

STREET LIGHTING

SECTION 1 - LAMP TOTALS

YEAR	TOTAL SERIES	TOTAL MULTIPLE	SPECIAL LIGHTING	WEPCO PROPERTY THRU 1982 ALLEY LIGHTS	TOTAL MAINTAINED BY T.E. & E.S.D.	W.E.P. STREET LIGHTS	GRAND TOTAL IN CITY
1970	42,519	2,113	458	7,235	45,090	1,267	53,592
1971	43,727	2,497	456	7,384	46,680	1,099	55,163
1972	45,433	2,912	456	7,451	48,801	1,027	57,279
1973	46,873	3,640	456	7,508	50,969	852	59,329
1974	48,298	7,642	473	7,545	56,413	954	64,912
1975	48,729	8,410	485	7,645	57,624	901	66,170
1976	45,050	13,090	656	7,719	58,796	789	67,304
1977	43,951	14,931	698	7,792	59,580	640	68,012
1978	43,442	16,076	707	7,876	60,225	575	68,676
1979	43,062	16,501	655	7,822	60,222	522	68,566
1980	41,854	17,854	494	7,950	60,202	495	68,647
1981	41,283	18,796	516	7,987	60,595	477.5	69,059
1982	40,596	20,081	532	8,037	61,209	394.5	69,246
1983	39,091	22,372	619	8,082	70,164	326.5	70,490
1984	38,687	22,334	643	8,060	69,724	316.5	70,040
1985	37,681	23,983	650	8,103	70,417	195.5	70,612
1986	37,189	24,610	639	8,146	70,584	172.5	70,756
1987	36,531	25,731	759	8,162	71,183	171.5	71,354
1988	36,289	26,785	738	8,180	71,992	160.5	72,152
1989	35,694	27,633	734	8,227	72,288	165.5	72,453
1990	35,094	28,391	735	8,286	72,506	161	72,667
1991	34,640	28,971	732	8,324	72,667	152.5	72,819
1992	34,375	29,914	698	8,423	73,410	152.5	73,562
1993	33,976	30,554	707	8,486	73,723	152.5	73,875
1994	33,750	31,285	722	8,645	74,402	152.5	74,554
1995	33,487	31,958	705	8,683	74,833	152.5	74,985
1996	33,164	32,489	737	8,721	75,111	152.5	75,263
1997	32,815	32,821	737	8,730	75,103	152.5	75,255
1998	32,650	33,352	737	8,749	75,488	152.5	75,640

STREET LIGHTING

SECTION II - LAMP ANALYSIS

YEAR	SERIES			MULTIPLE					SERIES & MULTIPLE TOTALS
	MERCURY	SODIUM	INCAND.	STREET LIGHTS			ALLEY LIGHTS		
				MERCURY	SODIUM	INCAND.	MERCURY	SODIUM	
1970	10,073	---	29,943	1,762	---	54	W.E.P.		41,832
1971	13,826	---	29,901	2,836	---	339	"		46,902
1972	17,262	469	27,177	2,525	270	117	"		47,820
1973	21,862	535	24,478	2,659	754	235	"		50,523
1974	29,221	459	18,618	2,101	4,011	1,530	"		55,940
1975	33,042	496	15,191	2,946	4,946	527	"		57,139
1976	33,139	498	11,413	6,756	5,783	551	"		58,140
1977	33,241	699	10,011	7,241	7,196	494	"		58,882
1978	34,265	604	8,573	7,833	7,743	500	"		59,518
1979	34,535	603	7,924	8,129	8,550	468	"		60,222
1980	34,991	626	6,237	8,680	9,278	374	"		60,202
1981	35,113	629	5,541	8,516	10,562	221	"		60,595
1982	35,219	517	4,860	8,597	11,781	222	"		61,209
1983	34,151	694	4,246	8,529	14,228	234	8,082		70,164
1984	33,316	1,646	3,726	8,167	14,595	228	8,060		69,738
1985	31,938	2,722	3,021	8,481	16,004	148	8,103		70,417
1986	29,963	4,551	2,675	8,216	16,885	148	8,146		70,584
1987	27,946	6,451	2,134	8,059	18,266	165	8,162		71,183
1988	26,531	7,871	1,887	7,852	19,511	160	2,966	5,214	71,992
1989	24,901	9,090	1,703	7,692	20,527	148	945	7,282	72,288

STREET LIGHTING

SECTION II - LAMP ANALYSIS

YEAR	SERIES			MULTIPLE					SERIES & MULTIPLE TOTALS
	MERCURY	SODIUM	INCAND.	STREET LIGHTS			ALLEY LIGHTS		
				MERCURY	SODIUM	INCAND.	MERCURY	SODIUM	
1990	23,522	10,039	1,533	7,505	21,481	140	---	8,286	72,506
1991	21,455	11,717	1,468	7,125	22,446	132	---	8,324	72,667
1992	20,032	13,430	913	6,822	23,673	117	---	8,423	73,410
1993	18,260	15,000	716	6,452	24,700	109	---	8,486	73,723
1994	16,226	16,997	527	6,036	25,862	109	---	8,559	74,402
1995	14,385	18,712	390	4,812	27,744	107	---	8,594	74,833
1996	13,044	19,760	360	4,714	28,406	106	---	8,632	75,111
1997	12,133	20,366	316	4,222	29,231	105		8,657	75,103
1998	11,062	21,254	334	4,154	29,830	105		8,693	75,488
1999	9,927	21,748	318	3,528	31,067	104		8,717	75,496
2000	8,379	22,467	218	2,874	32,540	112		8,736	75,399
2001	6,285	23,620	177	2,372	33,895	70		8,748	75,209
2002	5,739	23,836	163	2,051	35,012	70		8,760	75,658
2003	4,554	24,342	159	1,800	36,146	60		8,765	75,853
2004	3,426	25,363	159	1,581	36,704	61		8,782	76,097
2005	2,900	25,747	157	1,526	36,849	61		8,787	76,039
2006	1,733	26,880	154	1,526	37,348	61		8,809	76,659
2007	1,386	26,898	149	1,509	37,438	67		8,811	76,372
2008	1,292	26,920	143	1,479	37,810	65		8,789	76,498
2009	1,202	26,945	143	1,479	37,964	65		8,795	76,593

STREET LIGHTING

SECTION 11 – LAMP ANALYSIS

YEAR	SERIES			MULTIPLE						SERIES & MULTIPLE TOTALS
	MERCURY	SODIUM	INCAND.	STREET LIGHTS				ALLEY LIGHTS		
				MERCURY	SODIUM	INCAND.	LED	MERCURY	SODIUM	
2010	1,150	26,934	143	979	38,170	65	508	---	8,810	76,759

STREET LIGHTING

SECTION 111 – LAMPS-OTHER GOVERNMENT UNITS

YEAR	MILW. COUNTY PARKS	PORT OF MILW.	POLICE DEPT.	WATER DEPT.	STREET SANIT.	MILW. PUBLIC SCHOOLS	MATC	DPW PLAY LOTS	DPW PARKING & AREA LOTS	CITY DEV.	OTHER MUNC.	TOTALS
1990	1,440	22	0	60	0	41	0	34	192	0	381	2,170
1991	1,476	23	0	59	0	41	0	34	192	0	381	2,206
1992	1,477	23	0	58	0	41	0	34	193	0	384	2,210
1993	1,482	22	0	59	0	41	0	34	194	0	384	2,216
1994	1,498	23	0	60	0	43	0	31	183	3	383	2,224
1995	1,496	22	0	59	0	43	0	31	189	8	384	2,232
1996	1,488	22	0	59	0	43	0	31	185	8	384	2,220
1997	1,488	22	0	59	0	43	0	31	189	8	384	2,224
1998	1,445	23	0	54	0	43	0	31	185	8	331	2,120
1999	1,310	22	0	53	0	43	0	31	185	10	254	1,908
2000	1,194	22	0	53	0	43	0	34	168	17	254	1,785
2001	1,191	22	0	53	0	43	0	34	170	17	254	1,784
2002	1,191	22	0	53	0	43	0	34	166	17	254	1,780
2003	1,155	22	0	48	0	43	0	35	152	29	254	1,738
2004	1,142	22	0	50	0	43	0	35	178	24	250	1,744
2005	1,142	8	0	50	0	43	0	35	171	24	250	1,723
2006	1,142	8	0	50	0	43	0	35	172	29	250	1,729
2007	1,142	8	0	50	0	43	0	35	165	31	250	1,724
2008	1,142	8	0	50	0	43	0	35	165	31	250	1,724
2009	1,142	8	0	50	0	43	0	35	165	31	250	1,724

SPECIAL LIGHTING

SECTION III-A - AREA & FLOOD LIGHTS - SPECIAL LIGHTING BOOK

YEAR	MILW. COUNTY PARKS	PORT OF MILW.	WATER WORKS	STREET SAN.	MILW. PUBLIC SCHOOLS	D.P.W.		HEALTH DEPT.	B&B	SUMMER -FEST	POLICE & LIBRARY	UWM	TOTALS
						PLAY LOTS	PARKING & AREA LOTS						
1980	239	10	3	5	105	11	112	0				13	498
	1,889	89	36	29	2,440	37	81	9				20	4,630
1981	230	10	3	14	104	11	92	30				13	507
	1,907	89	36	29	2,473	55	76	9				20	4,694
1982	230	10	3	14	112	10	123	30				13	545
	1,922	130	36	29	2,581	79	78	9				20	4,884
1983	281	2	2	27	108	14	99	30				13	576
	1,752	152	36	34	2,596	79	65	9				20	4,743
1984	291	8	2	27	131	18	123	49	15	25		13	702
	1,913	156	36	34	2,620	79	76	9	0	0		20	4,927
1985	233	47	2	27	130	14	107	49	15	25		13	662
	1,766	156	36	34	2,516	79	73	9	0	0		20	4,689
1986	297	55	4	27	124	20	104	38	23	25		13	730
	1,631	156	36	34	2,593	98	70	9	0	0		19	4,646

SPECIAL LIGHTING

SECTION III-A - AREA & FLOOD LIGHTS - SPECIAL LIGHTING BOOK

YEAR	MILW. COUNTY PARKS	PORT OF MILW.	WATER WORKS	STREET SAN.	MILW. PUBLIC SCHOOLS	D.P.W.		HEALTH DEPT.	B&B	SUMMER -FEST	POLICE & LIBRARY	UWM	TOTALS
						PLAY LOTS	PARKING & AREA LOTS						
1987	295	28	4	26	129	22	100	36	23	25		13	701
	1,647	156	38	34	2,631	98	68	9	0	0	4	19	4,704
1988	305	25	4	27	125	22	110	42	24	25	22	13	744
	1,632	156	38	34	2,633	98	55	9	0	0	11	19	4,685
1989	289	25	15	27	125	23	110	42	19	25	22	13	735
	1,629	156	36	34	2,633	98	55	9	0	0	11	19	4,680
1990	289	25	15	27	125	23	110	42	19	31	22	13	741
	1,622	156	36	16	2,632	98	55	9	0	0	11	19	4,654
1991	282	25	15	27	125	23	110	42	23	31	22	13	738
	1,606	156	36	16	2,632	98	62	9	0	0	11	19	4,645
1992	250	25	15	27	125	23	110	42	23	31	8	13	692
	1,606	156	36	16	2,632	98	62	9	0	0	7	19	4,641
1993	246	25	15	27	125	23	115	42	23	31	17	13	702
	1,606	156	36	18	2,648	98	69	9	0	0	4	19	4,663

SPECIAL LIGHTING

SECTION III-A - AREA & FLOOD LIGHTS - SPECIAL LIGHTING BOOK

YEAR	MILW. COUNTY PARKS	PORT OF MILW.	WATER WORKS	STREET SAN.	MILW. PUBLIC SCHOOLS	D.P.W.		HEALTH DEPT.	B&B	SUMMER -FEST	POLICE & LIBRARY	UWM	TOTALS
						PLAY LOTS	PARKING & AREA LOTS						
1994	246	25	15	27	125	23	115	42	23	31	17	13	702
	1,606	156	36	18	2,648	98	69	9	0	0	4	19	4,663
1995	241	36	15	41	139	23	110	42	23	31	22	13	726
	1,606	156	38	64	2,564	98	62	0	0	0	21	19	4,628
1996	246	36	15	41	130	23	110	42	23	31	22	13	732
	1,606	156	38	64	2,520	98	71	0	0	0	21	19	4,593
1997	242	36	16	34	123	23	120	42	23	15	22	-	696
	1,607	156	44	64	2,445	98	71	0	0	0	21	-	4,506
1998	242	23	16	34	122	23	92	42	23	15	22	-	654
	1,298	156	42	64	2,425	98	73	0	0	0	21	-	4,177
1999	242	23	16	32	122	28	102	42	23	15	22	-	667
	1,378	156	42	79	2,393	76	73	0	0	0	21	-	4,218
2000	185	23	16	33	122	28	102	42	23	9	22	-	605
	1,102	156	42	79	2,393	76	72	-	-	-	22	-	3,942

SPECIAL LIGHTING

SECTION III-A - AREA & FLOOD LIGHTS - SPECIAL LIGHTING BOOK

YEAR	MILW. COUNTY PARKS	PORT OF MILW.	WATER WORKS	STREET SAN.	MILW. PUBLIC SCHOOLS	D.P.W.		HEALTH DEPT.	B&B	SUMMER -FEST	POLICE & LIBRARY	UWM	TOTALS
						PLAY LOTS	PARKING & AREA LOTS						
2001	178	21	17	31	118	24	86	42	23	9	22	-	571
	1,102	156	42	74	2,321	76	72	-	-	-	22	-	3,865
2002	174	17	17	31	104	27	50	42	23	9	21	-	515
	1,105	156	42	74	2,163	55	29	-	-	-	23	-	3,647
2003	173	18	16	35	0	27	81	42	23	9	18	-	442
	1,045	146	42	67	0	52	47	-	-	-	22	-	1,421
2004	147	18	18	25	0	26	92	42	23	9	21	0	421
	962	156	42	72	0	52	46	0	0	0	22	0	1,352
2005	147	18	18	31	0	26	92	42	23	9	21	0	427
	958	156	42	72	0	52	72	0	0	0	22	0	1,374
2006	147	18	18	31	0	26	98	42	23	9	21	0	433
	958	156	42	72	0	52	72	0	0	0	22	0	1,374
2007	147	18	18	31	0	26	98	42	23	9	21	0	433
	952	156	42	72	0	52	72	0	0	0	22	0	1,368
2008	147	18	18	31	0	26	98	42	23	9	21	0	433
	952	156	42	72	0	52	72	0	0	0	22	0	1,368

2009	147	18	18	31	0	26	98	42	23	9	21	0	433
	952	156	42	72	0	52	72	0	0	0	22	0	1,368
2010	147	18	18	31	0	26	98	42	23	9	21	0	433
	952	156	42	72	0	52	72	0	0	0	22	0	1,368

STREET LIGHTING

SECTION IV – SUBSTATIONS AND ELECTRICAL ENERGY

YEAR	SUBSTATION				CIRCUITS		ANNUAL ENERGY DATA		
	PERMANENT	TEMPORARY	ENCLOSURE	TOTAL	SERIES	MULTIPLE	KILOWATT HOURS USED	AVERAGE KILOWATT LOAD	HOURS OF BURNING
1970	51	9	20	80	754	57	41,595,271	10,078	2,127:16
1971	51	9	22	82	757	58	42,729,591	10,383	4,115:14
1972	51	9	23	83	762	59	39,839,705	9,646	4,130:29
1973	52	9	36	97	785	93	41,196,334	10,267	4,012:30
1974	52	9	53	114	764	228	44,578,255	11,088	4,020:58
1975	52	9	66	127	770	281	46,349,077	11,330	4,091:02
1976	52	9	84	145	756	390	46,371,706	11,512	4,028:24
1977	52	9	93	154	740	434	48,290,340	12,058	4,005:40
1978	52	9	102	163	746	486	56,328,452	14,019	4,018:09
1979	53	8	116	177	746	565	57,568,581	14,313	4,022:22
1980	53	8	122	183	715	594	55,117,000	13,598	4,053:17
1981	52	7	138	197	696	628	58,690,000	14,499	4,047:47
1982	52	7	149	208	687	664	57,043,000	14,368	3,970:09
1983	52	7	161	220	697	712	58,611,000	14,661	3,997:50
1984	52	7	163	222	656	727	58,746,000	14,601	4,022:29

STREET LIGHTING

SECTION IV – SUBSTATIONS AND ELECTRICAL ENERGY

YEAR	SUBSTATION				CIRCUITS		ANNUAL ENERGY DATA		
	PERMANENT	TEMPORARY	ENCLOSURE	TOTAL	SERIES	MULTIPLE	KILOWATT HOURS USED	AVERAGE KILOWATT LOAD	HOURS OF BURNING
1985	53	7	166	226	641	748	56,890,000	14,221	4,000:30
1986	53	7	170	230	636	768	55,763,000	13,869	4,020:50
1987	52	6	174	232	623	774	53,451,000	13,379	4,032:37
1988	52	6	177	235	619	790	54,453,000	13,439	4,051:48
1989	52	5	180	237	607	816	57,587,000	14,206	4,053:42
1990	52	5	187	244	586	837	58,261,000	14,419	4,040:58
1991	52	5	189	246	577	853	57,226,300	14,238	4,019:15
1992	52	5	190	247	575	861	57,410,895	14,126	4,064:25
1993	52	5	192	249	572	869	56,586,499	14,076	4,020:13
1994	51	5	193	249	570	871	55,618,435	13,870	4,010:37
1995	49	5	195	249	562	873	53,063,811	13,168	4,029:56
1996	49	5	193	247	560	874	53,814,789	12,625	4,262:23
1997	49	5	193	247	563	875	53,695,253	12,632	4,250:57
1998	48	3	199	250	536	928	52,019,941	12,272	4,238:98
1999	48	3	199	250	534	941	50,031,147	12,125	4,126:33
2000	48	-	203	251	528	961	49,887,741*	11,943	4,177:07
2001	48	-	200	248	504	957	49,278,946*	11,723	4,203:68
2002	48	-	199	247	480	983	48,763,711*	12,141	4,016:13
2003	48	-	199	247	480	983	49,157,915	12,132	4,051:85
2004	48	-	199	247	479	980	49,142,276	12,147	4,045:70

STREET LIGHTING

SECTION IV – SUBSTATIONS AND ELECTRICAL ENERGY

YEAR	SUBSTATION				CIRCUITS		ANNUAL ENERGY DATA		
	PERMANENT	TEMPORARY	ENCLOSURE	TOTAL	SERIES	MULTIPLE	KILOWATT HOURS USED	AVERAGE KILOWATT LOAD	HOURS OF BURNING
2005	48		199	247	479	980	47,615,584	11,762	4,048:35
2006	48	-	199	247	479	980	47,921,089	11,823	4,053:11
2007	48	-	203	251	471	1,031	47,047,162	11,562	4,069:23
2008	48	-	200	248	465	1,031	46,528,510	11,428	4,071.48
2009	49	-	201	250	463	1,037	45,442,863	11,160	4,072.08
2010	48	-	201	249	454	1,028	47,404,512	11,690	4,055.16

* Denotes Estimated Value

STREET LIGHTING

SECTION Very truly yours, – TOTALS

YEAR	CITY DATA		STREET LIGHTING MATERIALS			
	MILES OF STREETS	MILES OF LIGHTED STREETS	UNDERGROUND CABLE	OVERHEAD LINES (INTERIM)	NUMBER OF POLES	NUMBER OF LAMPS
1970	1,339	1,084	7,750,164'	2,323,407'	44,532	44,632
1971	1,341	1,103	7,993,644'	2,318,607'	46,684	46,224
1972	1,343	1,152	8,442,314'	2,313,267'	48,731	48,345
1973	1,345	1,180	9,103,204'	2,324,367'	51,366	50,513
1974	1,348	1,199.5	10,180,774'	2,268,180'	55,420	55,940
1975	1,347	1,216	10,740,700'	2,246,855'	56,284	57,139
1976	1,346	1,219	11,198,089'	2,176,234'	57,229	58,140
1977	1,346	1,233	11,594,224'	2,212,154'	58,393	58,882
1978	1,369	1,218	11,763,998'	2,175,924'	57,217	59,518
1979	1,370	1,222.4	11,936,137'	2,168,424'	57,702	60,222
1980	1,371	1,230.4	12,043,137'	2,150,534'	58,081	60,202
1981	1,389	1,238	12,148,137'	2,116,000'	58,393	60,595
1982	1,391	1,244	12,277,937'	2,100,160'	58,867	61,209
1983	1,391	1,249	12,457,027'	2,077,845'	59,453	62,082
1984	1,391	1,260	12,430,758'	2,074,545'	59,658	69,724
1985	1,413	1,268	12,465,963'	486,800'	59,799	70,417
1986	1,414	1,272	12,525,678'	475,850'	60,010	70,584
1987	1,414	1,276	12,630,309'	450,390'	60,384	71,183
1988	1,415	1,280	9,051,210'	449,620'	60,757	71,992
1989	1,414.95	1,280.53	9,078,120'	466,120'	60,876	72,288
1990	1,415.00	1,280.60	9,130,408'	466,820'	52,587	72,506
1991	1,415.50	1,280.80	9,129,128'	466,500'	52,594	72,667
1992	1,415.50	1,280.80	9,155,359'	465,200'	52,764	73,410
1993	1,415.50	1,281.73	9,172,795'	457,400'	53,144	73,723
1994	1,416.16	1,282.17	9,200,744'	455,100'	53,377	74,402
1995	1,414.37	1,283.08	9,192,546'	453,700'	53,551	74,833
1996	1,414.37	1,285.62	9,131,019'	446,645'	53,793	75,111

YEAR	CITY DATA		STREET LIGHTING MATERIALS			
	MILES OF STREETS	MILES OF LIGHTED STREETS	UNDERGROUND CABLE	OVERHEAD LINES (INTERIM)	NUMBER OF POLES	NUMBER OF LAMPS
1997	1,414.37	1,287.54	9,215,316'	439,634	54,138	75,103
1998	1,414.07	1,288.37	8,411,890'	440,634	54,138	75,488
1999	1,414.40	1,288.54	9,258,454'	436,883	54,346	75,496
2000	1,417.00	1,288.54	9,258,454'	436,883	54,346	75,399
2001	1,417.00	1,288.54	9,258,454'	436,883	54,346	75,209
2002	1,418.00	1,288.54				75,658
2003		1,288.54				75,857
2004		1,288.54				76,097
2005		1,288.51				76,039
2006		1,288.63				76,619
2007		1,289.73				76,372
2008		1,290.78				76,498
2009		1,291.59				76,593
2010		1291.59				76,759

(STLGTTBL.KWQ)(DLE)