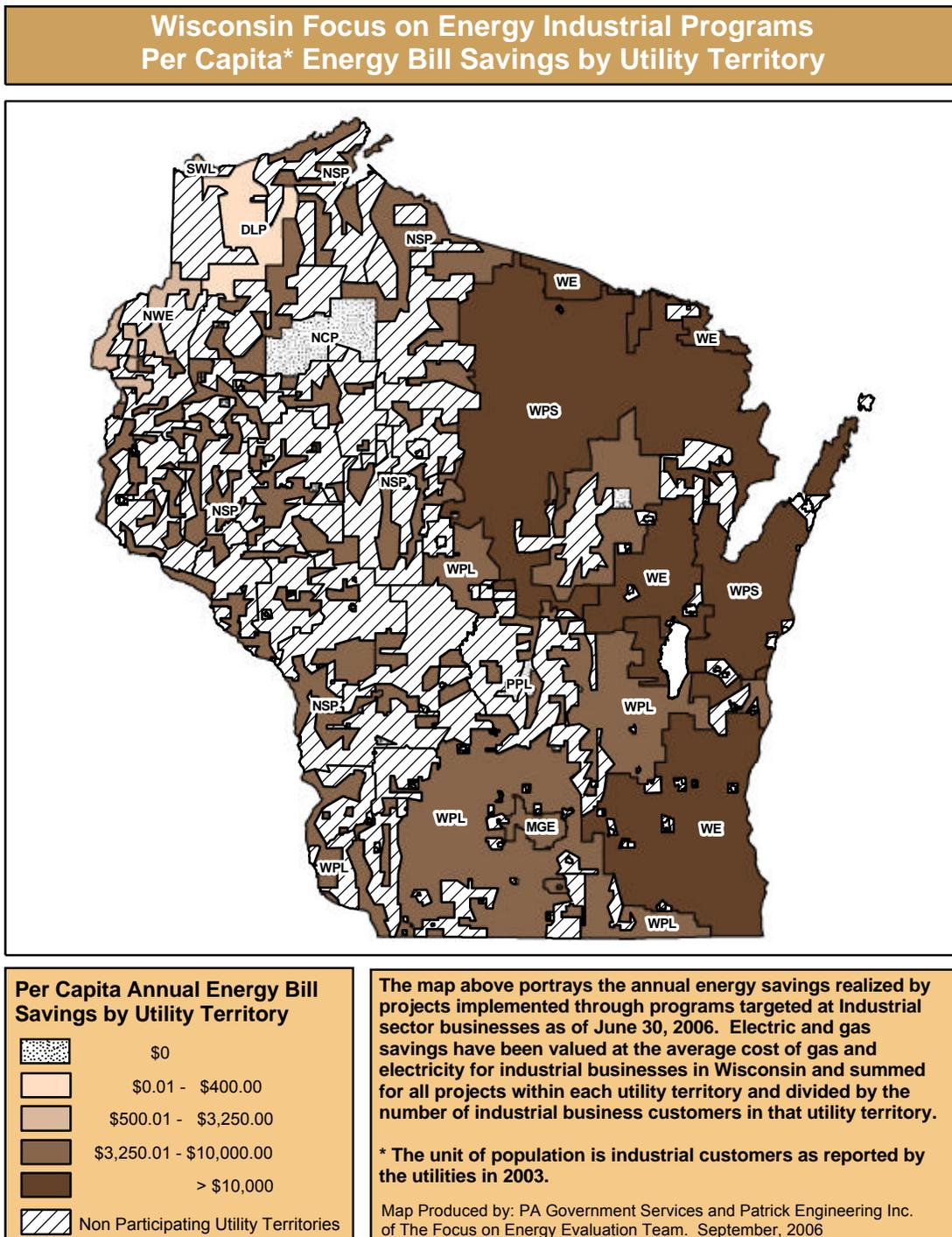
A: Geographic Distribution of Direct Energy Impacts...



Assembly District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
96	45,662	759,100	2,046
97	252,391	4,261,997	7,445
98	6,652	115,681	0
99	162,839	401,528	142,024
Not mapped*	1,272,361	13,273,036	498,439
	39,095,238	274,248,143	23,282,524

* *Unknown District*: The impacts for these participants is not mapped either because their address information is not complete or because their address falls out of the boundaries of participating utility territory according to the GIS mapping application.

Figure A-8.
Wisconsin Focus on Energy Industrial Programs
Per Capita Energy Bill Savings by Utility Territory



**Table A-8. Industrial Program Energy Impacts
(By Participating Utility)**

Utility	Map Code	Annual Dollars Saved Per Capita	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved	Number of Customers
Alliant Energy	WPL	\$7,386.15	\$7,164,564	57,618,698	3,914,115	970
Bloomer Electric & Water Co		\$294.53	\$14,726	256,111	0	50
City of Argyle						
City of Barron						
City of Cornell		\$21,232.25	\$254,787	195,744	247,492	12
City of Evansville		\$3,344.29	\$6,689	116,323	0	2
City of Princeton						
City of Shullsburg						
Consolidated Water Power Co		\$72,998.89	\$72,999	359,924	42,205	1
Cumberland City of		\$362.82	\$8,708	104,845	2,723	24
Dahlberg Light & Power Co	DLP	\$48.15	\$1,926	33,493	0	40
La Farge Municipal Electric Co						
Madison Gas & Electric Co	MGE	\$8,886.67	\$568,747	6,321,713	208,586	64
North Central Power Co Inc	NCP					
Northwestern Wisconsin Elec Co	NEW	\$2,947.42	\$82,528	1,392,457	2,502	28
Pioneer Power & Light Co	PPL					
Spooner City of		\$339.75	\$4,417	65,960	634	13
Superior Water, Light & Power Co	SWL	\$1,135.67	\$145,366	575,313	114,111	128
Village of Benton						
Village of Cadott						
Village of Cashton						
Village of Centuria						
Village of Gresham						
Village of Pardeeville						
Village of Stratford		\$1,079.63	\$2,159	37,552	0	2
Village of Viola						
We Energies	WE	\$15,465.63	\$10,671,284	89,285,773	5,302,710	690
Westfield Electric Co						
Wisconsin Public Service Corp	WPS	\$36,639.45	\$8,390,435	44,463,846	5,924,722	229
Wonewoc Electric & Water Util						
Xcel Energy	NSP	\$3,810.86	\$6,101,181	39,001,863	3,921,315	1,601
Not mapped*			\$5,604,724	34,418,527	3,601,409	
			\$39,095,238	274,248,143	23,282,524	3,854

* *Unknown Utility*: The impacts for these participants is not mapped either because their address information is not complete or because their address falls out of the boundaries of participating utility territory according to the GIS mapping application.

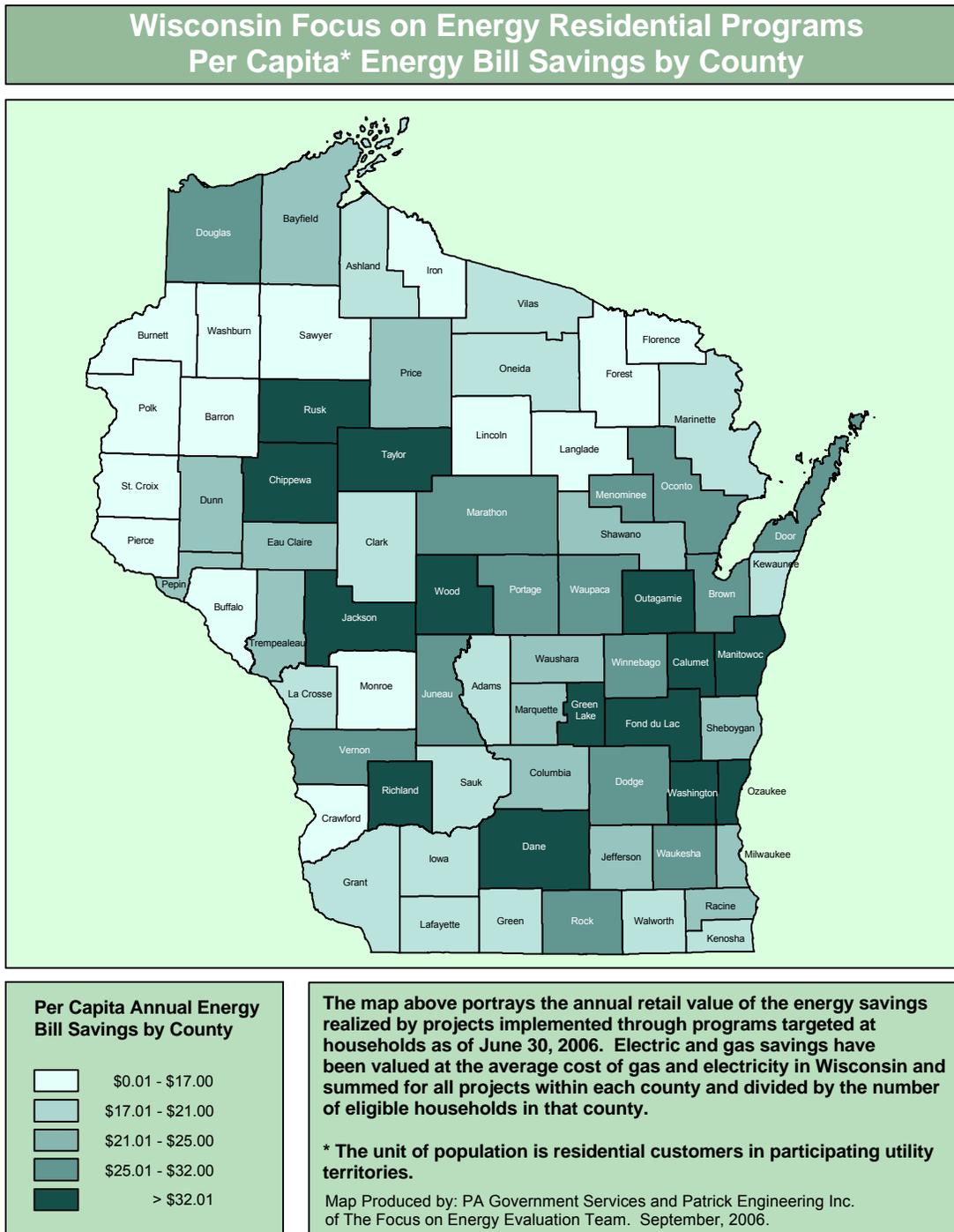
A.3 RESIDENTIAL PROGRAMS

In this section, we summarize the evaluated energy impacts across the Residential Programs through the second quarter of FY05 that ended on December 31, 2004. The tables and maps below provide *verified gross energy savings* that are based on the evaluators' review of participants, measures installed, and per-unit savings used by WECC program administrators.

The "*Number of Customers (Households)*" for each county was estimated by determining the proportion of the area of each census block group that was within the boundaries of a utility participating in the Focus on Energy. This proportion was then applied to the population of that census block group to estimate the number of participating households within the block group. These block group estimates were then aggregated to the county level.

The "*Number of Customers*" presented for each of the participating utilities in Table A-9 are based on the number of customers reported by the utilities in 2003.

Figure A-9.
Wisconsin Focus on Energy Residential Programs
Per Capita Energy Bill Savings by County



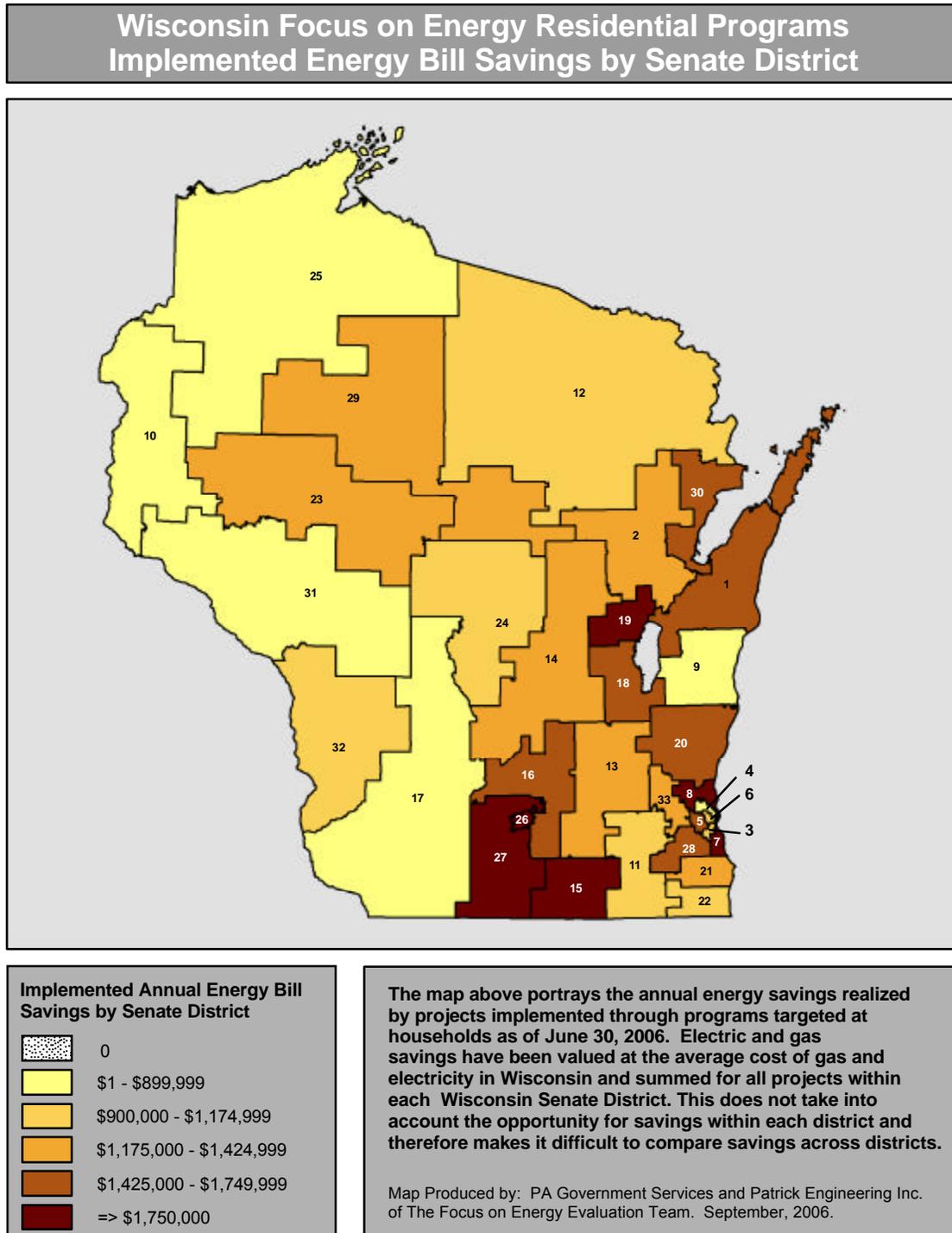
**Table A-9. Residential Programs Energy Impacts
(by Participating County)**

County	Annual Dollars Saved Per Capita	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
Adams	\$18.66	\$47,017	420,267	2,456
Ashland	\$20.74	\$102,680	771,395	18,643
Barron	\$16.01	\$145,961	1,253,890	12,232
Bayfield	\$23.04	\$88,384	585,210	23,191
Brown	\$27.85	\$2,431,424	17,646,675	497,634
Buffalo	\$13.72	\$32,577	250,015	5,436
Burnett	\$7.47	\$26,043	226,314	1,948
Calumet	\$35.25	\$459,264	3,632,615	66,848
Chippewa	\$38.69	\$524,855	4,213,723	70,744
Clark	\$18.81	\$146,702	1,258,922	12,416
Columbia	\$21.78	\$346,042	2,858,024	39,399
Crawford	\$14.49	\$61,012	539,617	3,709
Dane	\$39.59	\$6,124,899	40,532,151	1,609,120
Dodge	\$25.55	\$709,428	5,858,647	80,832
Door	\$31.91	\$197,125	1,768,993	9,667
Douglas	\$25.97	\$386,643	2,940,656	66,937
Dunn	\$24.99	\$222,483	1,914,241	18,374
Eau Claire	\$24.85	\$768,918	6,061,047	113,807
Florence	\$4.13	\$7,260	68,597	44
Fond du Lac	\$32.09	\$1,172,619	8,839,737	210,149
Forest	\$14.96	\$60,474	550,292	2,276
Grant	\$17.01	\$179,664	1,509,763	18,109
Green	\$20.58	\$241,140	2,044,642	22,647
Green Lake	\$32.11	\$219,768	1,824,294	24,189
Iowa	\$19.29	\$168,864	1,422,014	16,747
Iron	\$9.32	\$22,230	188,946	2,047
Jackson	\$53.73	\$52,724	476,814	2,253
Jefferson	\$22.45	\$508,862	4,285,895	50,400
Juneau	\$26.99	\$75,958	588,626	12,160
Kenosha	\$18.56	\$1,040,507	8,229,267	151,520
Kewaunee	\$19.55	\$140,027	1,236,439	8,695
La Crosse	\$19.48	\$723,592	5,550,649	120,982
Lafayette	\$20.67	\$73,662	618,216	7,495
Langlade	\$16.56	\$139,988	1,251,105	7,331
Lincoln	\$15.55	\$179,704	1,431,530	25,238
Manitowoc	\$32.01	\$423,358	3,597,477	39,053
Marathon	\$25.60	\$1,137,088	8,963,998	168,224
Marinette	\$17.31	\$291,396	2,523,836	22,555
Marquette	\$24.21	\$61,371	528,908	4,990
Menominee	\$29.77	\$38,377	207,623	14,285
Milwaukee	\$21.88	\$8,265,127	61,086,965	1,591,792
Monroe	\$10.90	\$122,166	1,037,848	11,293
Oconto	\$25.43	\$205,056	1,784,383	15,115
Oneida	\$17.44	\$265,331	2,236,249	26,145
Outagamie	\$37.35	\$1,745,185	14,590,301	182,695
Ozaukee	\$32.73	\$826,329	6,678,838	107,319

County	Annual Dollars Saved Per Capita	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
Pepin	\$23.99	\$45,972	380,272	5,182
Pierce	\$13.28	\$52,805	478,953	2,129
Polk	\$13.10	\$106,637	760,756	23,022
Portage	\$31.34	\$725,728	5,497,551	127,641
Price	\$21.69	\$60,783	542,014	3,294
Racine	\$21.04	\$1,490,016	12,961,588	110,227
Richland	\$40.99	\$86,077	751,065	6,161
Rock	\$30.89	\$1,674,265	13,112,134	255,547
Rusk	\$38.77	\$130,628	1,115,103	11,588
Sauk	\$20.94	\$336,453	2,928,489	24,735
Sawyer	\$12.40	\$58,053	488,034	5,833
Shawano	\$24.95	\$233,931	1,932,371	26,608
Sheboygan	\$21.61	\$752,923	5,967,517	108,488
St. Croix	\$13.34	\$185,515	1,648,613	10,566
Taylor	\$95.64	\$70,180	633,631	3,094
Trempealeau	\$22.10	\$61,549	534,800	4,609
Vernon	\$29.71	\$129,557	1,120,714	10,156
Vilas	\$19.21	\$168,918	1,387,437	19,929
Walworth	\$20.43	\$648,155	5,505,503	59,989
Washburn	\$16.78	\$61,810	548,466	3,595
Washington	\$34.57	\$1,342,445	10,156,435	237,277
Waukesha	\$26.30	\$3,384,456	28,548,541	331,324
Waupaca	\$27.75	\$400,627	3,364,183	40,597
Waushara	\$24.50	\$150,759	1,260,087	15,810
Winnebago	\$29.39	\$1,631,924	12,252,720	296,948
Wood	\$37.30	\$349,849	2,921,872	36,894
Not Mapped*		\$1,500,114	\$5,372,097	\$807,167
		\$47,049,417	358,256,596	8,107,548

* *Unknown County*: The impacts for these participants are not mapped either because their address information is not complete or because their address falls out of the boundaries of participating utility territory according to the GIS mapping application.

Figure A-10.
Wisconsin Focus on Energy Residential Programs
Implemented Energy Bill Savings by Senate District

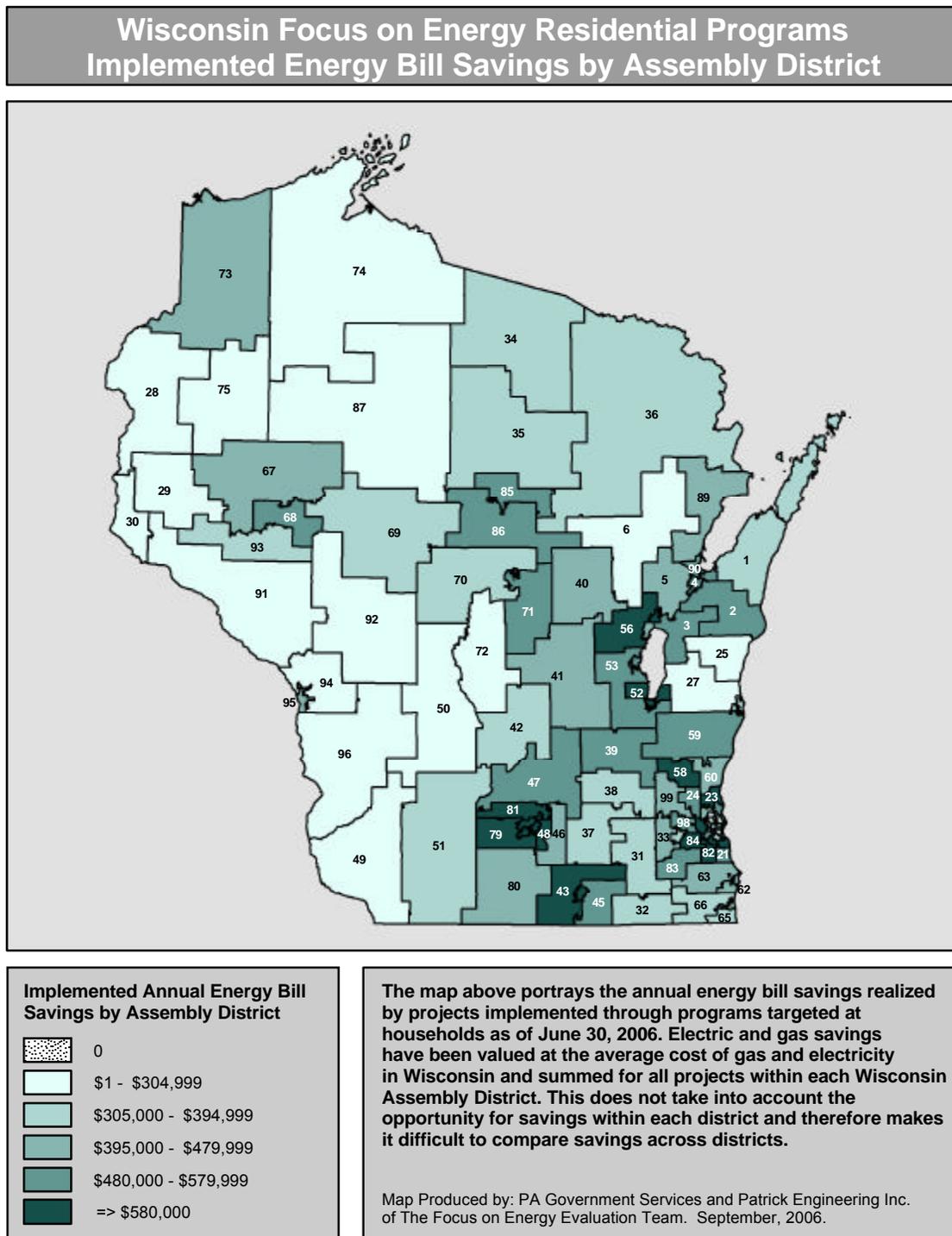


**Table A-10. Residential Programs Energy Impacts
(By Senate District)**

Senate District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
1	\$1,436,970	12,010,186	150,733
2	\$1,316,710	10,055,211	224,251
3	\$1,101,527	8,396,942	188,964
4	\$873,713	6,149,047	196,245
5	\$1,700,306	13,673,966	227,068
6	\$1,140,019	6,561,607	388,606
7	\$2,020,420	14,911,963	391,003
8	\$1,768,311	13,721,626	281,422
9	\$879,862	7,068,574	118,167
10	\$459,155	3,835,249	48,378
11	\$1,165,583	9,785,232	118,339
12	\$1,071,430	9,169,638	92,925
13	\$1,225,950	10,140,774	138,183
14	\$1,190,711	10,034,580	117,409
15	\$1,777,908	14,254,435	241,386
16	\$1,702,375	11,982,050	382,279
17	\$749,576	6,355,077	70,455
18	\$1,676,357	12,157,041	343,962
19	\$2,009,176	16,641,776	224,439
20	\$1,673,073	13,058,940	259,343
21	\$1,257,643	11,094,276	79,063
22	\$1,134,759	8,935,470	168,802
23	\$1,211,847	9,838,038	153,468
24	\$1,116,946	8,831,339	162,875
25	\$860,319	6,743,485	130,784
26	\$2,762,441	17,367,136	808,590
27	\$1,973,412	14,015,599	431,728
28	\$1,694,831	14,694,570	129,794
29	\$1,268,671	10,170,906	172,312
30	\$1,461,333	10,580,705	301,381
31	\$721,086	5,976,457	80,208
32	\$924,241	7,317,528	133,881
33	\$1,423,191	11,814,528	156,587
Not mapped*	\$2,299,564	\$10,912,647	\$994,516
	\$47,049,417	358,256,596	8,107,548

* *Unknown district*: The impacts for these participants are not mapped either because their address information is not complete or because their address falls out of state boundaries according to the GIS mapping application.

Figure A-11.
Wisconsin Focus on Energy Residential Programs
Implemented Energy Bill Savings by Assembly District



**Table A-11. Residential Programs Energy Impacts
(By Assembly District)**

Assembly District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
1	\$381,725	3,394,338	21,553
2	\$505,202	4,171,710	57,597
3	\$550,089	4,444,574	71,583
4	\$560,282	4,371,836	86,974
5	\$460,536	3,207,348	106,508
6	\$295,846	2,475,592	30,769
7	\$602,847	4,458,240	115,864
8	\$185,603	1,393,344	33,790
9	\$313,069	2,545,278	39,310
10	\$249,294	1,838,404	48,384
11	\$218,888	1,492,788	53,491
12	\$405,580	2,818,324	94,369
13	\$441,584	3,602,603	54,314
14	\$710,213	5,794,716	87,306
15	\$548,484	4,276,409	85,448
16	\$459,401	1,900,770	224,012
17	\$302,993	2,418,138	42,146
18	\$377,625	2,242,699	122,448
19	\$868,079	5,480,768	251,984
20	\$638,205	5,045,682	93,101
21	\$514,136	4,385,513	45,918
22	\$575,899	4,354,995	101,975
23	\$659,119	5,080,634	107,976
24	\$533,268	4,285,766	71,471
25	\$202,018	1,702,618	19,908
26	\$375,638	2,909,596	60,259
27	\$302,236	2,456,652	38,000
28	\$121,344	895,101	23,528
29	\$217,639	1,869,375	18,264
30	\$120,171	1,070,773	6,586
31	\$373,198	3,152,396	36,135
32	\$332,053	2,736,382	38,360
33	\$460,320	3,896,334	43,844
34	\$389,861	3,263,065	40,477
35	\$346,091	2,913,109	34,446
36	\$335,478	2,993,464	18,002
37	\$368,099	3,104,602	36,070
38	\$352,839	2,748,645	55,182
39	\$505,096	4,288,326	46,931
40	\$414,645	3,503,549	40,053
41	\$460,735	3,882,318	45,473
42	\$315,331	2,648,713	31,882
43	\$630,011	5,507,854	44,120
44	\$649,556	4,791,055	125,985
45	\$498,341	3,955,526	71,281
46	\$425,072	2,855,731	107,795

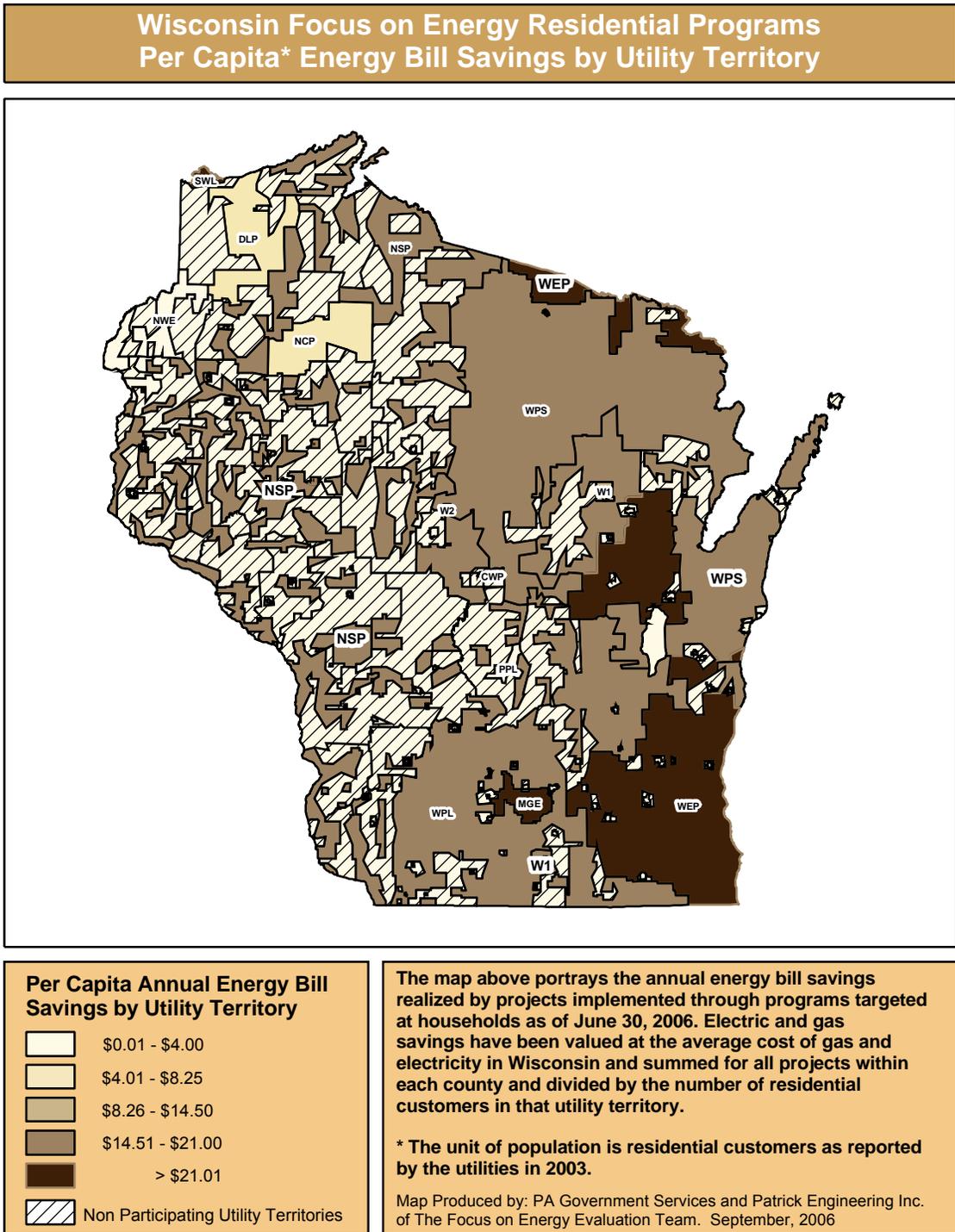
Assembly District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
47	\$480,394	3,961,614	55,245
48	\$796,719	5,162,895	219,239
49	\$192,023	1,619,692	18,804
50	\$190,039	1,603,992	18,516
51	\$367,514	3,131,393	33,136
52	\$654,571	4,789,603	130,443
53	\$541,461	4,114,811	94,042
54	\$480,325	3,252,626	119,477
55	\$474,844	3,901,443	55,912
56	\$890,216	7,298,454	106,254
57	\$644,116	5,441,879	62,273
58	\$662,889	4,938,045	124,159
59	\$532,676	4,067,639	90,740
60	\$477,467	4,052,860	44,445
61	\$422,205	4,094,095	-6,976
62	\$397,186	3,239,503	48,934
63	\$438,252	3,760,678	37,105
64	\$395,822	2,778,835	89,531
65	\$374,477	3,141,385	38,238
66	\$364,460	3,015,251	41,033
67	\$411,530	3,559,722	32,272
68	\$494,125	3,941,789	68,890
69	\$306,192	2,336,528	52,306
70	\$334,708	2,773,256	37,307
71	\$577,270	4,358,761	102,816
72	\$204,969	1,699,323	22,752
73	\$423,030	3,263,111	69,091
74	\$264,550	1,979,791	48,726
75	\$172,740	1,500,582	12,967
76	\$1,001,147	6,020,976	317,810
77	\$721,117	5,096,522	160,028
78	\$1,040,225	6,250,077	330,752
79	\$852,190	5,576,744	229,572
80	\$458,019	3,801,127	50,492
81	\$663,264	4,638,301	151,664
82	\$622,253	5,313,602	55,042
83	\$485,067	4,165,404	40,796
84	\$587,519	5,215,643	33,956
85	\$504,230	3,737,439	96,139
86	\$492,287	4,039,864	58,410
87	\$272,155	2,393,603	17,763
88	\$489,789	3,471,773	107,771
89	\$396,458	3,215,659	50,468
90	\$575,085	3,893,273	143,142
91	\$152,139	1,279,457	15,245
92	\$177,533	1,650,364	3,520
93	\$391,414	3,046,636	61,443
94	\$282,645	2,439,564	22,646
95	\$432,611	3,056,556	96,089

A: Geographic Distribution of Direct Energy Impacts...

Assembly District	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved
96	\$208,984	1,821,408	15,146
97	\$393,962	3,176,489	51,866
98	\$565,873	4,692,740	62,698
99	\$463,380	3,945,522	42,024
Not mapped*	\$2,299,564	10,912,647	994,516
	\$47,049,417	358,256,596	8,107,548

* *Unknown District*: The impacts for these participants is not mapped either because their address information is not complete or because their address falls out of state boundaries according to the GIS mapping application.

Figure A-12.
Wisconsin Focus on Energy Residential Programs
Per Capita Energy Bill Savings by Utility Territory



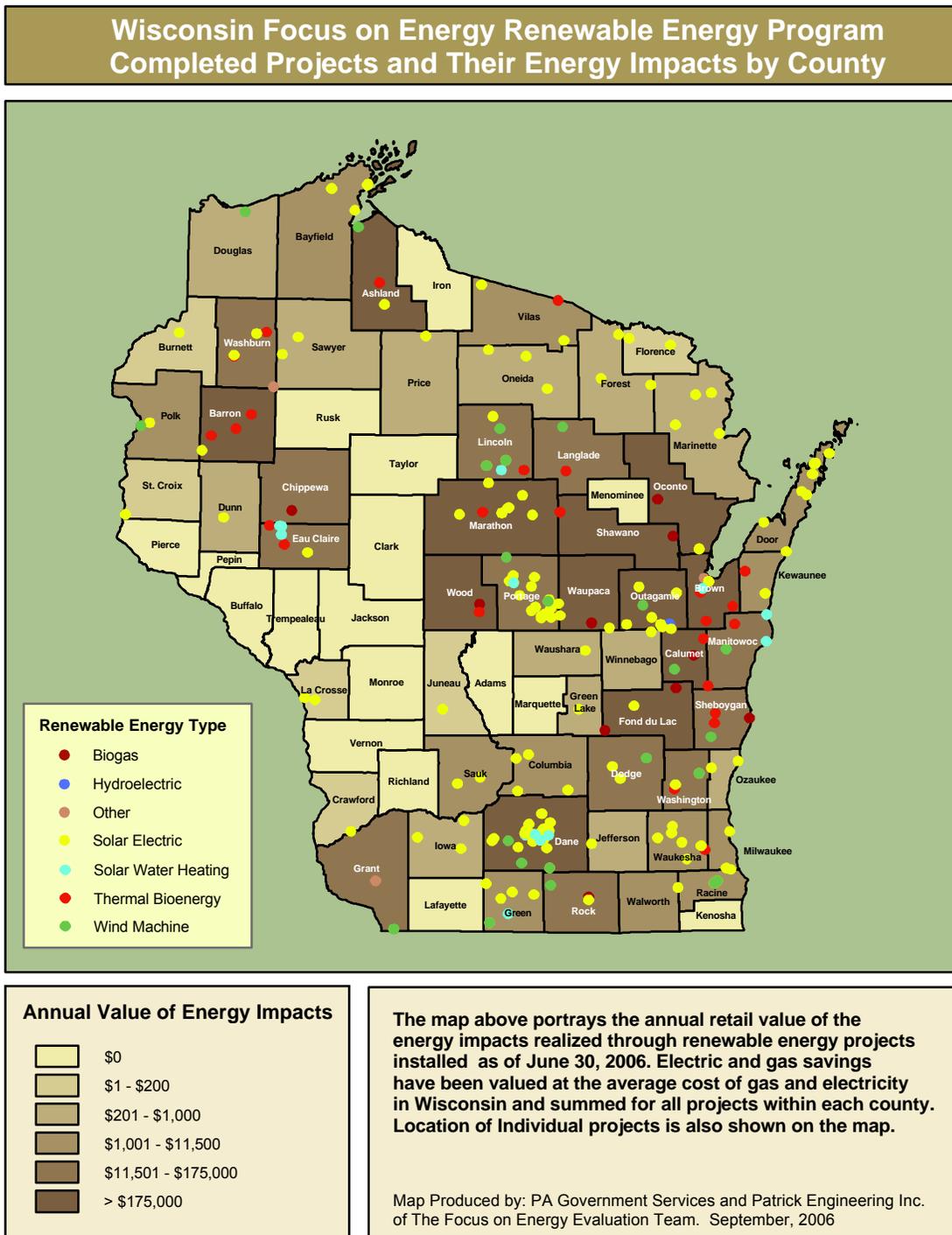
**Table A-12. Residential Programs Energy Impacts
(By Participating Utility)**

Utility	Map Code	Annual Dollars Saved Per Capita	Annual Dollars Saved	Annual kWh Saved	Annual Therms Saved	Number of Customers
Alliant Energy	WPL	\$20.43	\$7,582,773	59,547,549	1,142,645	371,183
Bloomer Electric & Water Co		\$10.92	\$17,389	151,295	1,284	1,593
City of Argyle		\$9.12	\$3,540	30,912	251	388
City of Cornell		\$53.43	\$36,866	242,878	9,784	690
City of Evansville	W1	\$15.88	\$53,785	397,124	10,395	3,388
City of Princeton		\$7.29	\$5,854	52,101	326	803
City of Shullsburg		\$6.56	\$4,017	35,358	260	612
Consolidated Water Power Co	CWP	\$19.66	\$19,478	154,015	2,840	991
Cumberland City of		\$12.00	\$13,623	113,214	1,488	1,135
Dahlberg Light & Power Co	DLP	\$8.18	\$76,270	628,852	8,781	9,322
La Farge Municipal Electric Co		\$2.77	\$1,193	10,101	113	431
Madison Gas & Electric Co	MGE	\$38.25	\$4,383,167	27,725,790	1,267,633	114,590
North Central Power Co Inc	NCP	\$5.05	\$19,970	166,399	2,141	3,957
Northwestern Wisconsin Elec Co	NEW	\$3.94	\$42,775	285,851	10,986	10,846
Pioneer Power & Light Co	PPL	\$3.95	\$7,402	64,631	526	1,876
Spooner City of		\$10.17	\$12,620	95,959	2,187	1,241
Superior Water, Light & Power Co	SWL	\$24.48	\$304,709	2,195,822	63,786	12,447
Village of Benton		\$2.02	\$859	6,608	142	426
Village of Cadott		\$29.58	\$17,865	132,400	3,408	604
Village of Cashton		\$15.33	\$6,835	54,376	967	446
Village of Centuria		\$5.13	\$1,927	5,909	1,127	376
Village of Gresham	w1	\$8.35	\$7,607	68,358	365	911
Village of Pardeeville		\$13.76	\$14,210	126,944	749	1,033
Village of Stratford	W2	\$31.66	\$21,021	179,949	1,819	664
Village of Viola		\$2.88	\$974	6,322	267	338
We Energies	WEP	\$22.01	\$20,492,925	160,471,504	3,129,741	930,873
Wisconsin Public Service Corp	WPS	\$19.51	\$6,973,701	53,532,040	1,162,626	357,397
Wonewoc Electric & Water Util		\$5.52	\$2,653	21,617	329	481
Xcel Energy	NSP	\$15.72	\$2,996,189	23,662,213	439,422	190,632
Not mapped*			\$3,927,220	28,090,508	841,162	
			\$47,049,417	358,256,596	8,107,548	2,019,674

* *Unknown Utility*: The impacts for these participants is not mapped either because their address information is not complete or because their address falls out of the boundaries of participating utility territory according to the GIS mapping application.

A.4 RENEWABLE ENERGY PROGRAM

**Figure A-13.
Wisconsin Focus on Energy Renewable Energy Program
Completed Projects and Their Energy Impacts by County**



**Table A-13. Renewable Programs Energy Impacts
(By County)**

County	Total Dollars
Ashland	318,695
Barron	183,912
Bayfield	1,040
Brown	494,763
Burnett	44
Calumet	202,097
Chippewa	22,317
Columbia	2,505
Crawford	135
Dane	1,432,264
Dodge	17,846
Door	2,311
Douglas	227
Dunn	216
Eau Claire	53,982
Florence	144
Fond du Lac	578,446
Forest	407
Grant	27,512
Green	8,849
Green Lake	671
Iowa	590
Jefferson	254
Juneau	50
Kewaunee	2,040
La Crosse	138
Langlade	18,426
Lincoln	18,497
Manitowoc	12,994

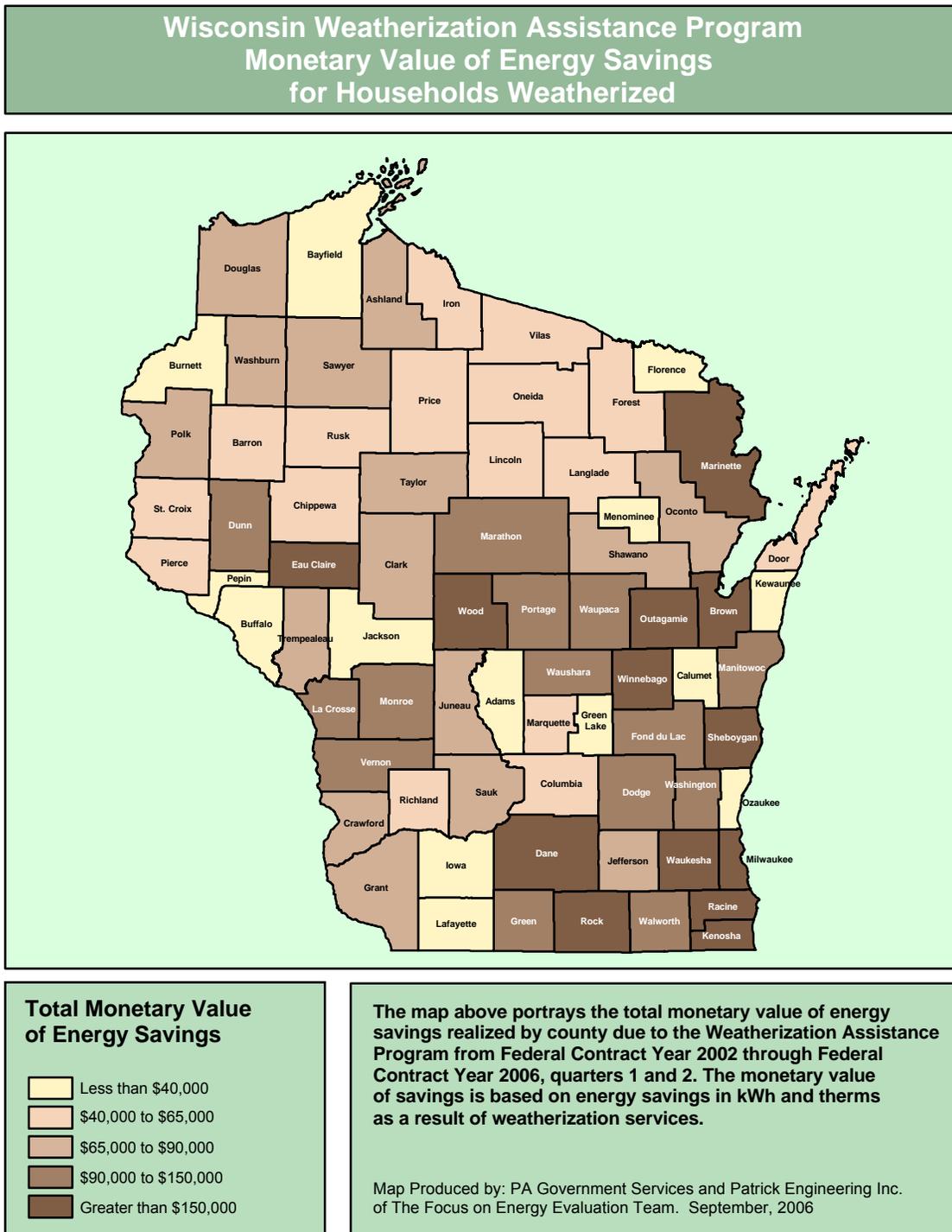
County	Total Dollars
Marathon	321,949
Marinette	879
Milwaukee	1,672
Oconto	212,064
Oneida	458
Outagamie	685,603
Ozaukee	783
Polk	4,618
Portage	12,335
Price	262
Racine	4,384
Rock	30,706
Sauk	1,447
Sawyer	242
Shawano	557,906
Sheboygan	82,869
St. Croix	84
Vilas	7,475
Walworth	1,555
Washburn	40,127
Washington	11,564
Waukesha	7,903
Waupaca	178,611
Waushara	391
Winnebago	376
Wood	1,293,212
TOTAL	5,319,635

APPENDIX B: GEOGRAPHIC DISTRIBUTION OF LOW-INCOME BENEFITS

The following appendix provides four maps showing geographic distribution of Low-income Program benefits. The maps include:

- Figure B-1. Wisconsin Weatherization Assistance Program, Monetary Value of Energy Savings for Households Weatherized.
- Figure B-2. Wisconsin Weatherization Assistance Program, Total Cost of Weatherization Services.
- Figure B-3. Wisconsin Home Energy Assistance Program, Total Heating and Crisis Assistance Benefits Paid to Households Federal Fiscal Year 2005 to June 30, 2006.
- Figure B-4. Wisconsin Home Energy Assistance Program, Percentage of Eligible Households Participating by County in Federal Fiscal Year 2005 to June 30, 2006.

Figure B-1.
Wisconsin Weatherization Assistance Program
Monetary Value of Energy Savings
for Households Weatherized

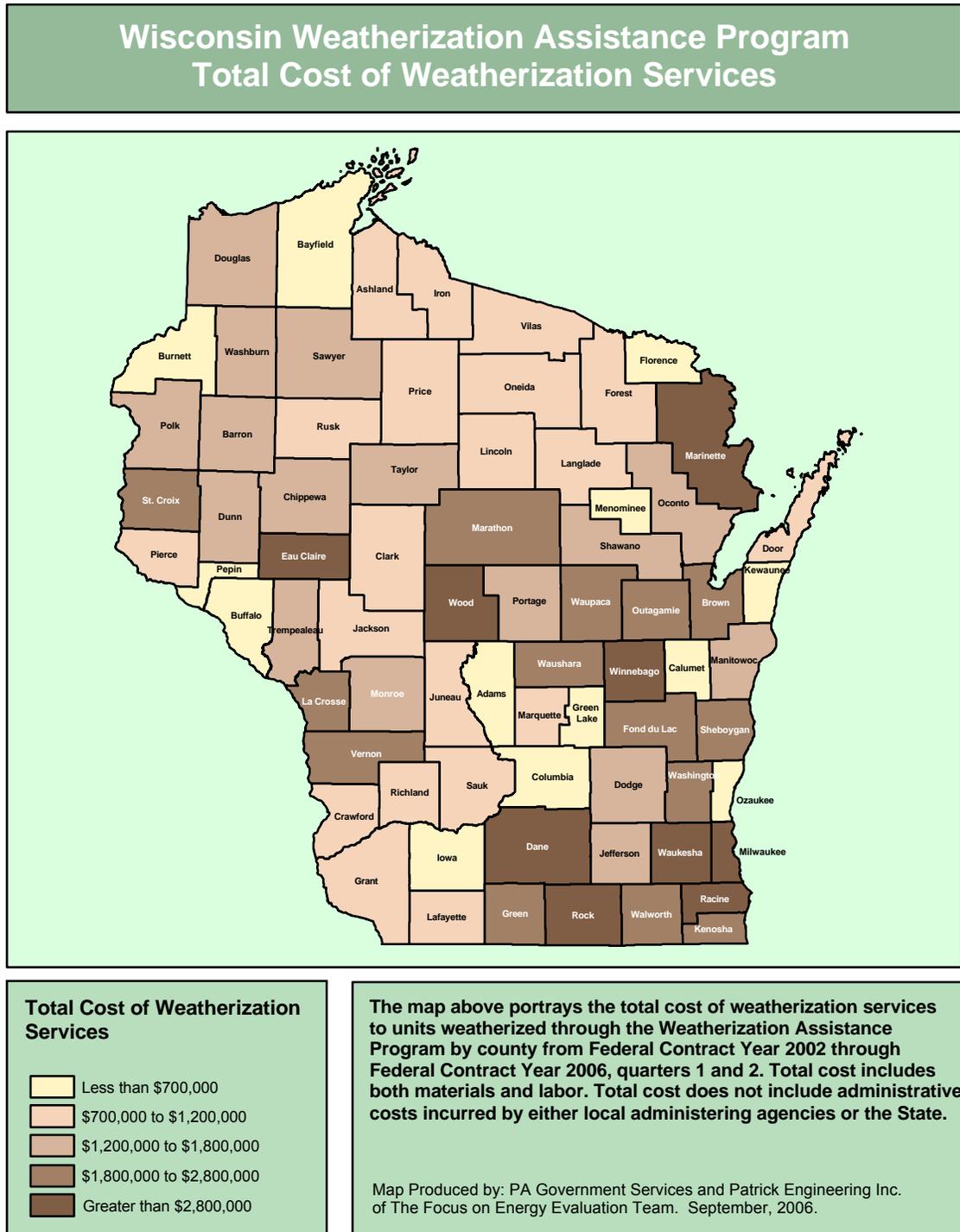


**Table B-1. Wisconsin Weatherization Assistance Program
Total Monetary Value* of Energy Savings for Households Weatherized**

County	Savings in dollars	County	Savings in dollars
Adams	30,870	Marinette	191,010
Ashland	72,450	Marquette	40,683
Barron	61,957	Menominee	32,794
Bayfield	26,969	Milwaukee	1,378,086
Brown	173,838	Monroe	92,285
Buffalo	21,884	Oconto	88,555
Burnett	25,379	Oneida	60,932
Calumet	30,811	Outagamie	152,280
Chippewa	63,100	Ozaukee	34,207
Clark	68,556	Pepin	30,056
Columbia	46,917	Pierce	44,508
Crawford	68,036	Polk	83,210
Dane	431,205	Portage	97,070
Dodge	91,167	Price	42,036
Door	56,499	Racine	281,675
Douglas	83,975	Richland	63,672
Dunn	91,984	Rock	299,951
Eau Claire	151,950	Rusk	59,083
Florence	19,535	Sauk	82,398
Fond du Lac	91,151	Sawyer	69,313
Forest	59,264	Shawano	86,453
Grant	68,105	Sheboygan	185,415
Green	110,202	St. Croix	57,522
Green Lake	31,231	Taylor	67,108
Iowa	35,212	Trempealeau	77,098
Iron	44,171	Vernon	100,388
Jackson	32,948	Vilas	56,004
Jefferson	78,916	Walworth	116,507
Juneau	76,082	Washburn	72,331
Kenosha	166,077	Washington	125,671
Kewaunee	35,972	Waukesha	236,627
La Crosse	132,351	Waupaca	148,524
Lafayette	34,198	Waushara	113,769
Langlade	51,884	Winnebago	331,802
Lincoln	59,445	Wood	471,103
Manitowoc	110,443		
Marathon	103,789		

* Program-to-date Savings: Federal Fiscal Year 2002 through June 30, 2006).

Figure B-2.
Wisconsin Weatherization Assistance Program
Total Cost of Weatherization Services



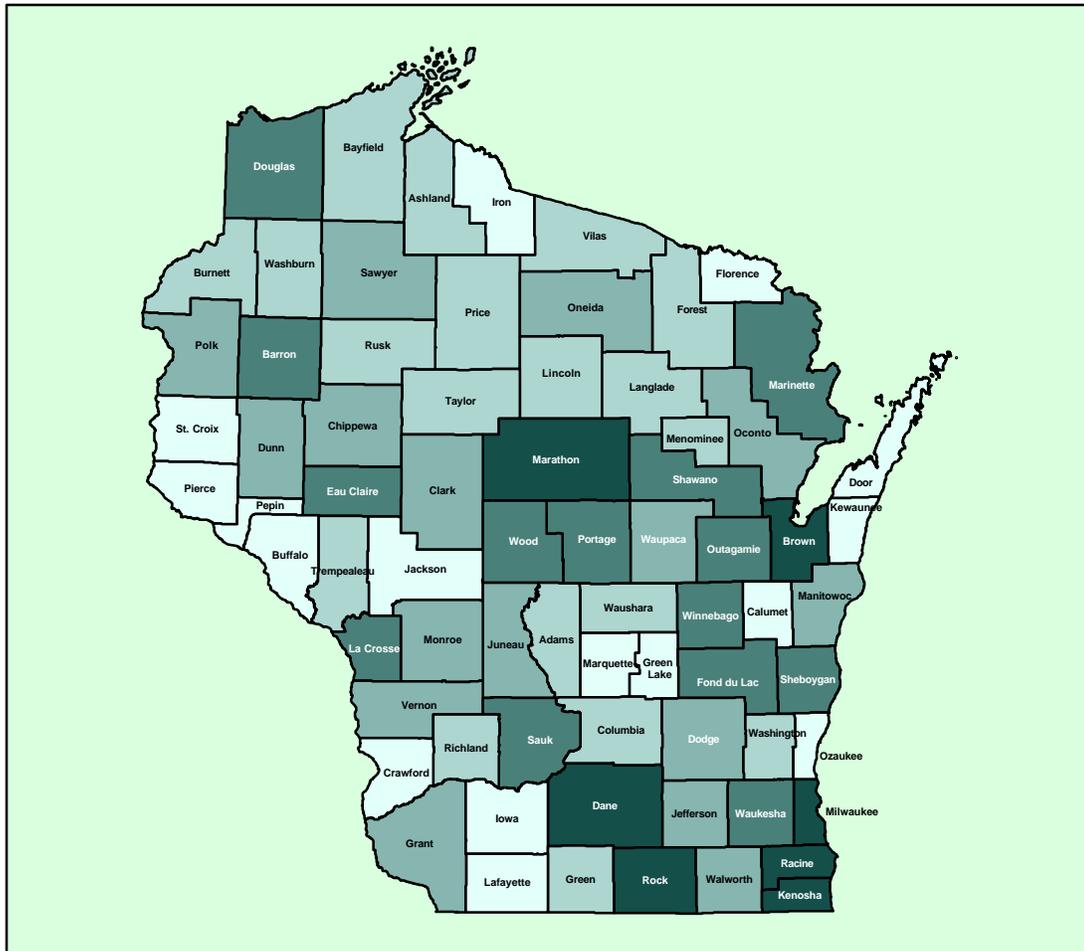
**Table B-2. Wisconsin Weatherization Assistance Program
Total Cost* of Weatherization Services**

County	Cost in dollars	County	Cost in dollars
Adams	522,914	Marinette	3,558,969
Ashland	1,037,376	Marquette	718,213
Barron	1,222,934	Menominee	643,028
Bayfield	410,218	Milwaukee	22,538,790
Brown	2,798,951	Monroe	1,553,943
Buffalo	414,997	Oconto	1,618,269
Burnett	450,727	Oneida	1,066,053
Calumet	595,760	Outagamie	2,728,593
Chippewa	1,370,634	Ozaukee	622,022
Clark	1,179,164	Pepin	666,140
Columbia	678,858	Pierce	1,045,746
Crawford	1,150,981	Polk	1,613,106
Dane	6,876,870	Portage	1,792,942
Dodge	1,502,530	Price	884,482
Door	919,965	Racine	4,339,816
Douglas	1,547,877	Richland	1,194,166
Dunn	1,782,393	Rock	4,439,177
Eau Claire	2,935,334	Rusk	1,186,325
Florence	363,027	Sauk	1,164,571
Fond du Lac	1,951,258	Sawyer	1,449,665
Forest	1,144,387	Shawano	1,327,656
Grant	1,148,897	Sheboygan	2,661,933
Green	2,154,352	St. Croix	1,969,479
Green Lake	569,608	Taylor	1,683,239
Iowa	623,322	Trempealeau	1,726,757
Iron	707,743	Vernon	1,822,510
Jackson	787,017	Vilas	1,194,730
Jefferson	1,497,443	Walworth	2,098,433
Juneau	1,099,591	Washburn	1,531,097
Kenosha	2,480,987	Washington	2,443,717
Kewaunee	680,687	Waukesha	4,633,162
La Crosse	2,248,129	Waupaca	2,509,320
Lafayette	742,112	Waushara	2,218,171
Langlade	982,022	Winnebago	5,550,100
Lincoln	1,162,673	Wood	12,085,849
Manitowoc	1,766,579		
Marathon	1,987,096		

* Program-to-date Cost, by County: Federal Fiscal Year 2002 through December 31, 2006

Figure B-3.
Wisconsin Home Energy Assistance Program
Total Heating and Crisis Assistance Benefits Paid to Households
Federal Fiscal Year 2006 to June 30, 2006

Wisconsin Home Energy Assistance Program
Total Heating and Crisis Assistance Benefits Paid to Households
in Federal Fiscal Year 2006 through June 28, 2006



Total Benefits Paid

	Less than \$350,000
	\$350,000 to \$600,000
	\$600,000 to \$900,000
	\$900,000 to \$2,000,000
	over \$2,000,000

The map above portrays the total amount of benefits paid to households through the Wisconsin Home Energy Assistance Program in Federal Fiscal Year 2006 through 6/28/06. Total benefits includes funds distributed for both heating assistance and crisis assistance (including furnace repairs and replacements) components of WHEAP. Total benefit does not include administrative costs incurred by either local administering agencies or the State. Data obtained through the Department of Administration.

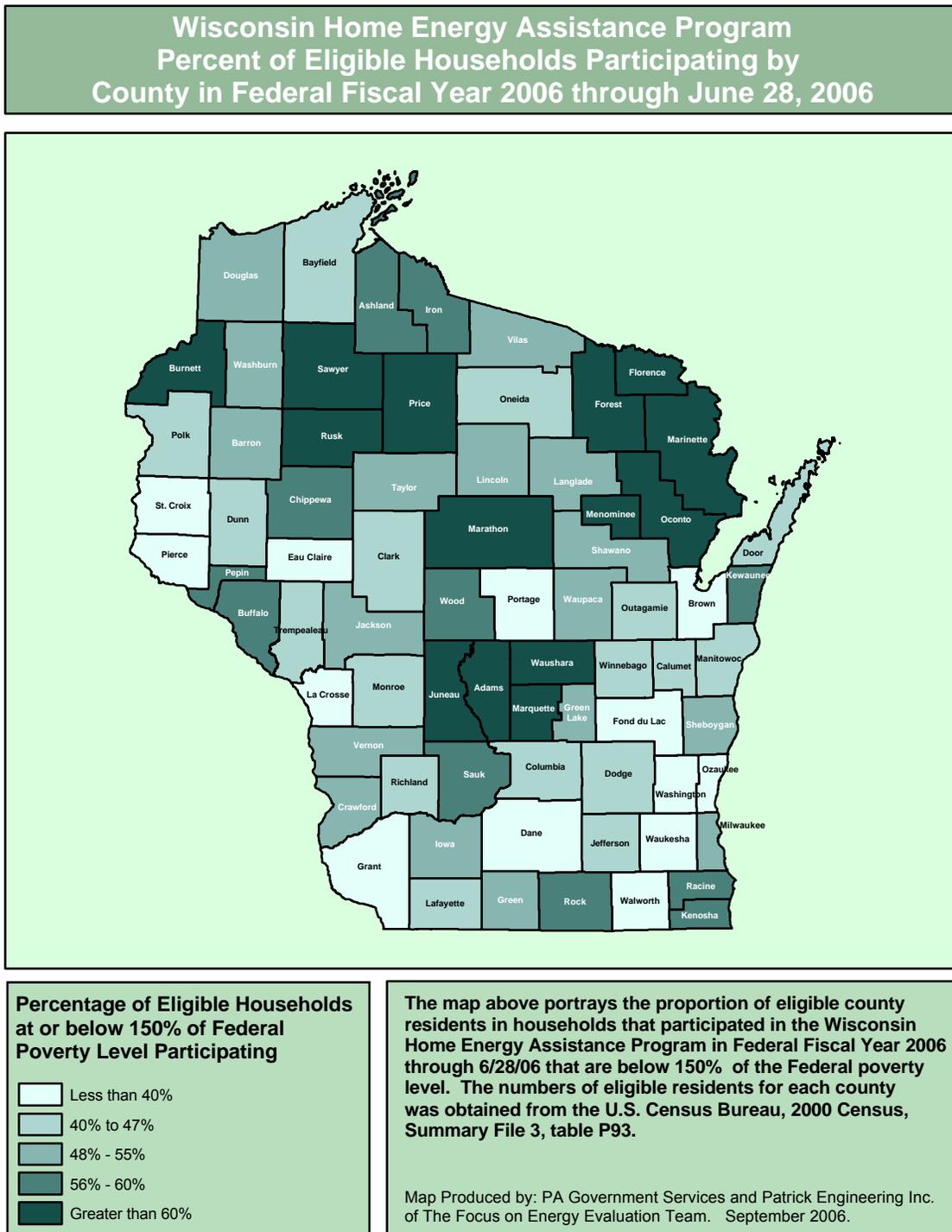
Map Produced by: PA Government Services and Patrick Engineering Inc. of The Focus on Energy Evaluation Team. September, 2006.

**Table B-3. Wisconsin Home Energy Assistance Program
Total Heating and Crisis Assistance Benefits Paid to Households
in Federal Fiscal Year 2006 (June 30, 2006)**

County	Total benefits
Adams	\$561,762
Ashland	\$574,173
Barron	\$950,349
Bayfield	\$390,103
Brown	\$2,493,098
Buffalo	\$281,735
Burnett	\$455,159
Calumet	\$288,998
Chippewa	\$890,054
Clark	\$715,426
Columbia	\$598,002
Crawford	\$349,724
Dane	\$2,783,050
Dodge	\$838,481
Door	\$312,960
Douglas	\$1,139,169
Dunn	\$828,487
Eau Claire	\$1,241,569
Florence	\$179,301
Fond du Lac	\$939,051
Forest	\$489,806
Grant	\$628,473
Green	\$453,702
Green Lake	\$323,391
Iowa	\$317,377
Iron	\$221,110
Jackson	\$315,553
Jefferson	\$623,567
Juneau	\$745,484
Kenosha	\$2,572,031
Kewaunee	\$326,551
La Crosse	\$1,420,559
Lafayette	\$270,915
Langlade	\$560,415
Lincoln	\$479,310
Manitowoc	\$658,732
Marathon	\$2,586,611

County	Total benefits
Marinette	\$1,449,761
Marquette	\$335,608
Menominee	\$445,520
Milwaukee	\$33,109,914
Monroe	\$772,264
Oconto	\$792,712
Oneida	\$685,767
Outagamie	\$1,326,565
Ozaukee	\$287,360
Pepin	\$135,340
Pierce	\$267,926
Polk	\$747,061
Portage	\$986,025
Price	\$465,664
Racine	\$3,143,395
Richland	\$368,567
Rock	\$2,573,892
Rusk	\$535,642
Sauk	\$1,039,982
Sawyer	\$873,849
Shawano	\$967,016
Sheboygan	\$1,138,240
St. Croix	\$329,678
Taylor	\$352,857
Trempealeau	\$355,655
Vernon	\$602,807
Vilas	\$566,987
Walworth	\$889,216
Washburn	\$421,477
Washington	\$596,033
Waukesha	\$1,627,731
Waupaca	\$868,777
Waushara	\$599,756
Winnebago	\$1,755,780
Wood	\$1,136,711

Figure B-4.
Wisconsin Home Energy Assistance Program
Percent of Eligible Households Participating by County
in Federal Fiscal Year 2006 to June 30, 2006



**Table B-4. Wisconsin Home Energy Assistance Program
Percentage of Eligible Households Participating by County
in Federal Fiscal Year 2006 to June 30, 2006**

County	Percent of Eligible Households Served
Adams	67%
Ashland	59%
Barron	52%
Bayfield	46%
Brown	38%
Buffalo	60%
Burnett	61%
Calumet	46%
Chippewa	56%
Clark	45%
Columbia	42%
Crawford	53%
Dane	24%
Dodge	44%
Door	40%
Douglas	52%
Dunn	46%
Eau Claire	39%
Florence	61%
Fond du Lac	38%
Forest	68%
Grant	32%
Green	54%
Green Lake	49%
Iowa	49%
Iron	59%
Jackson	51%
Jefferson	41%
Juneau	68%
Kenosha	56%
Kewaunee	57%
La Crosse	39%
Lafayette	44%
Langlade	53%
Lincoln	48%
Manitowoc	46%
Marathon	61%

County	Percent of Eligible Households Served
Marinette	69%
Marquette	62%
Menominee	98%
Milwaukee	54%
Monroe	46%
Oconto	62%
Oneida	47%
Outagamie	43%
Ozaukee	35%
Pepin	57%
Pierce	32%
Polk	45%
Portage	39%
Price	63%
Racine	56%
Richland	42%
Rock	57%
Rusk	60%
Sauk	57%
Sawyer	75%
Shawano	54%
Sheboygan	50%
St. Croix	30%
Taylor	49%
Trempealeau	45%
Vernon	51%
Vilas	54%
Walworth	28%
Washburn	53%
Washington	36%
Waukesha	36%
Waupaca	54%
Waushara	66%
Winnebago	41%
Wood	56%

APPENDIX C: RESIDENTIAL DEFAULT SAVINGS VALUES USED FOR FY06

The following table lists default/deemed energy savings by measure (used for FY06) for the Residential Programs, as of June 30, 2006.

Table C-1. Residential Programs: Default/Deemed Energy Savings By Measure (as of June 30, 2006)

Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
ACES	CSG In Unit Exchange	Candelabra Base	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG In Unit Exchange	Compact Fluorescent Lightbulb	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG In Unit Exchange	Screw Base Compact Fluorescents	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG In Unit Exchange	Water	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	13W TCP Bug Light	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	4ft 1 lamp strip fixture with lamps	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	9W TCP Bug Light	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Candelabra Base	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Ceiling Surface	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Common Area T-8	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Common Area T-8 Cloud Fixture	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Common Area T-8 with Occupancy Sensor	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Common Area T-8 Wrap Fixture	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Common Area U-Tube	FY06	1	1	1	1	1	1	1	1	1	2

Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
ACES	CSG Lighting	Compact Fluorescent Reflector Bulb	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Exit Light Retrofit Kit	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Flood Light 20w dimmable R30	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Floor Lamp	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Garage Lights	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	High Pressure Sodium	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Kitchen T5 Fixture	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	LED Exit Fixture	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	LED Exit Light Fixture	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	LED Exit Light Fixture w Battery Backup	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	LED Exit Light Fixture with Battery Backup Only	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	LED GREEN Exit Light Fixture with Batter Back up O	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	LED GREEN Exit Light Fixture with Emergency Lights	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Motion Sensor-Ivory	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Outdoor	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Outdoor Post Lantern	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Outdoor Reflector Bulb	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Outdoor Wall Lantern	FY06	1	1	1	1	1	1	1	1	1	2

Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
ACES	CSG Lighting	Sconce with Olde Iron Finish	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Sconces	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Screw Base Compact Fluorescents	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Table Lamp	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	TCP 14W Candelabra Base	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	TCP Floodlights	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Timer	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	Torchiere	FY06	349	0.01	0	349	0.01	0	349	0.01	0	1
ACES	CSG Lighting	Vanity Fixture	FY06	1	1	1	1	1	1	1	1	1	2
ACES	CSG Lighting	White Traditional Dome	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	Air Conditioning	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	Appliances	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	Bonus	FY06	1	1	1	0	0	0	0	0	0	2
ACES	New Construction	Building Shell	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	DHW - Central	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	DHW - Individual	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	Heating	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	Heating & Cooling	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	Heating & DHW	FY06	1	1	1	1	1	1	1	1	1	2
ACES	New Construction	Lighting	FY06	1	1	1	1	1	1	1	1	1	2

Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
ACES	New Construction	Ventilation	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Air Conditioning	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Appliances	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Building Shell	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Heating	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Heating & DHW	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Lighting	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Ventilation	FY06	1	1	1	1	1	1	1	1	1	2
ACES	Whole Building Existing	Water Heating-Central	FY06	1	1	1	1	1	1	1	1	1	2
EHCI	EHCI	>=90% modulating hot water	FY06	0	0	98	0	0	98	0	0	98	1
EHCI	EHCI	>=90% non-modulating hot water	FY06	0	0	98	0	0	98	0	0	98	1
EHCI	EHCI	90% AFUE or greater Boiler-New Construction	FY06	0	0	98	0	0	98	0	0	98	1
EHCI	EHCI	90% AFUE or greater Hot Water Boiler	FY06	0	0	98	0	0	98	0	0	98	1
EHCI	EHCI	90+ AFUE with ECM	FY06	773	0.1	20	773	0.1	20	618	0.08	16	1
EHCI	EHCI	90+ AFUE with ECM New Construction	FY06	1126	0.1	20	1126	0.1	20	1126	0.1	20	1
EHCI	EHCI	A/C Value Added Installation	FY06	1	1	1	0	0	0	0	0	0	2

C: Residential Default Savings Values Used for FY06...



Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
EHCI	EHCI	Adjustment	FY06	1	1	1	0	0	0	0	0	0	2
EHCI	EHCI	SEER 12	FY06 (Jan-Jun)	0	0	0	0	0	0	0	0	0	1
EHCI	EHCI	SEER 12	FY06 (Jul-Dec)	250	0.6	0	250	0.6	0	0	0	0	1
EHCI	EHCI	SEER 12-New Construction	FY06 (Jan-Jun)	0	0	0	0	0	0	0	0	0	1
EHCI	EHCI	SEER 12-New Construction	FY06 (Jul-Dec)	250	0.6	0	250	0.6	0	250	0.6	0	1
EHCI	EHCI	SEER 13	FY06 (Jan-Jun)	0	0	0	0	0	0	0	0	0	1
EHCI	EHCI	SEER 13	FY06 (Jul-Dec)	346	0.83	0	346	0.83	0	443	1.06	0	1
EHCI	EHCI	SEER 13 <65 MBh	FY06 (Jul-Dec)	346	0.83	0	346	0.83	0	443	1.06	0	1
EHCI	EHCI	SEER 13-New Construction	FY06 (Jan-Jun)	0	0	0	0	0	0	0	0	0	1
EHCI	EHCI	SEER 13-New Construction	FY06 (Jul-Dec)	346	0.83	0	346	0.83	0	346	0.83	0	1
EHCI	EHCI	SEER 14 or greater	FY06 (Jan-Jun)	82	0.2	0	82	0.2	0	82	0.2	0	1
EHCI	EHCI	SEER 14 or greater	FY06 (Jul-Dec)	429	1.03	0	429	1.03	0	549	1.32	0	1
EHCI	EHCI	SEER 14 or greater <65 MBh	FY06 (Jul-Dec)	429	1.03	0	429	1.03	0	549	1.32	0	1
EHCI	EHCI	SEER 14 or greater-New Construction	FY06 (Jan-Jun)	82	0.2	0	82	0.2	0	82	0.2	0	1
EHCI	EHCI	SEER 14 or greater-New Construction	FY06 (Jul-Dec)	429	1.03	0	429	1.03	0	429	1.03	0	1
EHCI	EHCI	SEER 15	FY06 (Jan-Jun)	154	0.37	0	154	0.37	0	154	0.37	0	1
EHCI	EHCI	SEER 15	FY06 (Jul-Dec)	500	1.2	0	500	1.2	0	640	1.54	0	1

C: Residential Default Savings Values Used for FY06...



Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
EHCI	EHCI	SEER 15-New Construction	FY06 (Jan-Jun)	154	0.37	0	154	0.37	0	154	0.37	0	1
EHCI	EHCI	SEER 15-New Construction	FY06 (Jul-Dec)	500	1.2	0	500	1.2	0	500	1.2	0	1
EHCI	EHCI	SEER 16	FY06 (Jan-Jun)	216	0.52	0	216	0.52	0	216	0.52	0	1
EHCI	EHCI	SEER 16	FY06 (Jul-Dec)	563	1.35	0	563	1.35	0	721	1.73	0	1
EHCI	EHCI	SEER 16-New Construction	FY06 (Jan-Jun)	216	0.52	0	216	0.52	0	216	0.52	0	1
EHCI	EHCI	SEER 16-New Construction	FY06 (Jul-Dec)	563	1.35	0	563	1.35	0	563	1.35	0	1
EHCI	EHCI	SEER 17	FY06 (Jan-Jun)	271	0.65	0	271	0.65	0	271	0.65	0	1
EHCI	EHCI	SEER 17	FY06 (Jul-Dec)	618	1.48	0	618	1.48	0	791	1.89	0	1
EHCI	EHCI	SEER 18	FY06 (Jan-Jun)	321	0.77	0	321	0.77	0	321	0.77	0	1
EHCI	EHCI	SEER 18	FY06 (Jul-Dec)	667	1.6	0	667	1.6	0	854	2.05	0	1
EHCI	EHCI	SEER 18-New Construction	FY06 (Jul-Dec)	667	1.6	0	667	1.6	0	667	1.6	0	1
EHCI	EHCI	SEER 19	FY06 (Jan-Jun)	364	0.87	0	364	0.87	0	364	0.87	0	1
EHCI	EHCI	SEER 19	FY06 (Jul-Dec)	711	1.71	0	711	1.71	0	910	2.19	0	1
EHCI	EHCI	SEER 19-New Construction	FY06 (Jul-Dec)	711	1.71	0	711	1.71	0	711	1.71	0	1
EHCI	EHCI	SEER 20	FY06 (Jan-Jun)	404	0.97	0	404	0.97	0	404	0.97	0	1
EHCI	EHCI	SEER 20	FY06 (Jul-Dec)	750	1.8	0	750	1.8	0	960	2.3	0	1
EHCI	EHCI	Tested to 13 Seer	FY06	96	0.23	0	96	0.23	0	96	0.23	0	1
ENERGY STAR Products	Reward	Ceiling Fan	FY06	175	0	0	175	0	0	175	0	0	1

Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
ENERGY STAR Products	Reward	CFL	FY06-Inst	51.1	0.004	0	38.4	0.0027	0	38.4	0.0027	0	1
ENERGY STAR Products	Reward	CFL	FY06-Mail	51.1	0.004	0	43.5	0.0031	0	43.5	0.0031	0	1
ENERGY STAR Products	Reward	CFL-MF	FY06	173	0.005	0	131	0.004	0	131	0.004	0	1
ENERGY STAR Products	Reward	Clothes Washers	FY06	266	0	22	242	0	8	182	0	6	1
ENERGY STAR Products	Reward	Dehumidifier	FY06	50	0.05	0	50	0.05	0	50	0.05	0	1
ENERGY STAR Products	Reward	Dishwashers	FY06	90	0	5	90	0	5	90	0	5	1
ENERGY STAR Products	Reward	Freezers	FY06	42	0	0	42	0	0	42	0	0	1
ENERGY STAR Products	Reward	Lighting Fixtures	FY06	104	0.004	0	104	0.004	0	104	0.004	0	1
ENERGY STAR Products	Reward	Lighting Fixtures - LED	FY06	40.1	0	0	40.1	0	0	40.1	0	0	1
ENERGY STAR Products	Reward	Lighting Fixtures - Torchiere	FY06	349	0.01	0	349	0.01	0	349	0.01	0	1
ENERGY STAR Products	Reward	Refrigerators	FY06	66	0.01	0	66	0.01	0	66	0.01	0	1
ENERGY STAR Products	Reward	RoomAC	FY06	33	0.11	0	33	0.11	0	33	0.11	0	1

C: Residential Default Savings Values Used for FY06...



Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
ENERGY STAR Products	Spiffs	CFL	FY06	66	0.002	0	66	0.002	0	66	0.002	0	1
ENERGY STAR Products	Spiffs	Clothes Washer	FY06	266	0	22	242	0	8	182	0	6	1
ENERGY STAR Products	Spiffs	Dehumidifier	FY06	50	0.05	0	50	0.05	0	50	0.05	0	1
ENERGY STAR Products	Spiffs	Dishwasher	FY06	90	0	5	90	0	5	90	0	5	1
ENERGY STAR Products	Spiffs	Refrigerator	FY06	66	0.01	0	66	0.01	0	66	0.01	0	1
Home Performance	EHCI	90 AFUE or more	FY06	0	0	98	0	0	98	0	0	98	1
Home Performance	EHCI	Water Heater - Fuel Switch	FY06	3680	0.3	-195	3680	0.3	-195	3680	0.3	-195	1
Home Performance	Renewable Energy	SDHW System	FY06	0	0	312	0	0	312	0	0	312	1
Home Performance	Renewable Energy	Solar Water Heating	FY06	1	1	1	1	1	1	1	1	1	2
Home Performance	Whole House	Air Sealing - per 100 CFM	FY06	0	0	1	0	0	1	0	0	1	1
Home Performance	Whole House	Attic Insulation	FY06	328	0.15	121	160	0.118	100	136	0.1	85	1
Home Performance	Whole House	Chimney Liner	FY06	0	0	81	0	0	81	0	0	81	1
Home Performance	Whole House	Exterior Foundation Insulation	FY06	204	0	89	59	0	49	51	0	41	1
Home Performance	Whole House	Floor Insulation	FY06	259	0.118	96	126	0.093	79	107	0.079	67	1
Home Performance	Whole House	Foam Sidewall (AGW) Insulation 1"	FY06	207	0.094	76	60	0.049	41	51	0.042	35	1

C: Residential Default Savings Values Used for FY06...



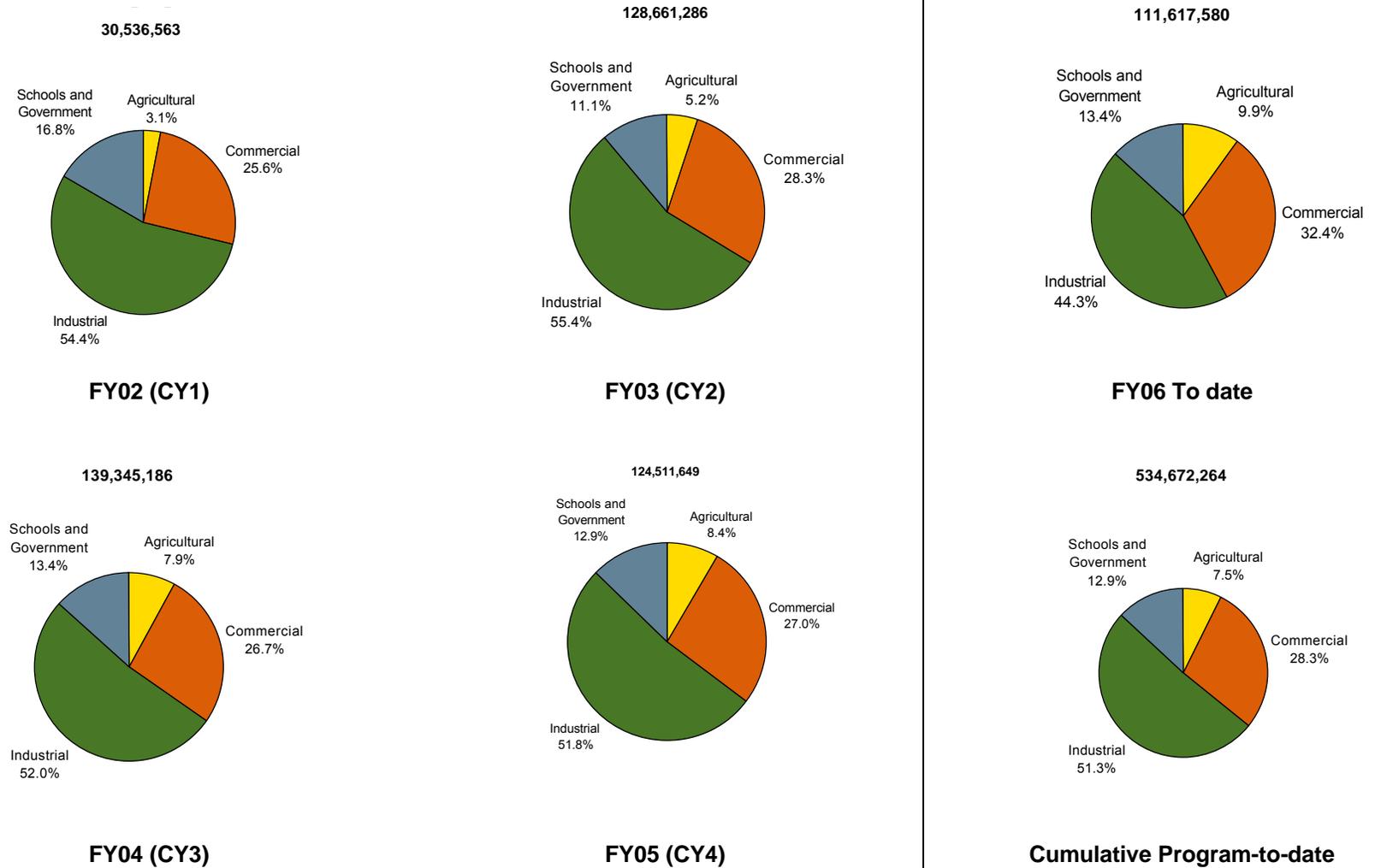
Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
Home Performance	Whole House	Foam Sidewall (AGW) Insulation 1/2"	FY06	122	0.056	45	36	0.029	25	30	0.025	21	1
Home Performance	Whole House	High Pressure Sodium Lighting	FY06	173	0	0	173	0	0	173	0	0	1
Home Performance	Whole House	Interior Foundation Insulation	FY06	590	0	257	172	0	140	146	0	119	1
Home Performance	Whole House	Sidewall Insulation	FY06	1113	0.507	411	326	0.264	225	277	0.224	191	1
Home Performance	Whole House	Sill Box Insulation	FY06	110	0	48	53	0	39	45	0	33	1
Home Performance	Whole House	Water Heater - Poor Draft	FY06	0	0	114	0	0	114	0	0	114	1
Targeted Home Performance	Existing Homes	Heating Equipment	FY06	1	1	1	0	0	0	0	0	0	2
Targeted Home Performance	Existing Homes	House	FY06	1192	0.19	295	1192	0.19	295	1192	0.19	295	1
Targeted Home Performance	Existing Homes	Thermostat	FY06	1	1	1	0	0	0	0	0	0	2
Targeted Home Performance	Existing Homes	Water Heater	FY06	1	1	1	0	0	0	0	0	0	2
WESH	EHCI	>=90% modulating hot water	FY06	0	0	98	0	0	98	0	0	98	1
WESH	EHCI	14 SEER	FY06 (Jan-Jun)	82	0.2	0	82	0.2	0	82	0.2	0	1
WESH	EHCI	14 SEER	FY06 (Jul-Dec)	429	1.03	0	429	1.03	0	429	1.03	0	1
WESH	EHCI	15 SEER	FY06 (Jan-Jun)	154	0.37	0	154	0.37	0	154	0.37	0	1
WESH	EHCI	16 SEER	FY06 (Jan-Jun)	216	0.52	0	216	0.52	0	216	0.52	0	1
WESH	EHCI	17 SEER	FY06 (Jan-Jun)	271	0.65	0	271	0.65	0	271	0.65	0	1

Program	Sub Program	Measure Type	Period	Gross			Verified			Net			Evaluation Type
				kWh	kW	Therms	kWh	kW	Therms	kWh	kW	Therms	
WESH	EHCI	90+ AFUE with ECM	FY06	773	0.1	20	773	0.1	20	773	0.1	20	1
WESH	New Construction	12 SEER	FY06 (Jan-Jun)	0	0	0	0	0	0	0	0	0	1
WESH	New Construction	12 SEER	FY06 (Jul-Dec)	250	0.6	0	250	0.6	0	250	0.6	0	1
WESH	New Construction	13 SEER	FY06 (Jan-Jun)	0	0	0	0	0	0	0	0	0	1
WESH	New Construction	90+ AFUE with ECM	FY06	773	0.1	20	773	0.1	20	773	0.1	20	1
WESH	New Construction	Ceiling Fan	FY06	175	0	0	175	0	0	175	0	0	1
WESH	New Construction	Clothes Washer	FY06	76	0	29	230	0	9	173	0	7	1
WESH	New Construction	Compact Fluorescent Bulbs	FY06	66	0.002	0	66	0.002	0	66	0.002	0	1
WESH	New Construction	Dishwasher	FY06	42	0	7	42	0	7	42	0	7	1
WESH	New Construction	Gas Stub-Clothes Dryer	FY06	900	0	-31	900	0	-31	900	0	-31	1
WESH	New Construction	Light Fixtures (INDOOR ENERGY STAR)	FY06	104	0.004	0	104	0.004	0	104	0.004	0	1
WESH	New Construction	Refrigerator	FY06	66	0.01	0	66	0.01	0	66	0.01	0	1
WESH	New Construction	WESH Home Status	FY06	0	0	100	0	0	100	0	0	100	1
WESH	Renewable Energy	Solar Water Heating	FY06	1	1	1	1	1	1	1	1	1	2

* Evaluation Type 1 = Deemed Savings. Evaluation Type 2 = Calculated Savings.

APPENDIX D: BUSINESS PROGRAMS—TRACKED ENERGY SAVINGS

Figure D-1. Business Programs: Tracked Energy Savings (kWh) Annual and Program-to-date, by Sector (Verified Gross Savings)



D-1

Figure D-2. Business Programs: Tracked Energy Savings (kW) Annual and Program-to-date, by Sector (Verified Gross Savings)

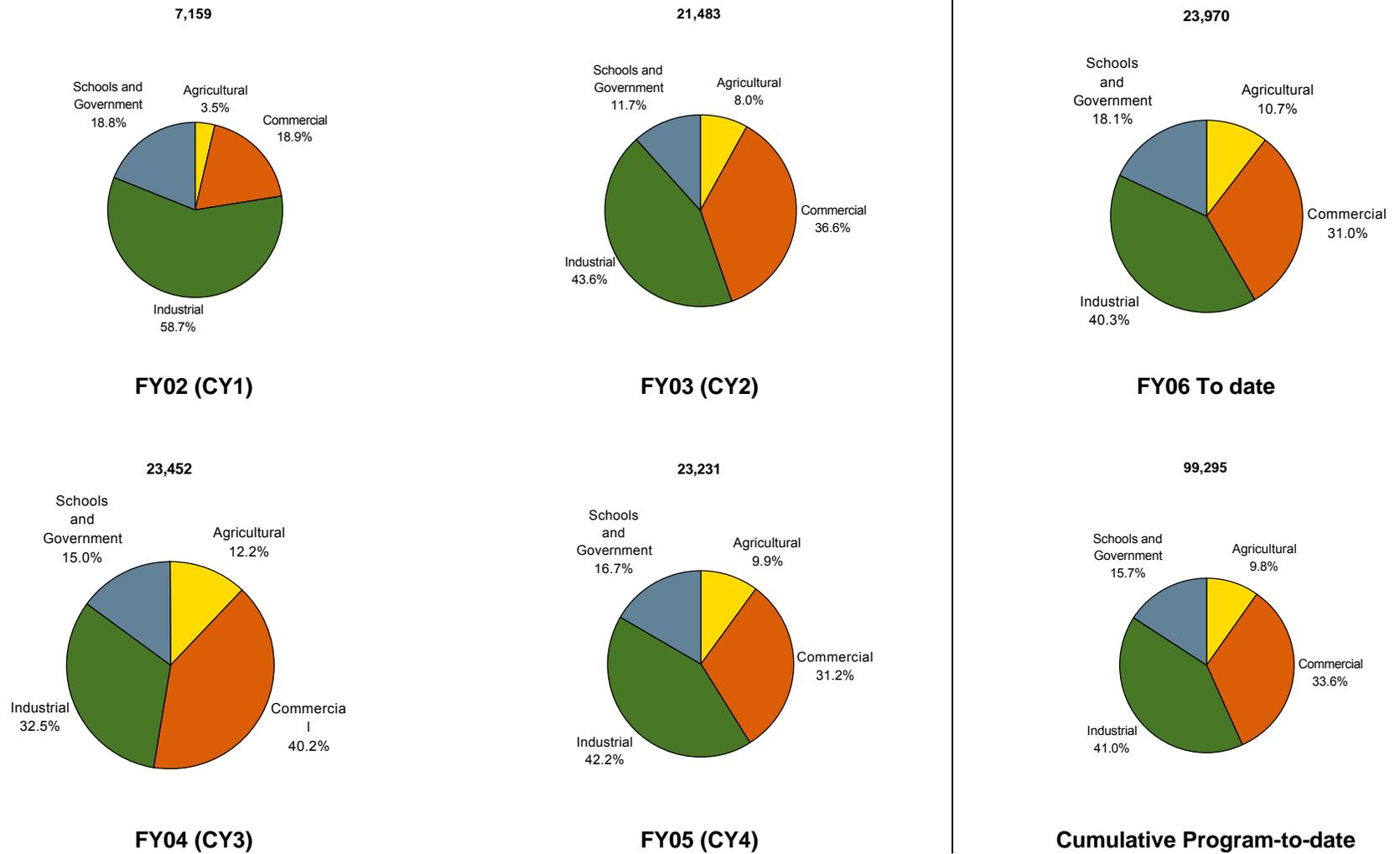
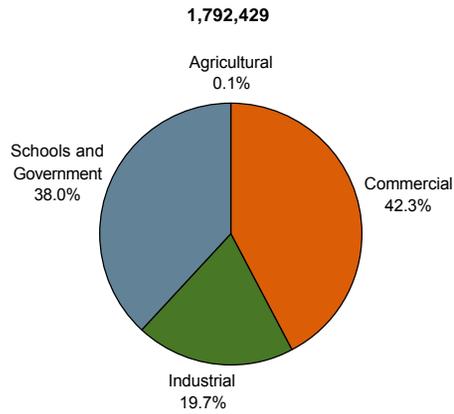
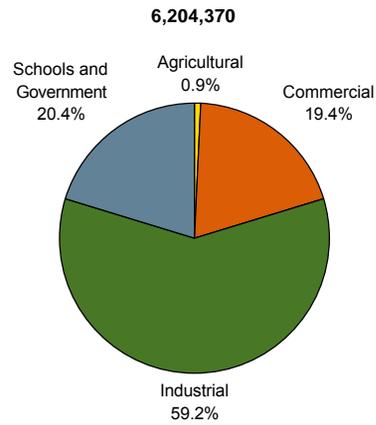


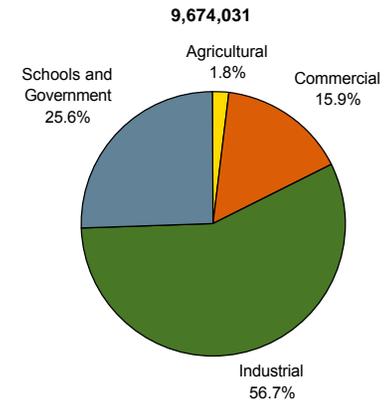
Figure D-3. Business Programs: Tracked Energy Savings (therms) Annual and Program-to-date, by Sector (Verified Gross Savings)



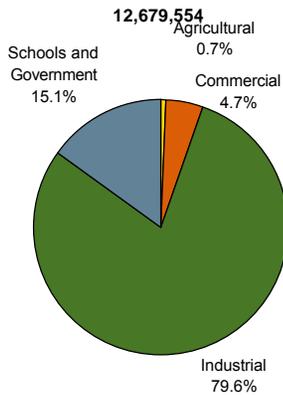
FY02 (CY1)



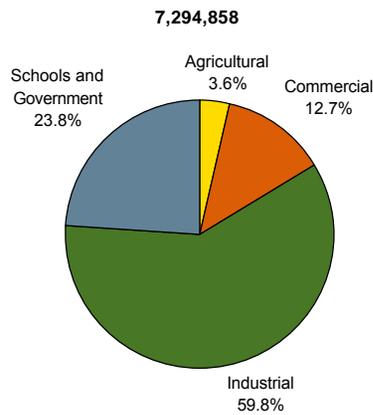
FY03 (CY2)



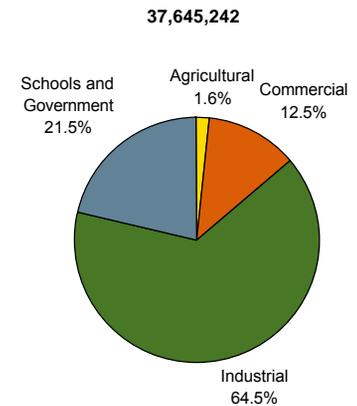
FY06 To date



FY04 (CY3)



FY05 (CY4)



Cumulative Program-to-date

APPENDIX E: ENDNOTES

Endnotes include sources and references supporting this report.

ⁱ Economic Development Benefits: Interim Economic Impacts Report. Focus evaluation team. Final: March 31, 2003.

ⁱⁱ *Estimating Seasonal and Peak Environmental Emissions Factors*. With Carmen Best, David Sumi, Bryan Ward, Bryan Zent, and Karl Hausker. Report for the Wisconsin Department of Administration, Division of Energy Focus on Energy statewide evaluation. May 2004.

ⁱⁱⁱ The Renewable Energy Program savings are evaluation-verified gross, not net.

^{iv} Please note that this is a gross simplification of what is involved in a benefit-cost analysis. A more complete explanation is included in the report that serves as the source for this information (see *Initial Benefit-Cost Analysis*. PA Government Services Inc. Final Report: March 31, 2003).

^v State of Wisconsin, Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY06 Detailed Evaluation Plans. June 22, 2005 (Revised).

^{vi} Amendment 11 to the Cooperative Agreement between the State of Wisconsin, Department of Administration—Division of Energy, and Wisconsin Energy Conservation Corporation (Contract 81310, Amendment 11).

^{vii} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: Residential Programs: ENERGY STAR[®] Products Program—Key Findings from CFL Distribution System Interviews. Final Report: July 17, 2006. Issued by Tom Talerico and Rick Winch, Glacier Consulting Group.

^{viii} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: Residential Programs: ENERGY STAR[®] Products Program Compact Fluorescent Lighting Installation Rate Study. Final Report: November 29, 2005. Issued by Rick Winch and Tom Talerico, Glacier Consulting Group.

^{ix} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: Residential Programs: Review of Delta Watts Values for CFLs Rewarded through the ENERGY STAR[®] Products Program during FY05. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. April 12, 2006.

^x State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY04/05 Net-to-Gross Savings Adjustments for CFLs Rewarded through the ENERGY STAR[®] Products Program. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. January 11, 2006.

^{xi} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: Residential Programs: ENERGY STAR[®] Qualified Clothes Washer Verified Gross Savings Adjustments for FY05. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. April 12, 2006.

^{xii} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY05 Net-to-Gross Savings Adjustments for ENERGY STAR[®] Qualified Clothes

Washers. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. January 11, 2006.

^{xiii} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: Residential Programs: ENERGY STAR[®] Products Program—CFL Database Analysis. Final Report: April 12, 2006. Issued by Tom Talerico and Rick Winch, Glacier Consulting Group.

^{xiv} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY05 Metrics Performance—Residential Programs. Memorandum issued by Rick Winch and Tom Talerico, Glacier Consulting Group. November 11, 2005.

^{xv} We are aware, however, from WECC and other sources that a number of major retailers will only participate in buy-down programs.

^{xvi} At program inception, customers were allowed to purchase as many CFLs as they wanted. At the beginning of FY04, customers were limited to a maximum of 24 CFLs per store visit. In FY05, customers were further limited to a maximum of 12 CFLs per store visit.

^{xvii} In the 2003 study, instant reward installation rates were 76% among those purchasing 10 or fewer CFLs, 64% for those purchasing 11 to 24, and 59% for those purchasing 25 or more. Similar results were found for mail-in rewards (78% installation rate for those purchasing 10 or less, 73% for 11-24, 69% for 25 or more).

^{xviii} This does not imply that ESP has no free-ridership among its participants (i.e., participants who received a rebate for a CFL who would have purchased a CFL in the absence of a rebate). It means that the reduction in impacts due to free-ridership is offset by the effects of spillover (i.e., qualifying CFLs sold by nonparticipating retailers) and breakage (i.e., qualifying CFLs sold by participating retailers for which a rebate was not claimed).

^{xix} Wisconsin market share increase by about 5 percentage points from FY04 to FY05 (41.7% to 46.4%). Average market share across the three baseline groups, however, increased by about 10 percentage points from FY04 to FY05 (29.7% to 39.3%).

^{xx} The Northwest Energy Efficiency Alliances has developed a set of market progress indicators which are annually tracked for its CFL program. Please see the following for details: (1) "ENERGY STAR[®] Consumer Products Market Progress Evaluation Report," Executive Summary, prepared by KEMA, #E05-151, November 15, 2005; and (2) "Residential Lighting in the Northwest: Market Transformation in Program," AESP Brown Bag Presentation by Karen Horkitz, October 21, 2004.

^{xxi} The original contract metric originally was specified as "Increase statewide (ENERGY STAR) clothes washer market share by 4 percentage points from the market share reported in the 3rd calendar quarter of 2004 using data triangulated from 3 sources: WECC retailer sales data, D&R International, and AHAM." We modified the comparison period from the 3rd to the 2nd quarter because the 3rd quarter would include progress that occurred in FY06, whereas the 2nd quarter would encompass only FY05.

^{xxii} In 2002, market share information pertaining to ENERGY STAR qualified clothes washers was purchased from AHAM by D&R International. For various reasons, ranging from cost considerations to concerns with the reliability of the information provided, neither D&R International nor regional entities interested in energy efficiency have purchased the information since 2002.

^{xxiii} The ENERGY STAR criteria for residential clothes washers increased on January 1, 2004 from a minimum Modified Energy Factor (MEF) of 1.26 to a minimum MEF of 1.42.

^{xxiv} It is important to note that the metrics measurement process is not assessing attribution. It simply involves measuring the total change in ENERGY STAR clothes washer market share. Separating the change in ENERGY STAR clothes washer market share into its component pieces (i.e., program-induced versus naturally occurring) is addressed through the net-to-gross analysis (State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY04 Net-to-Gross Savings Adjustments for ENERGY STAR[®] Qualified Clothes Washers. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. June 30, 2005).

^{xxv} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY05 Metrics Performance—Residential Programs. Memorandum issued by Rick Winch and Tom Talerico, Glacier Consulting Group. November 11, 2005.

^{xxvi} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: Wisconsin ENERGY STAR[®] Homes Infiltration Analysis. Memorandum issued by Tom Talerico, Glacier Consulting Group. April 5, 2004.

^{xxvii} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: Guidelines for Measuring Future WESH Infiltration-Based Metrics. Memorandum issued by Tom Talerico, Glacier Consulting Group. November 4, 2005 (Draft).

^{xxviii} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: CY3 Metrics Performance—Residential Programs. Memorandum issued by Rick Winch and Tom Talerico, Glacier Consulting Group. January 11, 2005.

^{xxix} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY05 Savings Adjustments for Home Performance with ENERGY STAR[®] Insulation Measures. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. July 14, 2006.

^{xxx} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY05 Net-to-Gross Savings Adjustments for 12/13+ SEER Central Air Conditioners and ECM Furnaces. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. June 27, 2006.

^{xxxi} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY05 Metrics Performance—Residential Programs. Memorandum issued by Rick Winch and Tom Talerico, Glacier Consulting Group. November 11, 2005.

^{xxxi} The net-to-gross ratio of 128 percent for 13+ SEER CACs does not imply no free-ridership among participants who received a reward for 13+ SEER CACs (i.e., participants who received a rebate for a 13+ SEER CAC who would have purchased a 13+ SEER CAC in the absence of a rebate). It means that the reduction in impacts due to free-ridership is offset by the effects of spillover (i.e., 13+ SEER CACs purchased by Wisconsin residential customers but not rewarded through EHCI).

^{xxxiii} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY05 Metrics Performance—Residential Programs. Memorandum issued by Rick Winch and Tom Talerico, Glacier Consulting Group. November 11, 2005.

^{xxxiv} State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: CY2 Metrics Performance—Residential Programs. Memorandum issued by Rick Winch and Tom Talerico, Glacier Consulting Group. October 24, 2003.

^{xxxv} The contract metric originally was specified as “Increase the number of remodeling/home improvement companies with whom consultants and qualified contractors have developed relationships from 6 and 34 in FY03 and FY04, respectively, to 44 in FY05.” The estimates of 6 in FY03 and 34 in FY04 specified by the program manager in the metric, however, are lower than the actual numbers, which were 32 in FY03 and 72 in FY04. Therefore, we adjusted the numbers specified in the metric accordingly to reflect the actual numbers. This resulted in a goal of 93, not 44, for FY05 $\{(44 \div 34) \times 72\}$.

^{xxxvi} The contract metric originally was specified as “Increase the number of referrals received by consultants and qualified contractors from remodeling/home improvement companies from 68 and 148 in FY03 and FY04, respectively, to 200 in FY05.” The estimates of 68 in FY03 and 148 in FY04 specified by the program manager in the metric, however, are higher than the actual numbers, which were 33 in FY03 and 87 in FY04. Therefore, we adjusted the numbers specified in the metric accordingly to reflect the actual numbers. This resulted in a goal of 118, not 200, for FY05 $\{(200 \div 148) \times 87\}$.

^{xxxvii} The contract metric originally was specified as “Increase the number of ratings and assessments performed by consultants and qualified contractors from 422 and 759 in FY03 and FY04, respectively, to 800 in FY05.” The estimates of 422 in FY03 and 759 in FY04 specified by the program manager in the metric, however, are lower than the actual numbers, which were 691 in FY03 and 1,078 in FY04. Therefore, we adjusted the numbers specified in the metric accordingly to reflect the actual numbers. This resulted in a goal of 1,136, not 800, for FY05 $\{(800 \div 759) \times 1,078\}$.

^{xxxviii} Major building performance-related measures are defined as those rebated and tracked through the HPWES program. These include air sealing, attic insulation, sidewall insulation, foundation insulation, floor insulation, sillbox insulation, and exhaust fans.

^{xxxix} Please see the *Evaluated Energy Impacts* section of *Existing Homes* for a discussion of the issues related to use of FACTS.

^{xi} It is important to note that the metrics measurement process is not assessing attribution. It simply involves measuring the total change in 13+ SEER CAC market share. Separating the change in 13+ SEER CAC market share into its component pieces (i.e., program-induced versus naturally occurring) is addressed through the net-to-gross analysis (State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY04 Net-to-Gross Savings Adjustments for 12/13+ SEER Central Air Conditioners and ECM Furnaces. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. November 11, 2005).

^{xii} Please see the *Evaluated Energy Impacts* section of *Existing Homes* for a discussion of the issues related to use of FACTS.

^{xiii} It is important to note that the metrics measurement process is not assessing attribution. It simply involves measuring the total change in ECM furnace market share. Separating the change in ECM furnace market share into its component pieces (i.e., program-induced versus naturally occurring) is addressed through the net-to-gross analysis (State of Wisconsin Department of Administration, Division of Energy. Focus on Energy Public Benefits Evaluation: FY04 Net-to-Gross Savings Adjustments for 12/13+ SEER Central Air Conditioners and ECM Furnaces. Memorandum issued by Tom Talerico and Rick Winch, Glacier Consulting Group. November 11, 2005).

^{xiiii} Tannenbaum, Bobbi. *Wisconsin LIHEAP Performance Measures: Working Group Report*. Energy Center of Wisconsin. Madison, Wisconsin. 2000.

^{xliv} WHEAP does not conform to the contract year, with its FY running October 1–September 30.

^{xlv} *Estimating Seasonal and Peak Environmental Emissions Factors*. With Carmen Best, David Sumi, Bryan Ward, Bryan Zent, and Karl Hausker. Report for the Wisconsin Department of Administration, Division of Energy Focus on Energy statewide evaluation. May 2004.