

To: Adam Freihoefer, Wisconsin Department of Natural Resources
From: Andrew Behm, Ruekert Mielke
Date: January 30, 2018
Re: Racine Water Utility Volumes 1995 through 2016

The attached tables give the volume of water that the Racine Water Utility (RWU) pumped from Lake Michigan; pumped into the distribution system; and sold to residential, commercial, industrial, public authority, and wholesale customers. Utility-wide measures of annual volume fell between 30 and 37 percent from 1995 through 2016.

RWU's annual reports to the Public Service Commission provided the data in the attached tables. The Public Service Commission form for reporting the volume of water used in the treatment process varied over time. The values shown here should be consistent and comparable across years for practical purposes. RWU reported multi-family residential sales in the commercial class until mid-2014. Daily averages do not account for leap years.

Thanks.

Annual Volume (Million Gallons per Day)

Year	Residential	Commercial	Industrial	Public			Total Sales	Entering Distribution	Pumped from Source
				Authority	Multi-Family	Wholesale			
1995	6.2	2.9	10.5	0.7	n/a	1.8	22.1	24.2	26.1
1996	6.0	2.9	10.2	0.7	n/a	1.9	21.6	23.1	24.1
1997	5.8	2.6	9.7	0.7	n/a	1.7	20.5	22.5	23.4
1998	5.8	2.9	9.9	0.8	n/a	1.9	21.4	23.8	24.8
1999	6.0	2.9	9.5	0.9	n/a	2.0	21.3	24.1	25.5
2000	5.5	2.7	9.1	0.8	n/a	2.1	20.2	22.8	24.8
2001	5.6	2.8	9.3	0.8	n/a	2.1	20.6	23.5	25.3
2002	5.7	2.7	9.9	0.8	n/a	2.3	21.4	22.6	24.8
2003	5.6	2.7	8.4	0.9	n/a	2.2	19.7	22.4	24.0
2004	5.3	2.6	8.0	0.8	n/a	2.1	18.7	22.0	23.4
2005	5.7	2.7	7.3	0.7	n/a	2.4	18.8	22.0	22.8
2006	5.3	2.6	8.2	0.9	n/a	2.2	19.1	21.2	22.4
2007	5.1	2.6	8.0	1.1	n/a	1.7	18.5	21.5	23.0
2008	5.2	2.6	7.9	0.8	n/a	1.5	18.1	21.4	22.1
2009	5.0	2.3	6.7	0.9	n/a	1.4	16.2	20.2	20.9
2010	4.9	2.5	5.6	0.8	n/a	1.3	15.0	18.2	18.7
2011	5.0	2.4	5.6	0.8	n/a	1.3	15.1	18.6	19.2
2012	5.2	2.6	5.4	0.8	n/a	1.4	15.4	18.3	18.8
2013	4.7	2.4	4.5	0.7	n/a	1.2	13.5	16.6	17.2
2014	4.6	1.9	4.6	0.7	0.4	1.1	13.4	16.6	17.1
2015	4.6	1.4	4.3	0.7	0.9	1.0	13.0	16.1	16.6
2016	4.6	1.5	5.1	0.8	1.0	1.0	14.0	16.9	17.4
Change 1995-2016	-25%	-15%	-51%	6%	n/a	-43%	-37%	-30%	-34%

Annual Volume (Million Gallons per Year)

Year	Residential	Commercial	Industrial	Public			Total Sales	Entering Distribution	Pumped from Source
				Authority	Multi-Family	Wholesale			
1995	2,246	1,074	3,825	262	n/a	660	8,068	8,817	9,542
1996	2,178	1,068	3,707	261	n/a	677	7,891	8,423	8,793
1997	2,099	964	3,532	262	n/a	625	7,483	8,197	8,545
1998	2,108	1,068	3,629	304	n/a	691	7,799	8,672	9,063
1999	2,188	1,062	3,463	327	n/a	729	7,770	8,780	9,292
2000	2,003	973	3,338	302	n/a	751	7,367	8,335	9,059
2001	2,046	1,013	3,399	299	n/a	775	7,532	8,566	9,229
2002	2,066	1,003	3,619	286	n/a	847	7,821	8,264	9,047
2003	2,033	974	3,064	324	n/a	806	7,201	8,189	8,746
2004	1,923	937	2,906	286	n/a	781	6,832	8,034	8,558
2005	2,072	977	2,676	273	n/a	861	6,858	8,040	8,315
2006	1,920	945	2,986	328	n/a	795	6,974	7,731	8,168
2007	1,872	942	2,917	392	n/a	618	6,741	7,850	8,409
2008	1,905	952	2,894	308	n/a	546	6,606	7,795	8,064
2009	1,824	857	2,428	312	n/a	496	5,918	7,376	7,620
2010	1,790	899	2,038	293	n/a	468	5,487	6,633	6,842
2011	1,824	892	2,028	281	n/a	487	5,512	6,777	6,998
2012	1,909	958	1,979	281	n/a	507	5,634	6,671	6,880
2013	1,714	861	1,644	273	n/a	427	4,920	6,045	6,260
2014	1,678	688	1,683	267	158	412	4,886	6,061	6,241
2015	1,667	528	1,580	256	338	359	4,728	5,880	6,058
2016	1,687	533	1,860	278	374	379	5,111	6,152	6,333