

**Hennen's American Public Library Rating II Index ©
Special Report**

*Based on Federal State Cooperative Service Data
September 15, 1999*

**Waukesha County Federated
Library System**

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Section 1. Overview and Scores

Executive Summary

The HAPLR II Index is featured in the September 1999 issue of American Libraries magazine. The Index uses data provided by nearly 9,000 public libraries in the United States to create comparative rankings. The comparisons are in broad population categories with breaks at 1,000; 2,500; 5,000; 10,000; 25,000; 50,000; 100,000; 250,000; and 500,000. The two distinctions between the first and second editions of the Index are the number of libraries included: 7,000 in the first edition, nearly 9,000 in the second; and the population categories used, four in the first edition, 10 in the second. Both editions are based on the same data from the Federal-State Cooperative Service (FSCS).

The attached report compares all 16 libraries in Waukesha County to one another as well as to comparable libraries in the nation. It should also be noted that **the state of Wisconsin ranked number 4** of all the States for the HAPLR Index. The group of libraries listed here all had extraordinarily high scores.

Each index factor produces a rank and percentile score. All factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost.

Thomas J. Hennen Jr., the author of the HAPLR Index, has nearly 25 years worth of experience in public libraries. He has published in Library Journal, American Libraries and in other American Library Association publications. He also had a column on rural library materials for the American Library Association's Booklist magazine. He has been a speaker for library associations throughout the U.S. and Canada. He is the Director of the Waukesha County Federated Library System.

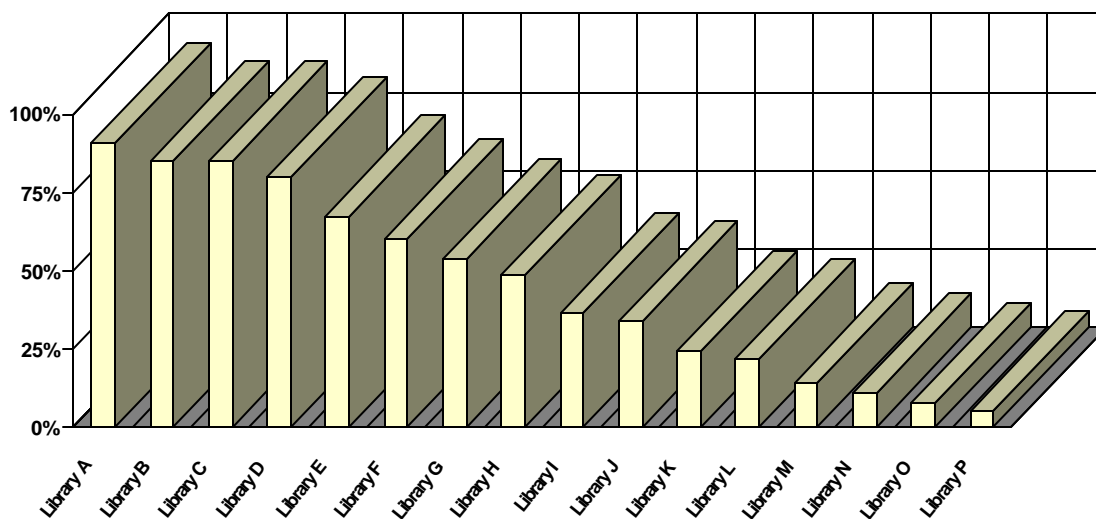
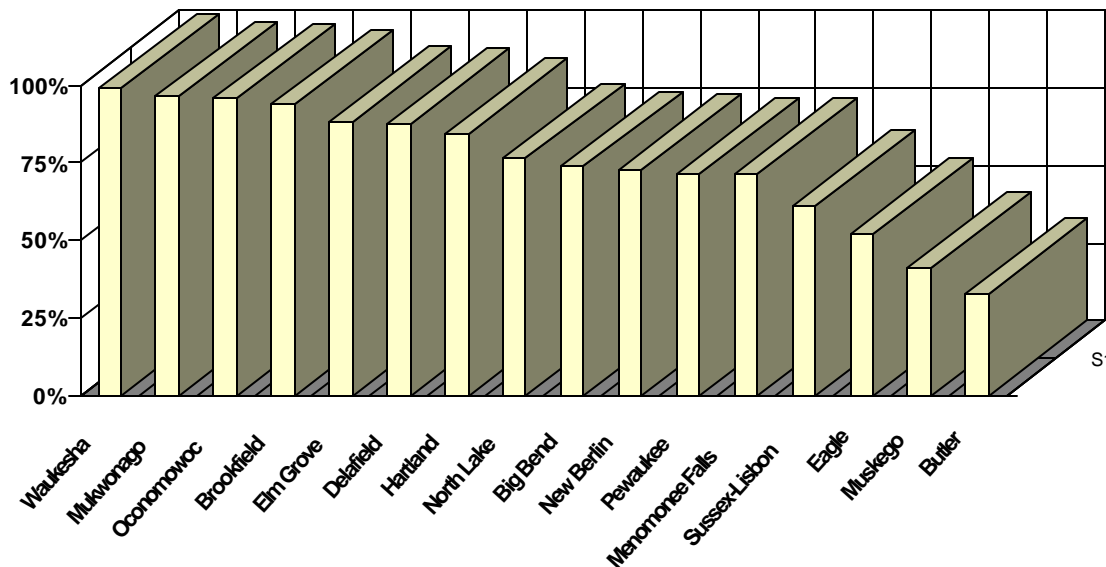
The data attached include the raw data taken from the Federal State Cooperative Service, a division of the U.S. Department of education, as well as the calculations that are needed to generate the HAPLR Index.

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Graph of HAPLR Scores Waukesha/Random Sample

Top Chart is for 16 Waukesha Libraries. Bottom chart is a random sample of 9,000 libraries.



Section 2. Data Measures by Library for HAPLR Scores

Explanation of Data

The FSCS data elements listed in this report are a bit obscure, so there is an explanation table in the appendix.

Federal State Cooperative Service Data goes through three stages:

- ✓ Preliminary Release
- ✓ Early Release
- ✓ Final Release

HAPLR Index I was based on 1997 **Preliminary Release Files** from the Federal-State Cooperative Service. In most cases this will be data for calendar or fiscal year 1997. Nearly 2,000 libraries of 9,000 nationally could not be included because they did not report at least one data element needed to compile the Index. HAPLR I used only 4 population divisions rather than the 10 preferred by FSCS and used for HAPLR Index II.

HAPLR Index II uses data the more complete data obtained from **1997 Early Release files**. The data collection methods employed by FSCS allow for imputing (or statistically estimating) data in their Early Release files, allowing comparisons to most of those remaining libraries identified. This increases the number of libraries that can be rated from around 7,000 to 9,000. HAPLR Index II employs the 10 standard population divisions used by FSCS rather than the 4 used in the first edition.

The data will be probably not be published in final form by the federal government until 2000, but the raw data is available at the FSCS web sited at <http://nces.ed.gov/surveys/public.html#contents>.

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Table 1a. FSCS Data for Libraries.

Highlighted rows are used in calculating the HAPLR Index. There is an explanation table for data elements in the appendix. *A notation of -1 means no report.*

POPULATION	WI 50K	WI 25K	WI 25K	WI 25K	WI 25K
POP category	8752	8485	8643	8619	8637
Initial Sort	WI354	WI144	WI229	WI202	WI223
LIBID	Waukesha	Brookfield	New Berlin	Maude Shunk	Muskego
LIBNAME	Public Library	Public Library	Public Library	Public Library	Public Library
ADDRESS	321 Wisconsin Ave.	1900 N. Calhoun Rd.	14750 W. Cleveland Ave.	W156 N8446 Pilgrim Rd.	W182 S8200 Racine Ave., P.O. Box 903
CITY	Waukesha	Brookfield	New Berlin	Menomonee Falls	Muskego
ZIP1	53186	53005	53151	53051	53150
ZIP2	4786	5097	4984	3140	0903
PHONE	4145243680	4147966662	4147854980	4142558390	4146794120
POPULATION	78,751	48,198	46,755	37,596	25,848
CENTLIB	1	1	1	1	1
BRANLIB	0	0	0	0	0
BKMOB	0	0	0	0	0
MASTER	12.65	7.84	4.5	7	2
LIBRARIAN	13.65	7.84	4.5	7	7
OTHPAID	27.65	21.25	7.5	16	4
TOTPEMP (FTE Staff)	41.3	29.1	12.0	23.0	11.0
LOGGVT	2,052,542	1,478,323	633,468	1,116,486	432,870
STGVT	149,973	46,982	-	29,907	4,897
FEDGVT	825	-	-	-	-
OTHINCM	221,457	41,545	22,895	12,802	34,957
TOTINCM	2,424,797	1,566,850	656,363	1,159,195	472,724
SALARIES	1,204,024	741,903	287,492	641,104	257,087
BENEFIT	416,722	239,562	83,409	203,682	72,694
TOTEXP	1,620,746	981,465	370,901	844,786	329,781
TOTEXPCOL (Materials \$)	374,714	254,522	183,969	166,590	68,441
OTHOPEXP	429,337	302,838	78,598	138,425	73,005
TOTOPEXP1 (Operating \$)	2,424,797	1,538,825	633,468	1,149,801	471,227
CAPITAL	27,214	8,984	-	32,091	10,559
BKVOL	237,751	121,805	92,827	91,340	70,150
AUDIO	7,987	5,657	4,395	3,282	3,000
VIDEO	4,009	2,751	5,672	2,448	1,305
SUBSCRIPT	519	399	253	398	267
DUPLI (hrs open)	3,648	3,016	3,445	3,126	2,548
ATTEND (Visits)	515,494	308,114	162,062	140,347	65,782
REFERENCE	134,564	64,714	21,072	18,961	17,614
TOTCIR (Circulation)	1,252,731	555,764	345,352	321,268	131,691
LOANTO	7,783	2,103	1,330	1,946	849
LOANFM	2,579	1,970	875	2,148	2,530
KIDCIRCL	526,147	258,083	86,338	153,344	62,893
KIDATTEND	14,555	8,476	2,415	3,926	3,939

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Table 1b. FSCS Data for Libraries.

Highlighted rows are used in calculating the HAPLR Index. There is an explanation table for data elements in the appendix. *A notation of -1 means no report.*

LIBNAME	Pauline Haass Public Library	Oconomowoc Public Library	Hartland Public Library	Town Hall Library	Barbara Sanborn Public Library
ADDRESS	N64 W23820 Main St.	200 South Street	110 E. Park Ave., P.O. Box 18	N76 W31429 Hwy. VV	302 Oakton Ave.
CITY	Sussex	Oconomowoc	Hartland	North Lake	Pewaukee
ZIP1	53089	53066	53029	53064	53072
ZIP2	3122	5299	0018	0158	3596
PHONE	4142465180	4145692193	4143673350	4149662933	4146915670
POPUP	20,985	15,260	10,161	9,190	8,723
CENTLIB	1	1	1	1	1
BRANLIB	0	0	0	0	0
BKMOB	0	0	0	0	0
MASTER	4.13	3.85	2.5	0	1
LIBRARIAN	4.13	4.85	3.5	1.8	2.75
OTHPAID	5.95	8.35	6.3	2.1	1.43
TOTPEMP (FTE Staff)	10.1	13.2	9.8	3.9	4.2
LOGGVT	431,995	594,681	313,915	144,707	156,962
STGVT	-	9,362	28,185	-	4,906
FEDGVT	1,129	-	-	-	-
OTHINCM	21,039	53,915	18,999	-	3,176
TOTINCM	454,163	657,958	361,099	144,707	165,044
SALARIES	222,247	308,924	189,466	77,095	79,874
BENEFIT	63,505	109,379	52,033	7,263	23,914
TOTEXP	285,752	418,303	241,499	84,358	103,788
TOTEXPCOL (Materials \$)	65,666	101,044	40,237	44,887	32,371
OTHOPEXP	88,546	102,138	77,306	20,422	15,226
TOTOPEXP1 (Operating \$)	439,964	621,485	359,042	149,667	151,385
CAPITAL	1,245,044	4,689	91,582	-	-
BKVOL	45,421	87,980	40,190	36,980	36,748
AUDIO	942	5,763	862	950	1,762
VIDEO	933	1,102	794	450	938
SUBSCRIPT	145	285	118	86	91
DUPLI (hrs open)	3,026	3,029	2,804	2,951	2,756
ATTEND (Visits)	86,328	133,686	77,376	16,000	37,604
REFERENCE	14,198	14,920	9,090	13,000	5,779
TOTCIR (Circulation)	153,338	228,474	134,183	85,934	70,948
LOANTO	1,395	999	882	508	788
LOANFM	1,828	2,440	1,347	680	513
KIDCIRCL	94,060	95,959	63,066	47,264	36,637
KIDATTEND	3,335	7,559	3,096	1,200	1,251

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Table 1c. FSCS Data for Libraries.

Highlighted rows are used in calculating the HAPLR Index. There is an explanation table for data elements in the appendix. *A notation of -1 means no report.*

LIBNAME	Elm Grove Public Library	Delafield Public Library	Mukwonago Community Library	Alice Baker Memorial Public Library	Butler Public Library	Big Bend Village Library
ADDRESS	13600 W. Juneau Blvd.	500 N. Genesee St.	300 Washington Ave.	520 East Main St., P.O. Box 520	12621 W. Hampton Ave.	W230 S9175 Nevins St.
CITY	Elm Grove	Delafield	Mukwonago	Eagle	Butler	Big Bend
ZIP1	53122	53018	53149	53119	53007	53103
ZIP2	1654	1895	1259	0520	1705	9722
PHONE	4147826717	4146466230	4143636411	4145942800	4147832535	4146623571
POPU	8,158	8,012	7,239	4,801	2,682	1,717
CENTLIB	1	1	1	1	1	1
BRANLIB	0	0	0	0	0	0
BKMOB	0	0	0	0	0	0
MASTER	2.52	1.55	2.5	0	0.63	0
LIBRARIAN	3.49	2.55	4.5	1	0.74	0.5
OTHPAID	2.69	3.5	3.9	1.35	0.33	0.78
TOTPEMP (FTE Staff)	6.2	6.1	8.4	2.4	1.1	1.3
LOGVGT	288,262	233,948	255,587	72,384	40,043	41,181
STGVT	-	1,282	696	-	-	49
FEDGVT	-	1,370	26,535	-	-	-
OTHINCM	14,813	1,984	17,163	5,441	-	269
TOTINCM	303,075	238,584	299,981	77,825	40,043	41,499
SALARIES	145,968	118,182	141,473	45,973	21,384	23,360
BENEFIT	36,807	28,604	35,214	-	3,657	-
TOTEXP	182,775	146,786	176,687	45,973	25,041	23,360
TOTEXPCOL (Materials \$)	56,138	46,255	65,345	13,802	6,848	11,163
OTHOPEXP	55,736	45,543	53,120	16,463	3,408	6,844
TOTOPEXP1 (Operating \$)	294,649	238,584	295,152	76,238	35,297	41,367
CAPITAL	-	8,571	20,154	1,587	-	-
BKVOL	29,154	47,810	39,489	22,160	20,292	11,195
AUDIO	1,114	1,423	705	167	187	60
VIDEO	1,364	692	725	557	281	211
SUBSCRIPT	131	118	107	105	56	34
DUPLI (hrs open)	2,769	3,029	2,964	2,288	1,521	1,404
ATTEND (Visits)	56,000	80,300	73,944	28,000	6,000	9,239
REFERENCE	9,000	6,331	15,380	1,800	1,000	480
TOTCIR (Circulation)	92,960	92,899	116,098	30,956	14,132	16,830
LOANTO	1,110	1,082	514	353	216	121
LOANFM	727	1,328	2,060	1,551	292	1,103
KIDCIRCL	37,960	39,483	79,406	14,108	6,642	5,612
KIDATTEND	2,462	2,447	2,062	952	1,883	865

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Table 2a. HAPLR Index Calculations.

Data calculated from Federal-State Cooperative Service Data on prior page.

CITY	Waukesha Public Library	Brookfield Public Library	New Berlin Public Library	Maude Shunk Public Library	Muskego Public Library
MEASURE					
Expend per capita	\$30.79	\$31.93	\$13.55	\$30.58	\$18.23
Percent of Budget to Materials	15%	17%	29%	14%	15%
Materials Expenditure Per capita	\$4.76	\$5.28	\$3.93	\$4.43	\$2.65
FTE Staff per 1,000 Population	0.52	0.60	0.26	0.61	0.43
Periodicals per 1000 residents	6.59	8.28	5.41	10.59	10.33
Volumes per Capita	3.02	2.53	1.99	2.43	2.71
Cost per Circulation	\$1.94	\$2.77	\$1.83	\$3.58	\$3.58
Visits per capita	6.55	6.39	3.47	3.73	2.54
Collection Turnover	5.27	4.56	3.72	3.52	1.88
Circulation per FTE Staff hr	14.58	9.19	13.84	6.72	5.76
Circulation per capita	15.91	11.53	7.39	8.55	5.09
Reference per capita	1.71	1.34	0.45	0.50	0.68
Circulation per hour	343.40	184.27	100.25	102.77	51.68
Visits per hour	141.31	102.16	47.04	44.90	25.82
Circulation per visit	2.43	1.80	2.13	2.29	2.00
RANK					
Expend per capita	94	154	544	165	414
Percent of Budget to Materials	211	336	18	503	499
Materials Expenditure Per capita	78	138	262	207	432
FTE Staff per 1,000 Population	135	225	687	221	425
Periodicals per 1000 residents	157	272	515	158	165
Volumes per Capita	125	433	596	469	393
Cost per Circulation	448	469	741	278	279
Visits per capita	71	177	505	458	611
Collection Turnover	24	57	126	147	567
Circulation per FTE Staff hr	11	185	31	430	535
Circulation per capita	17	111	336	253	504
Reference per capita	50	129	484	446	345
Circulation per hour	4	21	152	142	419
Visits per hour	18	40	292	313	528
Circulation per visit	70	295	200	162	228
WEIGHTED SCORE					
Expend per capita	1,242	2,121	951	2,088	1,341
Percent of Budget to Materials	594	1,050	1,686	716	724
Materials Expenditure Per capita	860	1,446	1,198	1,308	858
FTE Staff per 1,000 Population	746	1,272	348	1,280	872
Periodicals per 1000 residents	351	589	346	703	696
Volumes per Capita	383	428	265	392	468
Cost per Circulation	1,344	1,407	2,223	834	837
Visits per capita	1,311	2,052	1,068	1,209	750
Collection Turnover	968	1,608	1,470	1,428	588
Circulation per FTE Staff hr	994	1,352	1,660	862	652
Circulation per capita	982	1,500	1,050	1,216	714
Reference per capita	916	1,464	754	830	1,032
Circulation per hour	1,008	1,680	1,418	1,438	884
Visits per hour	490	821	569	548	333
Circulation per visit	438	566	661	699	633
Raw Haplr Score	12,627	19,356	15,667	15,551	11,382
HAPLR	857	775	627	623	456
Percentile	99.0%	93.9%	73.0%	71.5%	41.3%

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Table 2b. HAPLR Index Calculations.

Data calculated from Federal-State Cooperative Service Data on prior page.

CITY	Pauline Haass Public Library	Oconomowoc Public Library	Hartland Public Library	Town Hall Library	Barbara Sanborn Public Library
MEASURE					
Expend per capita	\$20.97	\$40.73	\$35.34	\$16.29	\$17.35
Percent of Budget to Materials	15%	16%	11%	30%	21%
Materials Expenditure Per capita	\$3.13	\$6.62	\$3.96	\$4.88	\$3.71
FTE Staff per 1,000 Population	0.48	0.87	0.96	0.42	0.48
Periodicals per 1000 residents	6.91	18.68	11.61	9.36	10.43
Volumes per Capita	2.16	5.77	3.96	4.02	4.21
Cost per Circulation	\$2.87	\$2.72	\$2.68	\$1.74	\$2.13
Visits per capita	4.11	8.76	7.61	1.74	4.31
Collection Turnover	3.38	2.60	3.34	2.32	1.93
Circulation per FTE Staff hr	7.31	8.32	6.58	10.59	8.16
Circulation per capita	7.31	14.97	13.21	9.35	8.13
Reference per capita	0.68	0.98	0.89	1.41	0.66
Circulation per hour	50.67	75.43	47.85	29.12	25.74
Visits per hour	28.53	44.14	27.59	5.42	13.64
Circulation per visit	1.78	1.71	1.73	5.37	1.89
RANK					
Expend per capita	649	186	257	701	640
Percent of Budget to Materials	1,020	812	1,438	73	378
Materials Expenditure Per capita	718	185	527	295	482
FTE Staff per 1,000 Population	763	209	151	824	699
Periodicals per 1000 residents	999	120	456	838	741
Volumes per Capita	1,269	137	502	655	580
Cost per Circulation	715	793	815	1,112	896
Visits per capita	797	190	270	1,257	620
Collection Turnover	236	549	245	391	611
Circulation per FTE Staff hr	732	533	913	243	504
Circulation per capita	718	106	166	418	545
Reference per capita	604	355	414	179	550
Circulation per hour	428	151	482	370	495
Visits per hour	574	231	594	1,290	615
Circulation per visit	674	721	702	42	577
WEIGHTED SCORE					
Expend per capita	3,069	4,458	4,245	2,373	2,556
Percent of Budget to Materials	1,304	1,720	468	2,838	2,228
Materials Expenditure Per capita	1,908	2,974	2,290	2,394	2,020
FTE Staff per 1,000 Population	1,818	2,926	3,042	1,336	1,586
Periodicals per 1000 residents	673	1,552	1,216	654	751
Volumes per Capita	403	1,535	1,170	837	912
Cost per Circulation	2,145	2,379	2,445	3,336	2,688
Visits per capita	2,625	4,446	4,206	705	2,616
Collection Turnover	2,872	2,246	2,854	2,202	1,762
Circulation per FTE Staff hr	1,880	2,278	1,518	2,498	1,976
Circulation per capita	1,908	3,132	3,012	2,148	1,894
Reference per capita	2,136	2,634	2,516	2,626	1,884
Circulation per hour	2,488	3,042	2,380	2,244	1,994
Visits per hour	1,098	1,441	1,078	202	877
Circulation per visit	998	951	970	1,450	915
Raw Haplr Score	27,325	37,714	33,410	27,843	26,659
HAPLR	564	778	689	644	616
Percentile	61.4%	95.9%	84.3%	76.4%	71.7%

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Table 2c. HAPLR Index Calculations.

Data calculated from Federal-State Cooperative Service Data on prior page.

CITY	Elm Grove Public Library	Delafield Public Library	Mukwonago Community Library	Alice Baker Memorial Public Library	Butler Public Library	Big Bend Village Library
MEASURE						
Expend per capita	\$36.12	\$29.78	\$40.77	\$15.88	\$13.16	\$24.09
Percent of Budget to Materials	19%	19%	22%	18%	19%	27%
Materials Expenditure Per capita	\$6.88	\$5.77	\$9.03	\$2.87	\$2.55	\$6.50
FTE Staff per 1,000 Population	0.76	0.76	1.16	0.49	0.40	0.75
Periodicals per 1000 residents	16.06	14.73	14.78	21.87	20.88	19.80
Volumes per Capita	3.57	5.97	5.46	4.62	7.57	6.52
Cost per Circulation	\$3.17	\$2.57	\$2.54	\$2.46	\$2.50	\$2.46
Visits per capita	6.86	10.02	10.21	5.83	2.24	5.38
Collection Turnover	3.19	1.94	2.94	1.40	0.70	1.50
Circulation per FTE Staff hr	7.23	7.38	6.64	6.33	6.35	6.32
Circulation per capita	11.39	11.59	16.04	6.45	5.27	9.80
Reference per capita	1.10	0.79	2.12	0.37	0.37	0.28
Circulation per hour	33.57	30.67	39.17	13.53	9.29	11.99
Visits per hour	20.22	26.51	24.95	12.24	3.94	6.58
Circulation per visit	1.66	1.16	1.57	1.11	2.36	1.82
RANK						
Expend per capita	176	264	136	541	658	325
Percent of Budget to Materials	580	546	319	742	626	457
Materials Expenditure Per capita	154	215	75	611	666	208
FTE Staff per 1,000 Population	295	302	79	585	717	412
Periodicals per 1000 residents	352	434	431	243	256	718
Volumes per Capita	830	220	290	725	180	911
Cost per Circulation	421	664	683	513	478	570
Visits per capita	285	127	123	307	931	462
Collection Turnover	141	605	195	618	1,080	361
Circulation per FTE Staff hr	679	651	805	750	706	870
Circulation per capita	283	276	114	666	767	481
Reference per capita	278	432	89	698	666	969
Circulation per hour	268	329	168	645	913	545
Visits per hour	291	154	173	259	1,109	519
Circulation per visit	752	1,190	834	1,107	292	751
WEIGHTED SCORE						
Expend per capita	3,948	3,684	4,068	2,295	1,944	3,771
Percent of Budget to Materials	1,824	1,892	2,346	1,128	1,360	2,250
Materials Expenditure Per capita	2,676	2,554	2,834	1,390	1,280	2,748
FTE Staff per 1,000 Population	2,394	2,380	2,826	1,442	1,178	2,340
Periodicals per 1000 residents	1,140	1,058	1,061	1,063	1,050	864
Volumes per Capita	662	1,272	1,202	581	1,126	671
Cost per Circulation	1,263	1,992	2,049	1,539	1,434	1,710
Visits per capita	3,621	4,095	4,107	2,997	1,125	3,360
Collection Turnover	2,702	1,774	2,594	1,376	452	2,442
Circulation per FTE Staff hr	1,626	1,682	1,374	1,112	1,200	1,424
Circulation per capita	2,418	2,432	2,756	1,280	1,078	2,202
Reference per capita	2,428	2,120	2,806	1,216	1,280	1,226
Circulation per hour	2,448	2,326	2,648	1,322	786	2,074
Visits per hour	1,201	1,338	1,319	1,047	197	1,063
Circulation per visit	740	302	658	199	1,014	831
Raw Haplr Score	31,091	30,901	34,648	19,987	16,504	28,976
HAPLR	719	714	801	528	436	632
Percentile	88.4%	87.7%	96.3%	52.1%	33.0%	73.8%

Section 3. HAPLR Scores and Graphs Libraries

This section provides a graphic look at each library.

The summary data section lists the HAPLR Index scores, rank, and percentile for each library as calculated in the previous section.

The graphic section illustrates the percentile ranking for each library on each of the 6 input and 9 output measures.

The graphs compare each library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower.

The libraries in the population category were ranked with weighted scores for each factor to produce the composite HAPLR Index score, rank and cumulative percentile noted above.

Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost.

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Graph 1 Waukesha Public Library – 50 K

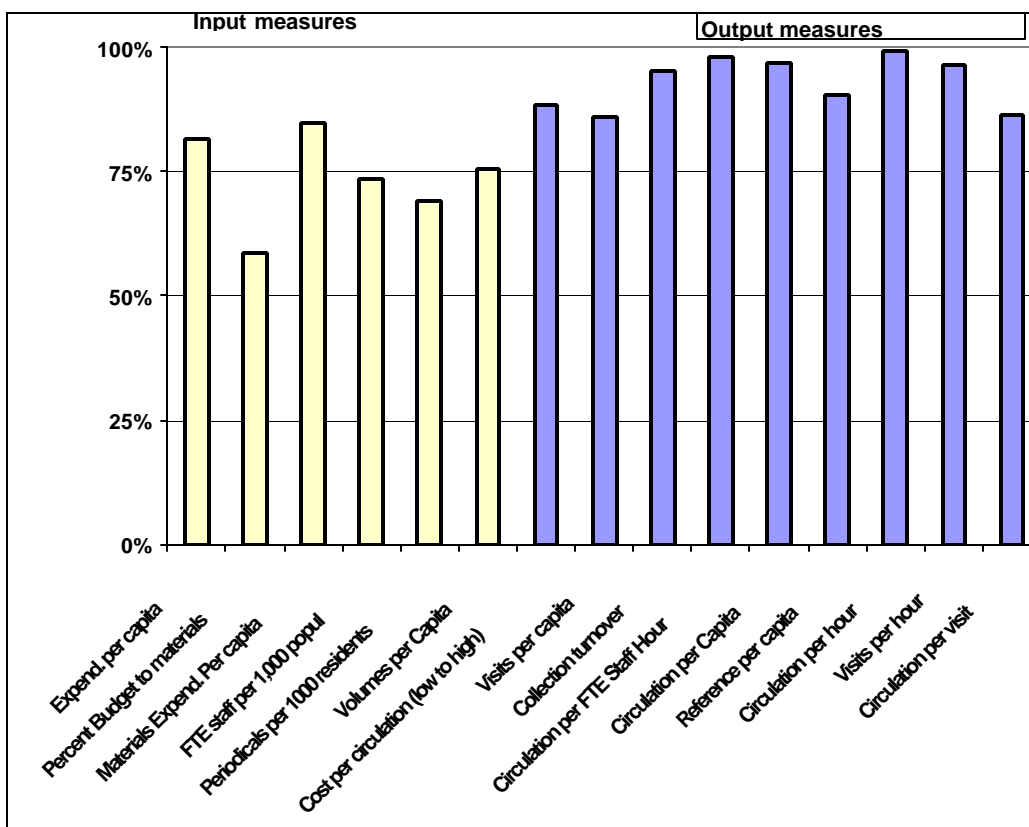
Hennen's American Public Library Rating Index ©

Waukesha Public Library

September 18, 1999

<i>Number of Libraries in this Population Category:</i>		508
HALPR Index Score for this Library		857
Rank of Libraries in this population category		5
Percentile		99%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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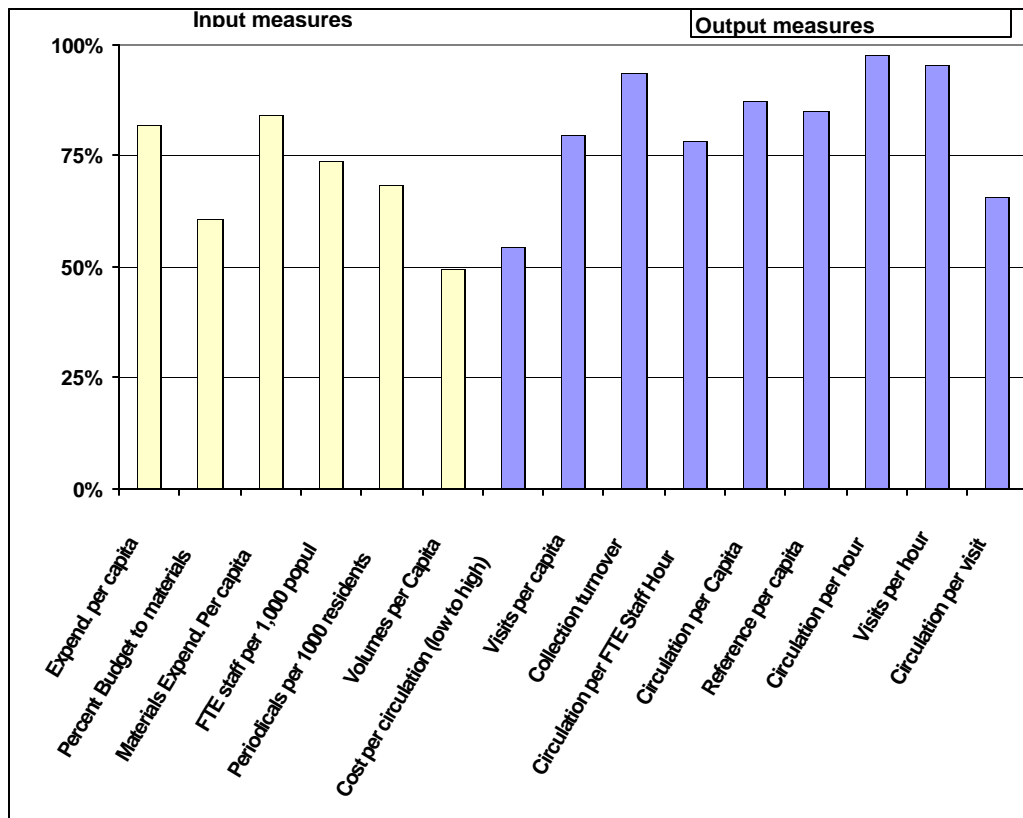
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Graph 2. Brookfield Public Library – 25K

Hennen's American Public Library Rating Index ©
Brookfield Public Library
 September 18, 1999

<i>Number of Libraries in this Population Category:</i>		861
HALPR Index Score for this Library		775
Rank of Libraries in this population category		53
Percentile		94%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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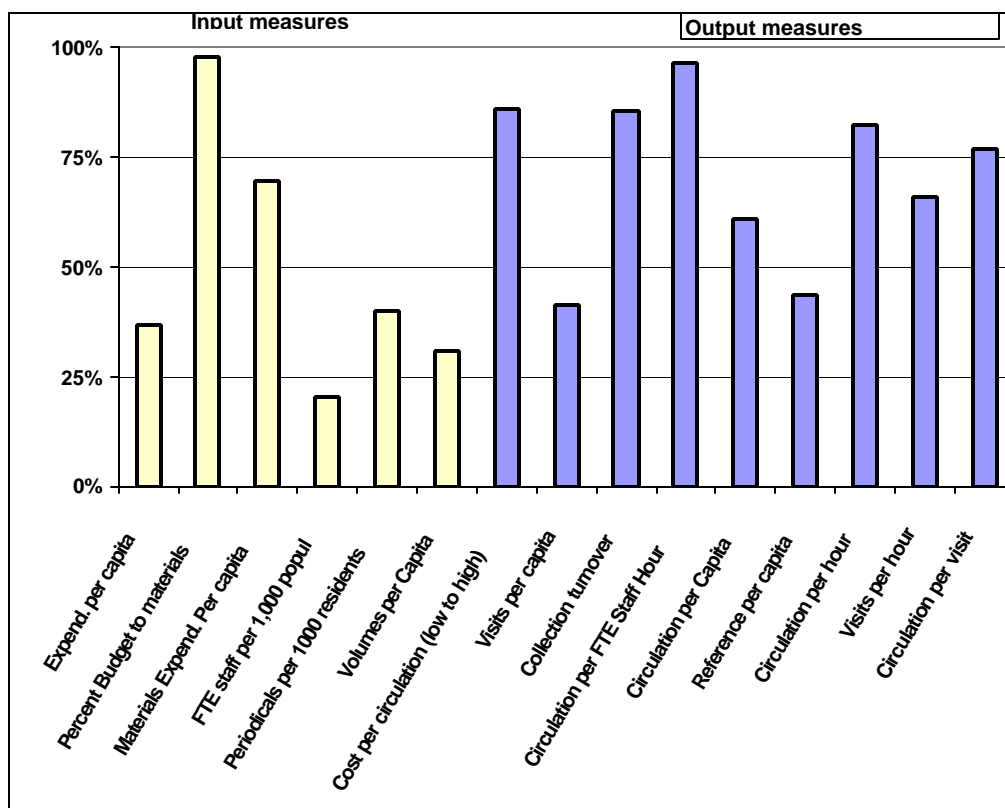
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Graph 3. New Berlin Public Library – 25 K

Hennen's American Public Library Rating Index ©
New Berlin Public Library
September 18, 1999

<i>Number of Libraries in this Population Category:</i>		<i>861</i>
HALPR Index Score for this Library		627
Rank of Libraries in this population category		233
Percentile		73%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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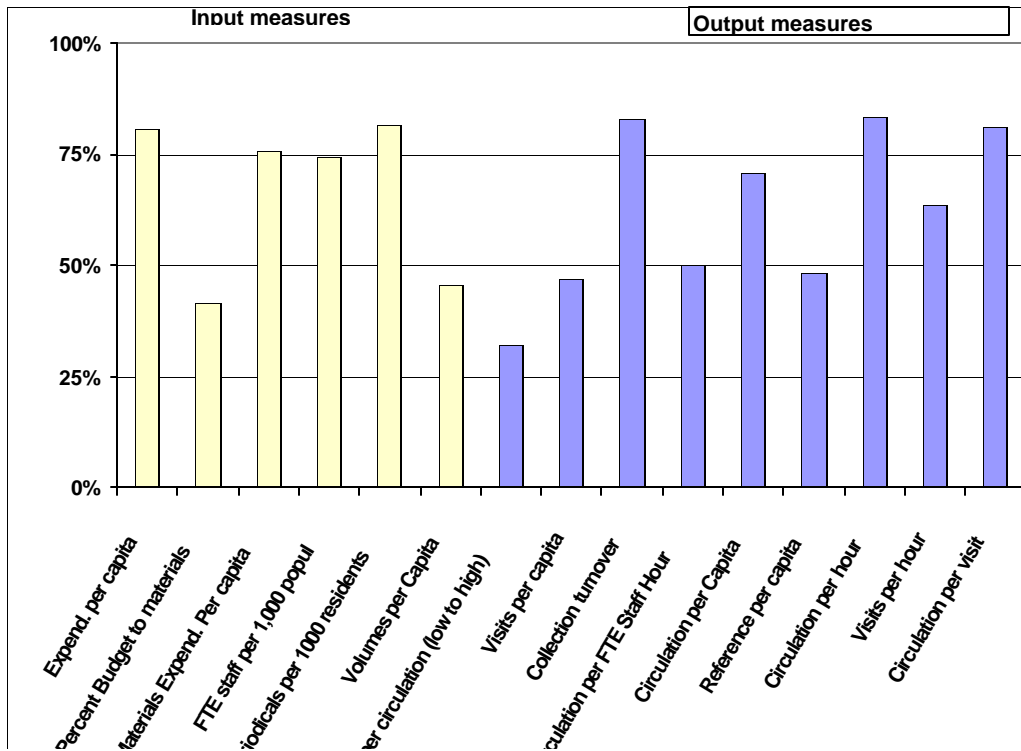
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Graph 4. Maude Shunk Library (Menomonee Falls) – 25 K

Hennen's American Public Library Rating Index ©
Maude Shunk Public Library
September 18, 1999

<i>Number of Libraries in this Population Category:</i>		<i>861</i>
HALPR Index Score for this Library		623
Rank of Libraries in this population category		246
Percentile		71%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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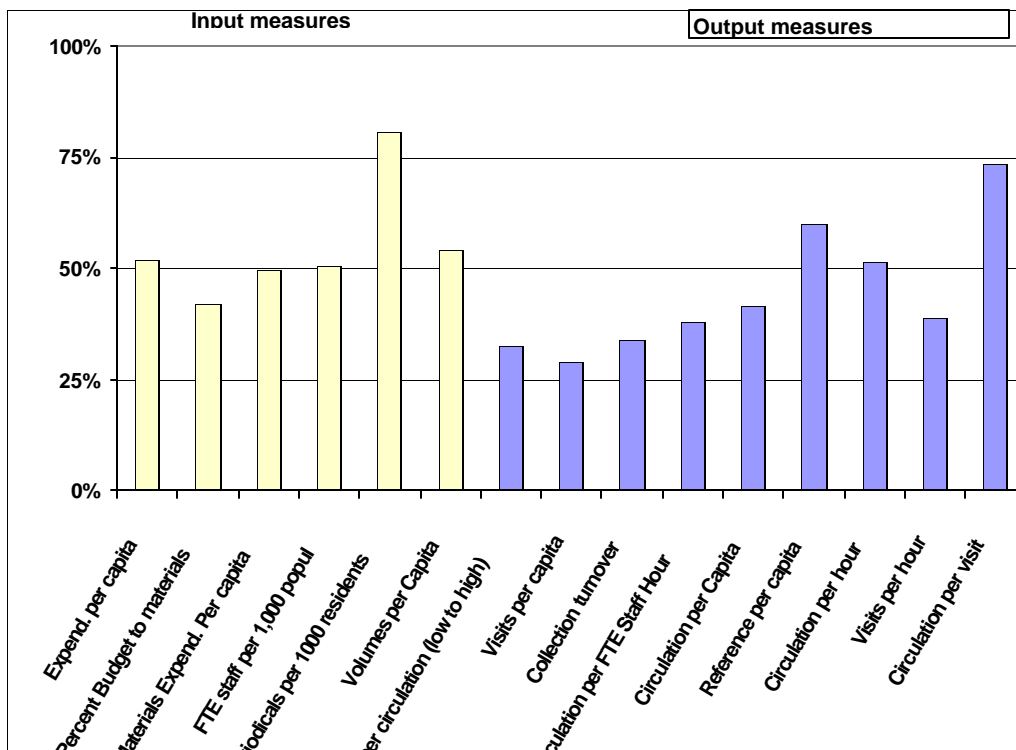
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Graph 5. Muskego Public Library – 25 K

Hennen's American Public Library Rating Index ©
Muskego Public Library
September 18, 1999

<i>Number of Libraries in this Population Category:</i>		<i>861</i>
HALPR Index Score for this Library		456
Rank of Libraries in this population category		506
Percentile		41%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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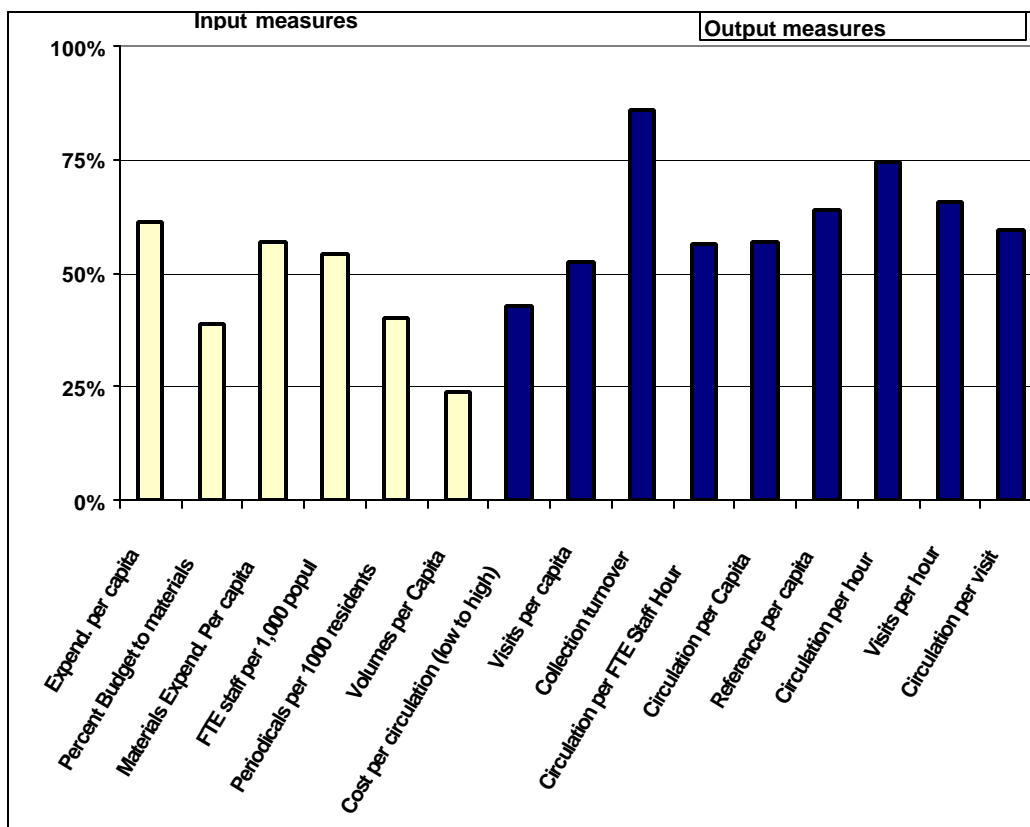
Graph 6. Pauline Haass (Sussex-Lisbon) 10K

Hennen's American Public Library Rating Index ©
Pauline Haass Public Library
September 18, 1999

Number of Libraries in this Population Category: 1672

HALPR Index Score for this Library	564
Rank of Libraries in this population category	645
Percentile	61%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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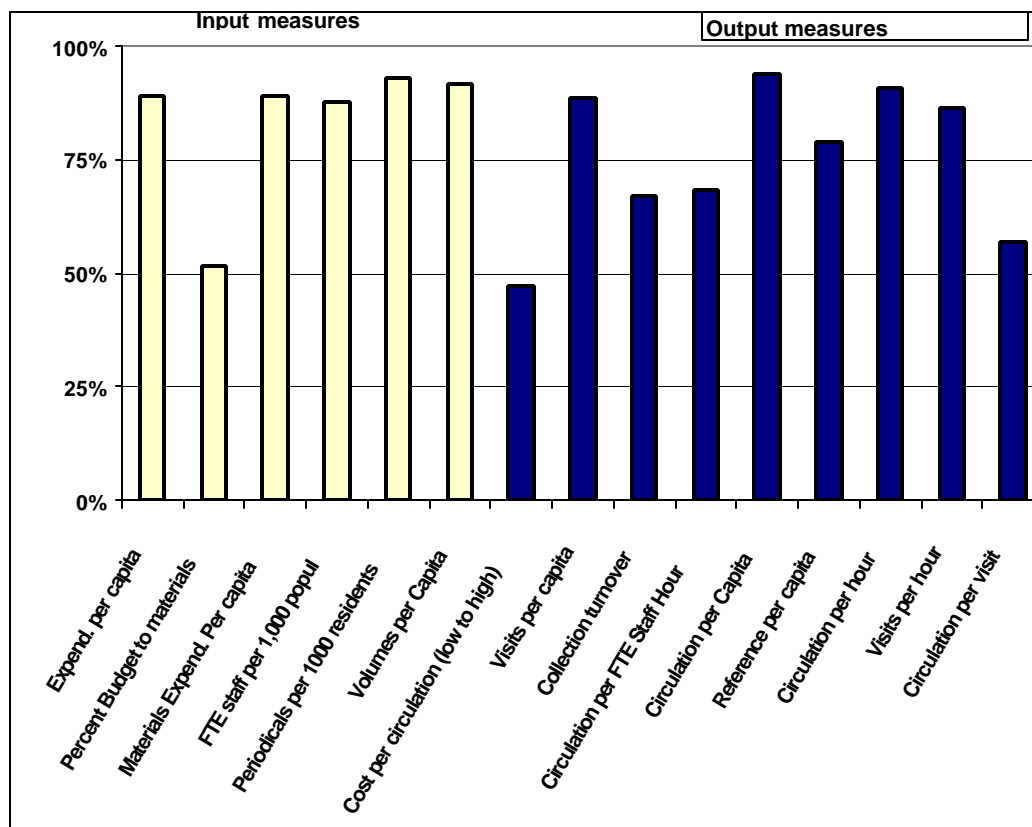
Graph 7. Oconomowoc Public Library 10K

Hennen's American Public Library Rating Index ©
Oconomowoc Public Library
September 18, 1999

Number of Libraries in this Population Category: 1672

HALPR Index Score for this Library	778
Rank of Libraries in this population category	69
Percentile	96%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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Graph 8. Hartland Public Library - 10K

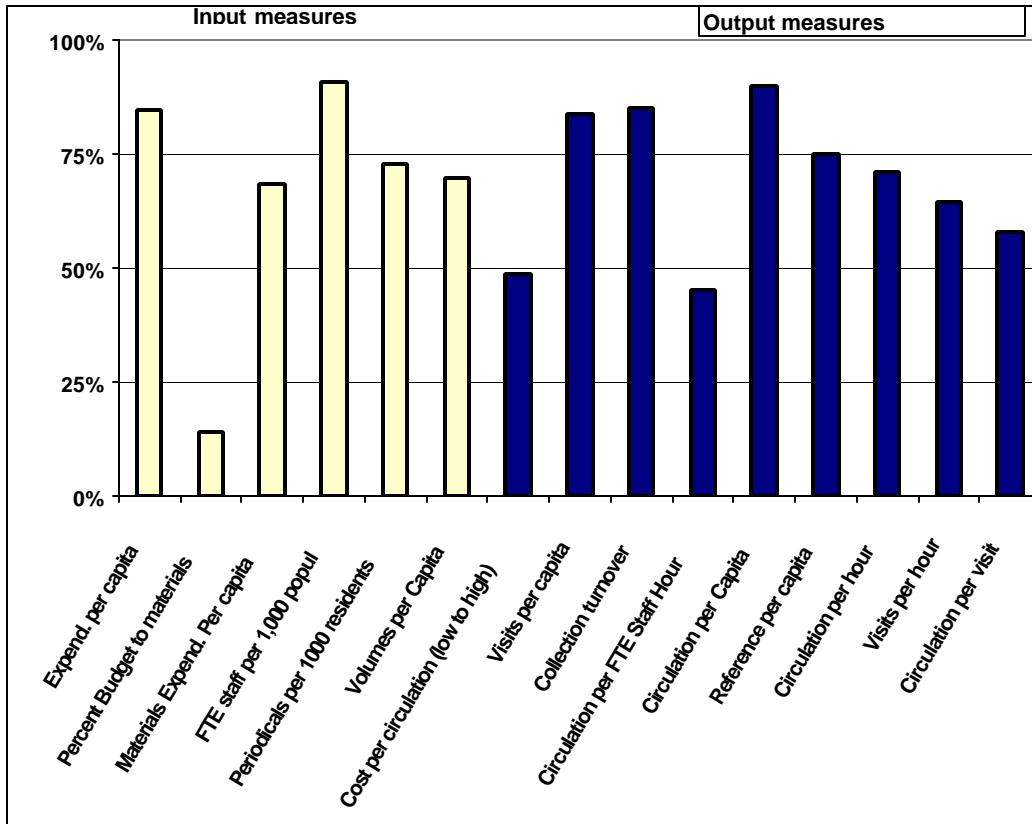
Hennen's American Public Library Rating Index ©
Hartland Public Library
September 18, 1999

Number of Libraries in this Population Category:

1672

HALPR Index Score for this Library	689
Rank of Libraries in this population category	262
Percentile	84%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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Graph 9. Town Hall Library (North Lake) - 5 K

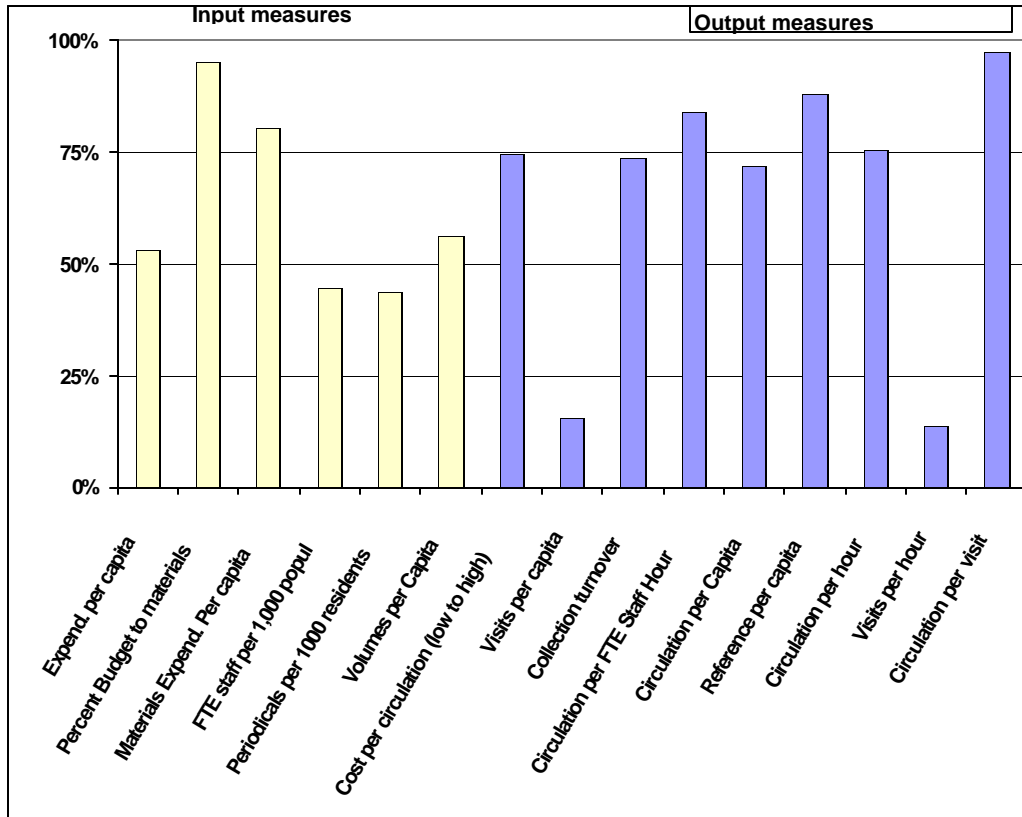
Hennen's American Public Library Rating Index ©

Town Hall Library

September 18, 1999

<i>Number of Libraries in this Population Category:</i>		1492
HALPR Index Score for this Library		644
Rank of Libraries in this population category		352
Percentile		76%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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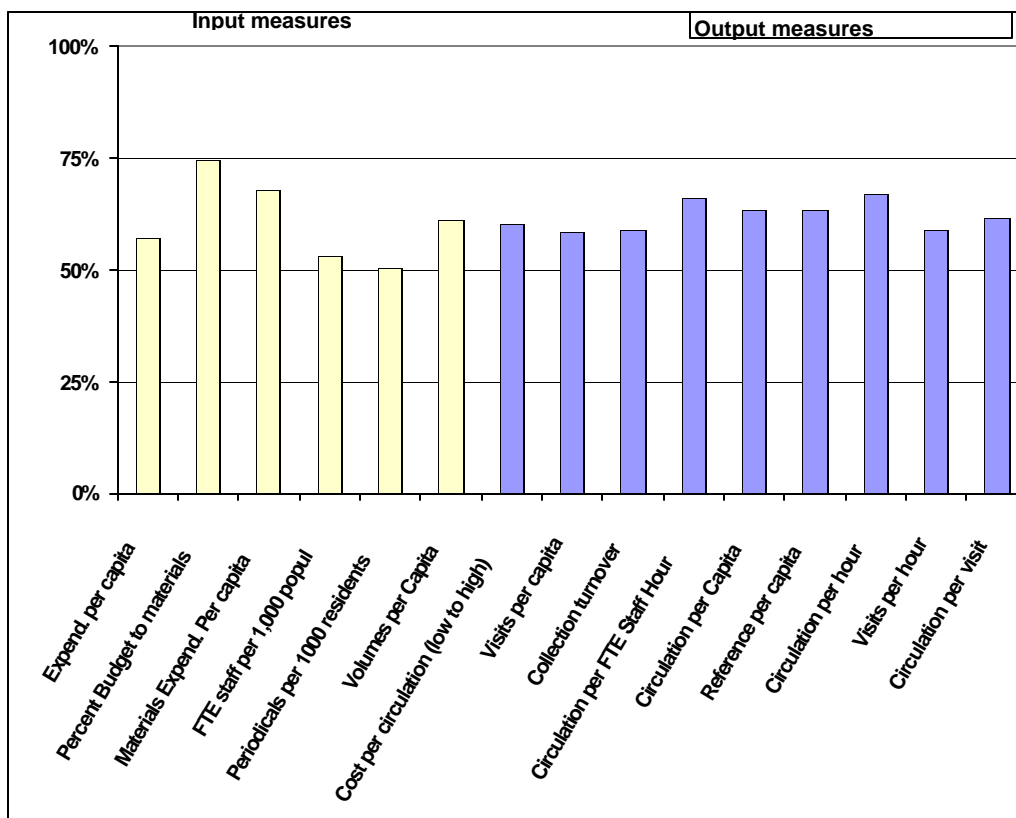
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Graph 10. Barbara Sanborn (Pewaukee) – 5 K

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Barbara Sanborn Public Library
September 18, 1999

<i>Number of Libraries in this Population Category:</i>		1492
HALPR Index Score for this Library		616
Rank of Libraries in this population category		422
Percentile		72%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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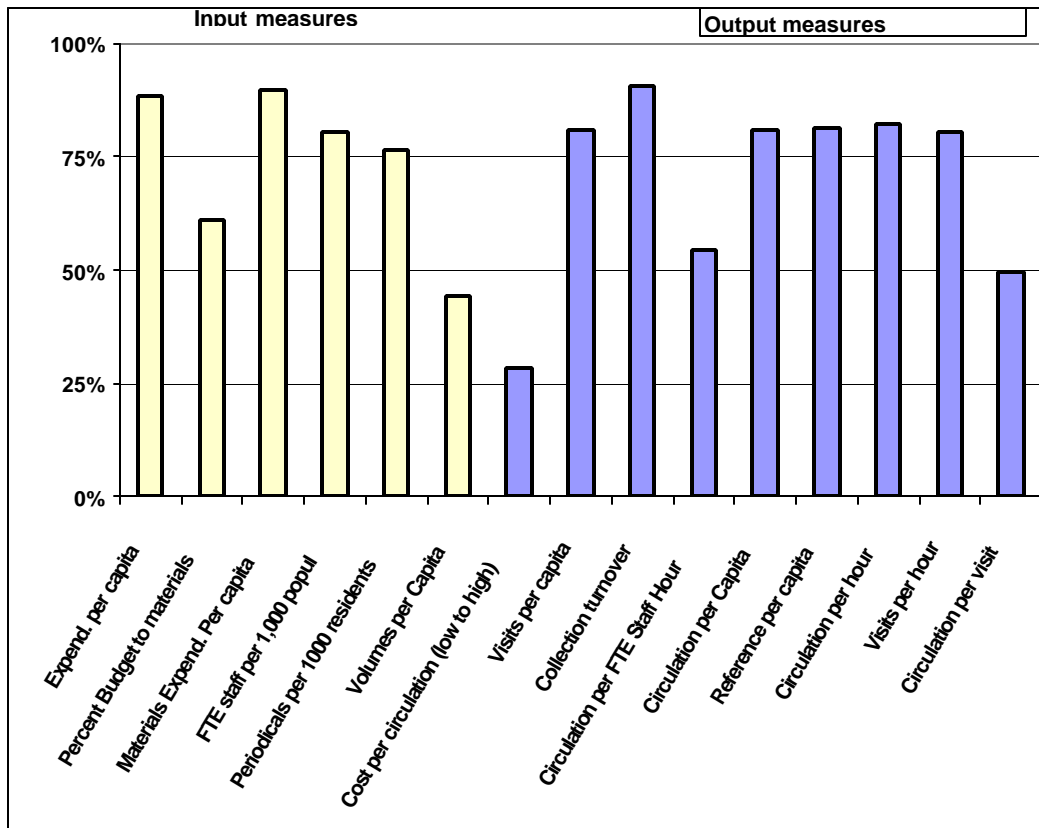
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Graph 11. Elm Grove Library – 5K

Hennen's American Public Library Rating Index ©
Elm Grove Public Library
September 18, 1999

<i>Number of Libraries in this Population Category:</i>	1492
HALPR Index Score for this Library	719
Rank of Libraries in this population category	173
Percentile	88%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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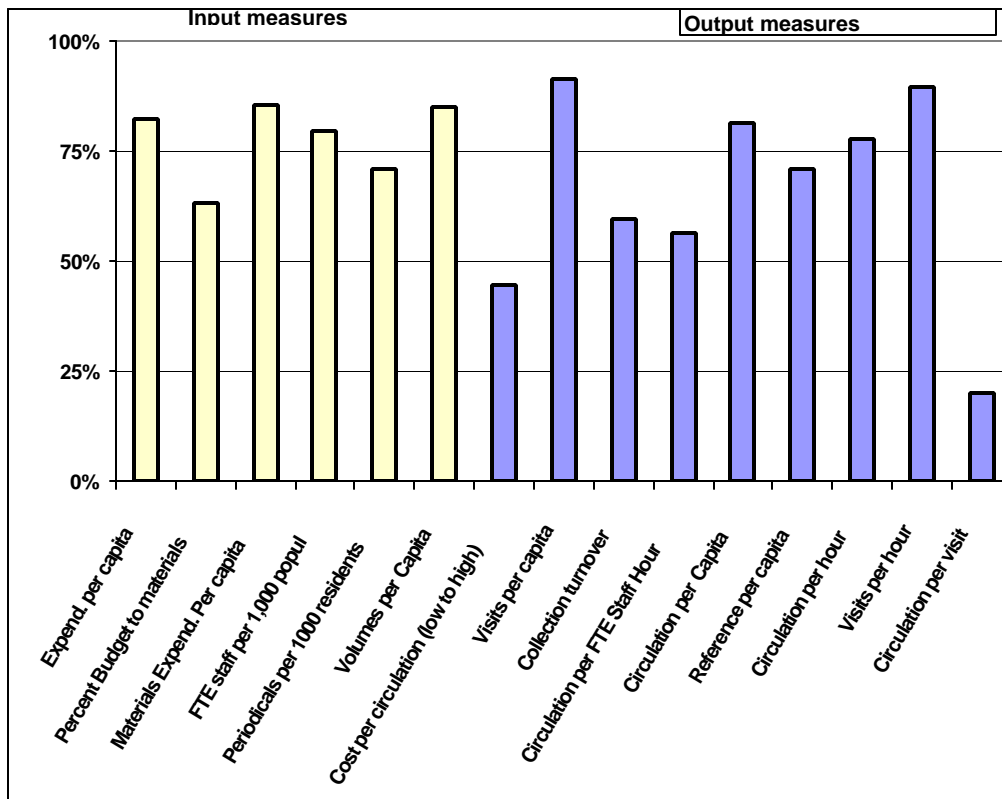
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Graph 12. Delafield Public Library - 5K

Hennen's American Public Library Rating Index ©
Delafield Public Library
September 18, 1999

<i>Number of Libraries in this Population Category:</i>		1492
HALPR Index Score for this Library		714
Rank of Libraries in this population category		183
Percentile		88%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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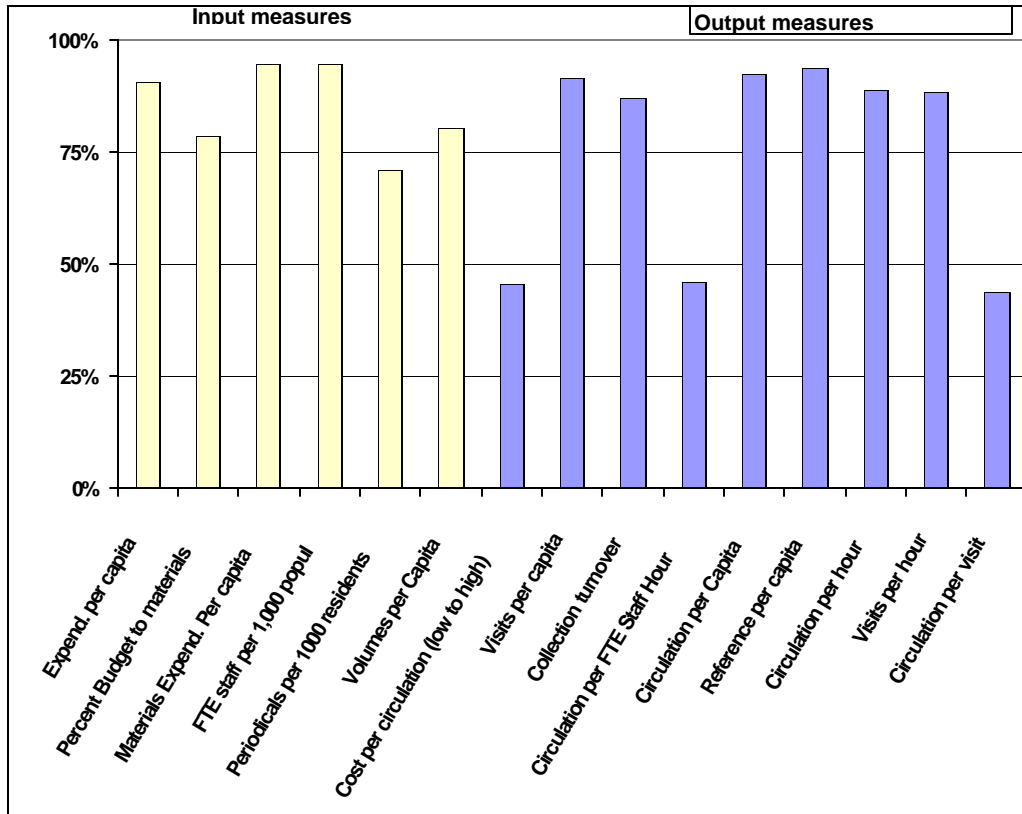
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Graph 13. Mukwonago Community Library – 5K

Hennen's American Public Library Rating Index ©
Mukwonago Community Library
 September 18, 1999

<i>Number of Libraries in this Population Category:</i>		1492
HALPR Index Score for this Library		801
Rank of Libraries in this population category		55
Percentile		96%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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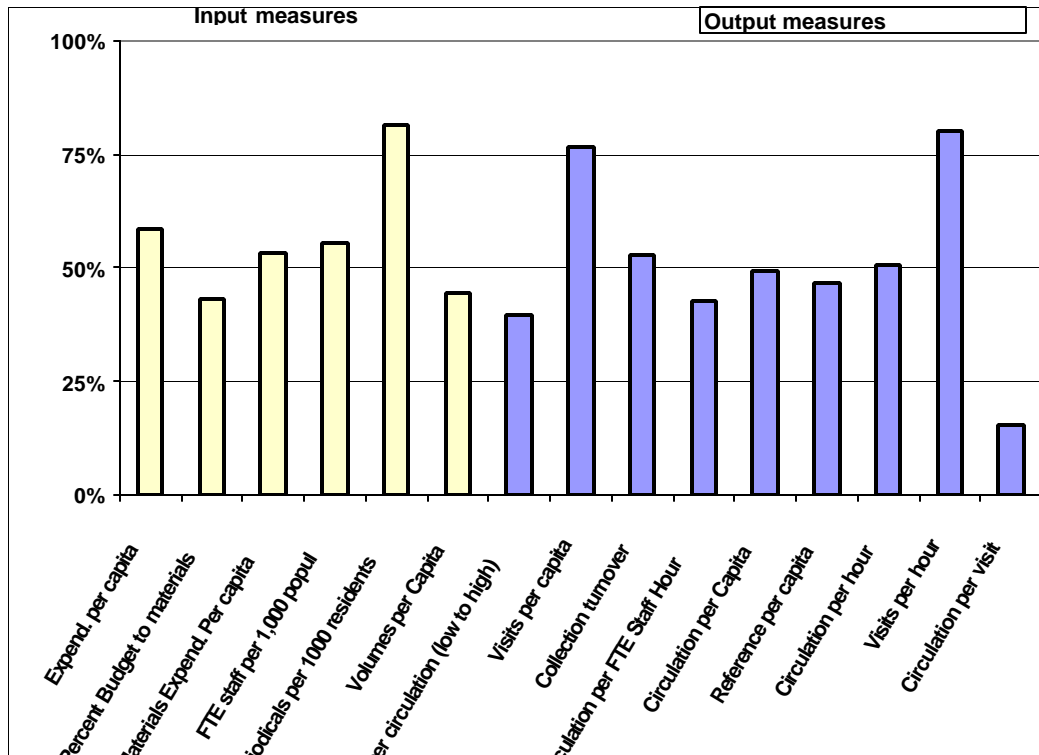
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Graph 14. Alice Baker (Eagle) Library –2.5K

Hennen's American Public Library Rating Index ©
Alice Baker Memorial Public Library
September 18, 1999

<i>Number of Libraries in this Population Category:</i>		1306
HALPR Index Score for this Library		528
Rank of Libraries in this population category		625
Percentile		52%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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Graph 15. Butler Public Library – 2.5 K

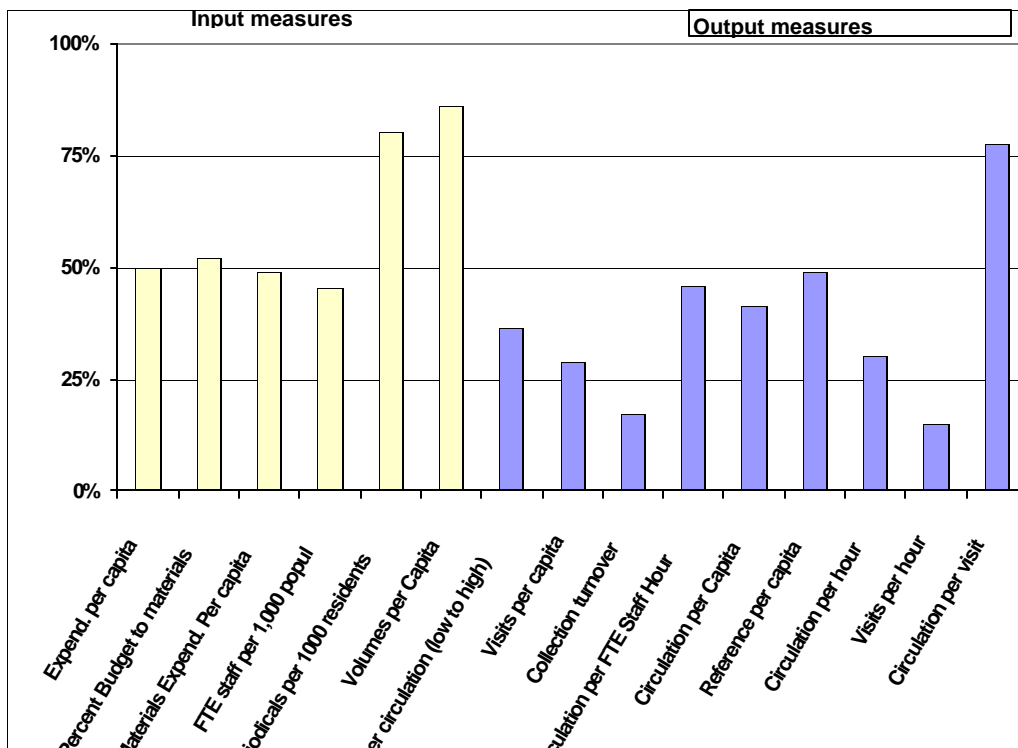
Hennen's American Public Library Rating Index ©

Butler Public Library

September 18, 1999

<i>Number of Libraries in this Population Category:</i>		<i>1306</i>
HALPR Index Score for this Library		436
Rank of Libraries in this population category		875
Percentile		33%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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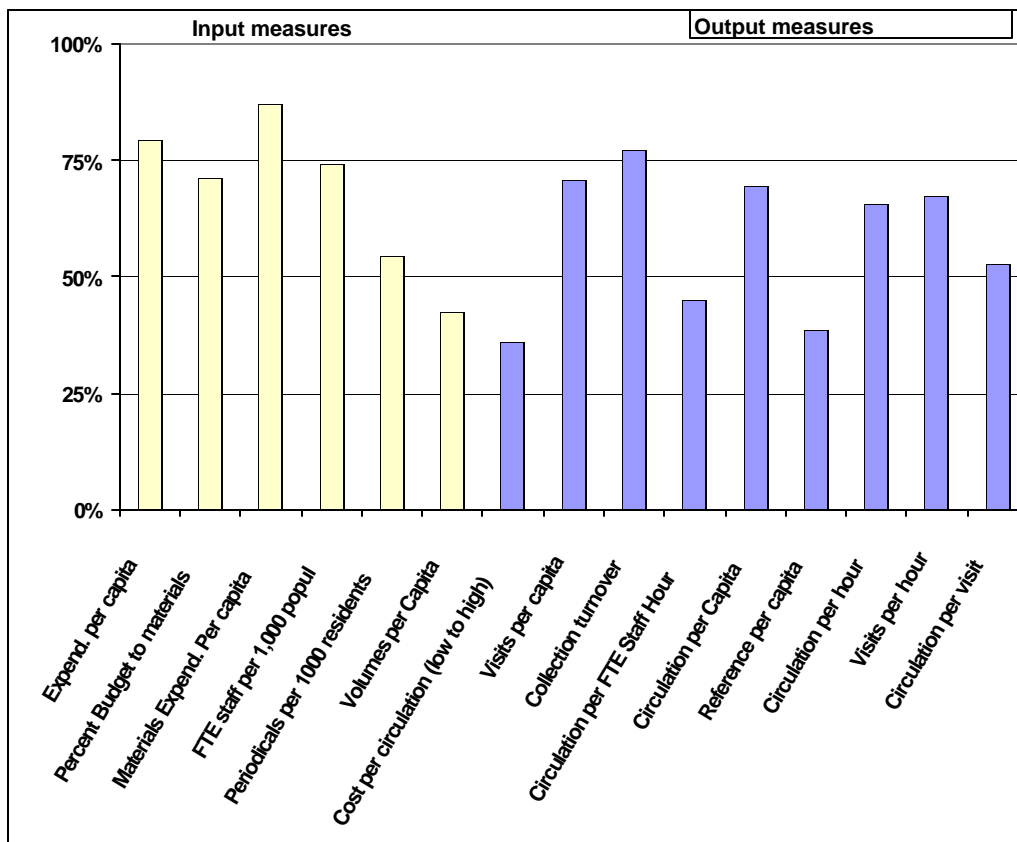
Graph 16. Big Bend Library – 1K

Hennen's American Public Library Rating Index ©
Big Bend Village Library
September 18, 1999

Number of Libraries in this Population Category: 1582

HALPR Index Score for this Library	632
Rank of Libraries in this population category	414
Percentile	74%

The graph below compares the library to comparable libraries throughout the country. For each factor the graph illustrates the library's percentile score. A 50th percentile score means half of all libraries in the group scored higher, half lower. The libraries in the population category were ranked with weighted scores for each factor to produce the composite HALPR Index score, rank and cumulative percentile noted above. Note that all factors are ranked from high to low EXCEPT cost per circulation. It is assumed that the best cost per circulation is the lowest cost. See Table 1 for detail of percentiles in this graph.



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Table 3 Percentile Comparisons for all Libraries in Population Grouping – 50K

Population of 50,000 to 99,999

Number of Libraries in this Population Category: 508

Measurement Category	HALPR Weight	75	50	25
Expend. per capita	3	\$26.28	\$15.28	\$9.66
Percent Budget to materials	2	17%	15%	12%
Materials Expend. Per capita	2	\$3.71	\$2.23	\$1.41
FTE staff per 1,000 popul	2	0.5	0.4	0.3
Periodicals per 1000 residents	1	7.2	5.0	3.1
Volumes per Capita	1	3.0	2.2	1.6
Cost per circulation (low to high)	3	\$2.39	\$2.99	\$4.05
Visits per capita	3	4.9	3.4	2.2
Collection turnover	2	3.4	2.4	1.7
Circulation per FTE Staff Hour	2	8.6	6.7	5.0
Circulation per Capita	2	8.1	4.9	3.2
Reference per capita	2	1.0	0.5	0.3
Circulation per hour	2	105.4	58.2	30.6
Visits per hour	1	72.1	40.8	19.5
Circulation per visit	1	2.0	1.6	1.2

Table 4 Percentile Comparisons for all Libraries in Population Grouping – 25 K

Population of 25,000 to 49,999

Number of Libraries in this Population Category: 861

Measurement Category	HALPR Weight	75	50	25
Expend. per capita	3	\$26.44	\$17.77	\$10.34
Percent Budget to materials	2	19%	15%	13%
Materials Expend. Per capita	2	\$4.31	\$2.65	\$1.53
FTE staff per 1,000 popul	2	0.6	0.4	0.3
Periodicals per 1000 residents	1	9.2	6.3	4.1
Volumes per Capita	1	3.5	2.5	1.8
Cost per circulation (low to high)	3	\$2.20	\$2.91	\$3.98
Visits per capita	3	5.9	3.9	2.2
Collection turnover	2	3.2	2.3	1.6
Circulation per FTE Staff Hour	2	8.8	6.7	5.0
Circulation per Capita	2	9.2	6.0	3.5
Reference per capita	2	1.0	0.5	0.3
Circulation per hour	2	83.7	49.9	27.2
Visits per hour	1	56.9	34.5	16.9
Circulation per visit	1	2.0	1.6	1.2

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Table 5 Percentile Comparisons for all Libraries in Population Grouping – 10 K

Population of 10,000 to 24,999

Number of Libraries in this Population Category: 1,672

Measurement Category	HALPR Weight	75	50	25
Expend. per capita	3	\$27.14	\$16.89	\$9.87
Percent Budget to materials	2	19%	16%	13%
Materials Expend. Per capita	2	\$4.56	\$2.73	\$1.49
FTE staff per 1,000 popul	2	0.7	0.5	0.3
Periodicals per 1000 residents	1	12.0	8.1	4.9
Volumes per Capita	1	4.2	3.1	2.2
Cost per circulation (low to high)	3	\$1.90	\$2.63	\$3.77
Visits per capita	3	6.2	3.9	2.4
Collection turnover	2	2.9	2.1	1.5
Circulation per FTE Staff Hour	2	9.1	6.8	5.1
Circulation per Capita	2	9.8	6.5	4.1
Reference per capita	2	0.9	0.5	0.2
Circulation per hour	2	51.6	33.5	20.8
Visits per hour	1	33.3	19.9	12.2
Circulation per visit	1	2.3	1.6	1.2

Table 6 Percentile Comparisons for all Libraries in Population Grouping – 5 K

Population of 5,000 to 9,999

Number of Libraries in this Population Category: 1,492

Measurement Category	HALPR Weight	75	50	25
Expend. per capita	3	\$24.69	\$15.34	\$9.37
Percent Budget to materials	2	21%	17%	14%
Materials Expend. Per capita	2	\$4.32	\$2.67	\$1.55
FTE staff per 1,000 popul	2	0.7	0.5	0.3
Periodicals per 1000 residents	1	15.7	10.4	6.3
Volumes per Capita	1	5.0	3.8	2.7
Cost per circulation (low to high)	3	\$1.72	\$2.43	\$3.34
Visits per capita	3	6.0	3.8	2.3
Collection turnover	2	2.4	1.8	1.3
Circulation per FTE Staff Hour	2	9.0	6.9	5.0
Circulation per Capita	2	9.9	6.6	4.1
Reference per capita	2	0.9	0.5	0.2
Circulation per hour	2	28.9	20.2	13.3
Visits per hour	1	17.9	11.9	7.6
Circulation per visit	1	2.3	1.7	1.2

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Table 7 Percentile Comparisons for all Libraries in Population Grouping – 2.5 K

Population of 2,5 00 to 4,999

Number of Libraries in this Population Category: 1,306

Measurement Category	HALPR Weight	75	50	25
Expend. per capita	3	\$21.34	\$13.61	\$8.66
Percent Budget to materials	2	25%	19%	14%
Materials Expend. Per capita	2	\$4.22	\$2.70	\$1.60
FTE staff per 1,000 popul	2	0.7	0.4	0.3
Periodicals per 1000 residents	1	19.6	13.1	8.1
Volumes per Capita	1	6.4	4.9	3.6
Cost per circulation (low to high)	3	\$1.57	\$2.17	\$3.09
Visits per capita	3	5.6	3.7	2.3
Collection turnover	2	1.9	1.3	0.9
Circulation per FTE Staff Hour	2	9.5	6.9	4.8
Circulation per Capita	2	9.8	6.5	4.0
Reference per capita	2	0.8	0.4	0.2
Circulation per hour	2	18.7	13.5	9.1
Visits per hour	1	11.0	7.5	5.0
Circulation per visit	1	2.3	1.7	1.3

Table 8 Percentile Comparisons for all Libraries in Population Grouping – 1 K

Population of 1,000 to 2,499

Number of Libraries in this Population Category: 1,582

Measurement Category	HALPR Weight	75	50	25
Expend. per capita	3	\$21.57	\$13.87	\$8.70
Percent Budget to materials	2	28%	21%	15%
Materials Expend. Per capita	2	\$4.72	\$3.06	\$1.76
FTE staff per 1,000 popul	2	0.8	0.5	0.3
Periodicals per 1000 residents	1	29.6	18.2	9.1
Volumes per Capita	1	9.4	7.1	5.2
Cost per circulation (low to high)	3	\$1.44	\$2.06	\$2.91
Visits per capita	3	5.9	3.8	2.4
Collection turnover	2	1.4	1.0	0.7
Circulation per FTE Staff Hour	2	9.3	6.8	4.5
Circulation per Capita	2	10.8	6.9	4.2
Reference per capita	2	0.9	0.4	0.1
Circulation per hour	2	13.9	9.3	6.1
Visits per hour	1	7.4	5.1	3.4
Circulation per visit	1	2.4	1.8	1.3

Waukesha County Federated Library System

APPENDIX DATA

Table 9 Explanation of Data Elements in the FSCS Measures

LIBID	Library ID number assigned by state library
LIBNAME	Library Name
ADDRESS	Address of the main library
CITY	City in which library is located
STABR	State
ZIP1	Five digit zip code
ZIP2	Extended zip code
PHONE	Phone number of main library
POPU	Population of library service area as assigned by state library
CENTLIB	Central Library
BRANLIB	Branch library
BKMOB	Bookmobile
MASTER	Librarians with masters degree
LIBRARIAN	Librarians without masters degree
OTHPAID	Other paid staff
TOTPEMP	Total staff
LOGVGT	Local government revenues
STGVT	State government revenue
FEDGVT	Federal government revenue
OTHINCM	Other income
TOTINCM	Total Income
SALARIES	Salary costs
BENEFIT	Benefit costs
TOTEXP	Total salaries and benefits expenditures
TOTEXPCOL	Total expenditures on library materials
OTHOPEXP	Expenditures on other
TOTOPEXP1	Total operating expenditures
CAPITAL	Capital expenditures
BKVOL	Book volumes owned
AUDIO	Audio items owned
VIDEO	Video items owned
SUBSCRIPT	Subscriptions to periodicals
DUPLI	Hours open at all service outlets
ATTEND	Annual visits to the library
REFERENCE	Reference questions answered
TOTCIR	Total Circulation
LOANTO	Interlibrary loans to the library
LOANFM	Interlibrary loans from the library
KIDCIRCL	Children's circulation
KIDATTEND	Attendance at children's programs

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Sources for Further Information:

1. "*Great American Public Libraries: HAPLR Ratings, Round Two,*" by Thomas J. Hennen Jr. in **American Libraries** magazine. September 1999. Pages 64 to 67. Columbus Metropolitan Library is ranked number 1 nationally in the over 500,000-population group.
2. "*Go Ahead, Name Them: America's Best Public Libraries.*" By Thomas J. Hennen Jr. **American Libraries** magazine. January 1999. Pages 72 to 76. Columbus Metropolitan Library is ranked number 3 nationally in the over 100,000-population group.
3. *Hennen's American Public Library Rating Index Home Page*
<http://haplr-index.com>
The author has a home page on the World Wide Web with further information on the rankings and scoring for libraries. It also includes ordering information for individualized ratings for public libraries.
4. *Federal-State Cooperative System*
<http://nces.ed.gov/surveys/public.html#contents>
Nationwide public library statistics are collected and disseminated annually through the Federal-State Cooperative System for public library data (FSCS). FSCS completed the collection of 1991 data in July 1992. Statistics are collected from nearly 9,000 public libraries.
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