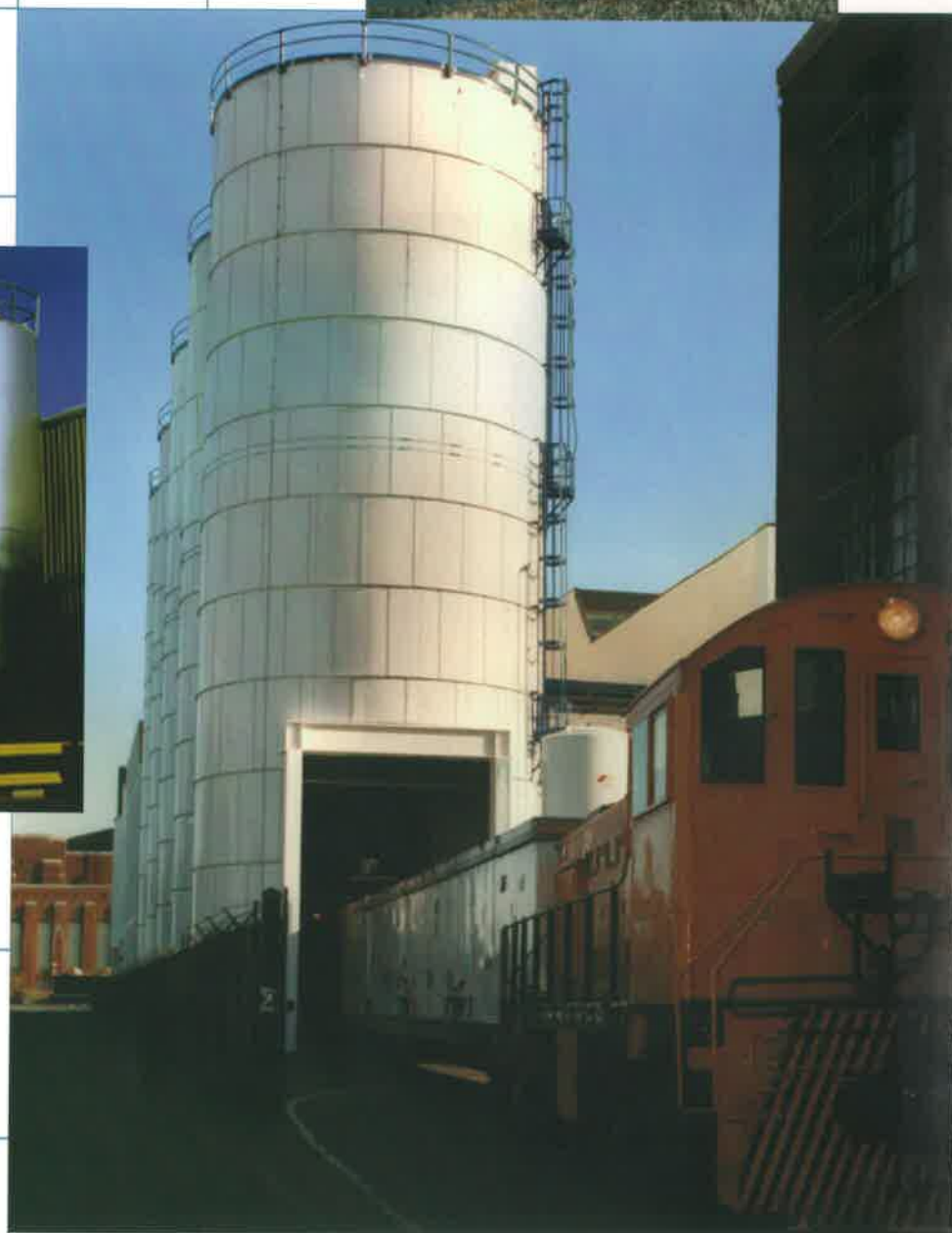




CAPACITY CHARTS

- Bolted Liquid Storage
- Welded Liquid Storage
- Bolted Dry Bulk Storage
- Grain Storage Tank
- Factory Welded Tank



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Bolted Dry Bulk Storage Tanks - Capacity Chart

Nominal Size (Feet)					Nominal Size (Feet)					Nominal Size (Feet)				
Diam	Eave Height	Capacity - Level Full (In Cubic Feet)****			Diam	Eave Height	Capacity - Level Full (In Cubic Feet)****			Diam	Eave Height	Capacity - Level Full (In Cubic Feet)****		
		Flat Without Bottom	45 Degree Hopper	60 Degree Hopper			Flat Without Bottom	45 Degree Hopper	60 Degree Hopper			Flat Without Bottom	45 Degree Hopper	60 Degree Hopper
9	24	1620	1191	1065	21	24	8801	4972	3189	38	32	37785	18773	8813
	32	2160	1731	1605		32	11735	7906	6123		40	47231	28219	18259
	40	2700	2271	2145		40	14669	10840	9057		48	56677	37665	27705
	48	3240	2811	2685		48	17603	13774	11991		56	66123	47111	37151
	56	3780	3351	3225		56	20537	16708	14925		64	75569	56557	46597
	64	4320	3891	3765		64	23471	19642	17859		72	85015	66003	56043
	72	4860	4431	4305		72	26405	22576	20793		80	94461	75449	65489
	80	5400	4971	4845		80	29339	25510	23727		88	103907	84895	74935
	88	5940	5511	5385		88	32273	28444	26661		96	113353	94341	84381
96	6480	6051	5925	96	35207	31378	29595	41	32	43814	20382	7097		
24	2887	1993	1679	32	17313	10830	7600		40	54767	31335	18050		
32	3846	2952	2638	40	21641	15158	11928		48	65720	42288	29003		
40	4805	3911	3597	48	25969	19486	16256		56	76673	53241	39956		
48	5764	4870	4556	56	30297	23814	20584		64	87626	64194	50909		
56	6723	5829	5515	64	34625	28142	24912		72	98579	75147	61862		
64	7682	6788	6474	72	38953	32470	29240		80	109532	86100	72815		
72	8641	7747	7433	80	43281	36798	33568		88	120485	97053	83768		
80	9600	8706	8392	88	47609	41126	37896		96	131438	108006	94721		
88	10559	9665	9351	96	51937	45454	42224	47	32	57196	23104	3173		
96	11518	10624	10310	32	22342	13154	8381		40	71494	37402	17471		
24	4497	2921	2290	40	27927	18739	13966		48	85792	51700	31769		
32	5996	4420	3789	48	33512	24324	19551		56	100090	65998	46067		
40	7495	5919	5288	56	39097	29909	25136		64	114388	80296	60365		
48	8994	7418	6787	64	44682	35494	30721		72	128686	94594	74663		
56	10493	8917	8286	72	50267	41079	36306		80	142984	108892	88961		
64	11992	10416	9785	80	55852	46664	41891		88	157282	123190	103259		
72	13491	11915	11284	88	61437	52249	47476		96	171580	137488	117557		
80	14990	13414	12783	96	67022	57834	53061	55	40	95632				
88	16489	14913	14282	32	27049	15081	8697		48	114758				
96	17988	16412	15781	40	33811	21843	15459		56	133884				
24	6480	3929	2821	48	40573	28605	22221		64	153010				
32	8640	6089	4981	56	47335	35367	28983		72	172136				
40	10800	8249	7141	64	54097	42129	35745		80	191262				
48	12960	10409	9301	72	60859	48891	42507		88	210388				
56	15120	12569	11461	80	67621	55653	49269		96	229514				
64	17280	14729	13621	88	74383	62415	56031							
72	19440	16889	15781	96	81145	69177	62793							
80	21600	19049	17941											
88	23760	21209	20101											
96	25920	23369	22261											

****Based on minimum hopper clearance from base of tank - approx. 2.5'



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Grain Tank - Capacity Chart

Nominal Size (In Feet)				Nominal Size (In Feet)			
Diam	Eave Height	Air Volume / Capacity (cu ft)		Diam	Eave Height	Air Volume / Capacity (cu ft)	
		45 Degree Hopper	60 Degree Hopper			45 Degree Hopper	60 Degree Hopper
38	40	51523	472	74	40	205528	484
	48	60969	768		48	240449	780
	56	70415	1064		56	275370	1076
	64	79861	1360		64	310291	1372
	72	89307	1656		72	345212	1668
	80	98753	1952		80	380133	1964
88	108199	2248	88	415054	2260		
96	117645	2544	96	449975	2556		
46	40	74606	2840	80	40	242633	2852
	48	88054	3136		48	283365	3148
	56	101502	3432		56	324097	3444
	64	114950	3728		64	364829	3740
	72	128398	4024		72	405561	4036
	80	141846	4320		80	446293	4332
88	155294	4616	88	487025	4628		
96	168742	4912	96	527757	4924		
55	40	108118	5208	89	40	304850	5216
	48	127239	5504		48	355183	5512
	56	146360	5800		56	405516	5808
	64	165481	6096		64	455849	6104
	72	184602	6392		72	506182	6400
	80	203723	6688		80	556515	6696
88	222844	6984	88	606848	6992		
96	241965	7280	96	657181	7288		
60	40	127559	5604	103	40	375402	5612
	48	149908	5900		48	436248	5908
	56	172257	6196		56	497094	6204
	64	194606	6492		64	557940	6500
	72	216955	6788		72	618786	6796
	80	239304	7084		80	679632	7092
88	261653	7380	88	740478	7388		
96	284002	7676	96	801324	7684		
68	40	171859	6000	113	40	512666	6008
	48	201415	6300		48	592740	6304
	56	230971	6600		56	672814	6600
	64	260527	6900		64	752888	6896
	72	290083	7200		72	832962	7192
	80	319639	7500		80	913036	7488
88	349195	7800	88	993110	7784		
96	378751	8100	96	1073184	8080		
80	40	201415	6400	118	40	570635	6408
	48	230971	6700		48	659355	6704
	56	260527	7000		56	748075	7000
	64	290083	7300		64	836795	7296
	72	319639	7600		72	925515	7592
	80	349195	7900		80	1014235	7888
88	378751	8200	88	1102955	8184		
96	408307	8500	96	1191675	8480		
90	40	230971	6800	123	40	628604	6808
	48	260527	7100		48	727324	7104
	56	290083	7400		56	826044	7400
	64	319639	7700		64	924764	7696
	72	349195	8000		72	1023484	7992
	80	378751	8300		80	1122204	8288
88	408307	8600	88	1220924	8584		
96	437863	8900	96	1319644	8880		

Factory Welded Tanks - Capacity Chart

Nominal Size (In Feet)				Nominal Size (In Feet)				
Diam	Eave Height	Capacity - Level Full (In Cubic Feet)****		Diam	Eave Height	Capacity - Level Full (In Cubic Feet)****		
		45 Degree Hopper	60 Degree Hopper			45 Degree Hopper	60 Degree Hopper	
8	18	472	484	12	18	1130	883	
	24	768	780		24	1793	1546	
	30	1064	1076		30	2456	2209	
	36	1360	1372		36	3119	2872	
	42	1656	1668		42	3782	3535	
	48	1952	1964		48	4445	4198	
	54	2248	2260		54	5108	4861	
	60	2544	2556		60	5771	5524	
	66	2840	2852		66	6434	6187	
9	72	3136	3148	13	72	7097	6850	
	78	3432	3444		78	7760	7513	
	84	3728	3740		84	8423	8176	
	18	607	612		14	18	1327	962
	24	986	991			24	2102	1737
	30	1365	1370			30	2877	2512
	36	1744	1749			36	3652	3287
	42	2123	2128			42	4427	4062
	48	2502	2507			48	5202	4837
54	2881	2886	54	5977		5612		
60	3260	3265	60	6752		6387		
66	3639	3644	66	7527		7162		
10	72	4018	4023	15	72	8302	7937	
	78	4397	4402		78	9077	8712	
	84	4776	4781		84	9852	9487	
	18	768	771		16	18	1489	1028
	24	1236	1178			24	2389	1928
	30	1704	1646			30	3289	2828
	36	2172	2114			36	4189	3728
	42	2640	2582			42	5089	4628
	48	3108	3050			48	5989	5528
54	3576	3518	54	6889		6428		
60	4044	3986	60	7789		7328		
66	4512	4454	66	8689		8228		
11	72	4980	4922	17	72	9589	9128	
	78	5448	5390		78	10489	10028	
	84	5916	5858		84	11389	10928	
	18	945	803		18	18	1652	1078
	24	1507	1365			24	2688	2114
	30	2069	1927			30	3724	3150
	36	2631	2489			36	4760	4186
	42	3193	3051			42	5796	5222
	48	3755	3613			48	6832	6258
54	4317	4175	54	7868		7294		
60	4879	4737	60	8904		8330		
66	5441	5299	66	9940		9366		
12	72	6033	5861	19	72	10976	10402	
	78	6595	6423		78	12012	11438	
	84	7157	6985		84	13048	12474	

****Based on minimal hopper clearance from base of tank - approx 2.5'

Columbian TecTank Liquid (Bolted) Capacity Chart

Freeboard 0 inches			Units = US Gallons																				
Model Diam	Model Ht	Actual Ht (ft)	8	10	16	18	20	24	26	28	30	32	40	48	56	64	72	80	88	96	104	112	120
		8.06	10.00	16.12	18.06	20.00	24.18	26.12	28.06	30.00	32.24	40.21	48.25	56.46	64.54	72.63	80.60	88.66	96.72	104.78	112.84	120.90	
		Capacity per 12" Ht																					
9	9.231	501	4,035	5,007	8,071	9,042	10,013	12,106	13,077	14,049	15,020	16,141	20,131	24,157	28,267	32,314	36,361	40,354	44,389	48,424	52,460	56,495	60,530
12	12.308	890	7,174	8,901	14,348	16,075	17,801	21,522	23,249	24,975	26,702	28,696	35,788	42,946	50,252	57,447	64,641	71,740	78,914	86,088	93,262	100,436	107,610
15	15.385	1,391	11,209	13,907	22,419	25,117	27,815	33,628	36,326	39,024	41,722	44,837	55,919	67,103	78,519	89,760	101,002	112,093	123,303	134,512	145,721	156,931	168,140
18	18.462	2,003	16,141	20,027	32,283	36,168	40,053	48,424	52,309	56,195	60,080	64,566	80,524	96,628	113,067	129,255	145,443	161,414	177,556	193,697	209,839	225,980	242,121
21	21.539	2,726	21,970	27,258	43,941	49,229	54,517	65,911	71,199	76,487	81,775	87,881	109,602	131,522	153,896	175,930	197,964	219,703	241,673	263,643	285,614	307,584	329,554
24	24.616	3,560	28,696	35,603	57,392	64,299	71,206	86,088	92,995	99,902	106,808	114,784	143,153	171,784	201,008	229,787	258,566	286,959	315,655	344,351	373,046	401,742	430,438
26	26.154	4,019	32,394	40,191	64,787	72,584	80,381	97,181	104,978	112,775	120,572	129,575	161,600	193,920	226,910	259,398	291,885	323,937	356,331	388,725	421,118	453,512	485,906
29	29.709	5,186	41,798	51,859	83,597	93,658	103,718	125,395	135,456	145,517	155,578	167,194	208,517	250,221	292,788	334,708	376,627	417,985	459,783	501,582	543,380	585,179	626,977
32	32.680	6,275	50,576	62,750	101,153	113,326	125,500	151,729	163,903	176,076	188,250	202,306	252,307	302,769	354,276	404,999	455,722	505,765	556,341	606,918	657,494		
38	38.662	8,783	70,787	87,825	141,574	158,612	175,650	212,361	229,399	246,437	263,475	283,148	353,130	423,756	495,845	566,837	637,829	707,870	778,656				
41	41.592	10,164	81,923	101,641	163,845	183,564	203,282	245,768	265,486	285,205	304,923	327,691	408,682	490,418	573,848	656,008	738,168	819,227					
47	47.534	13,276	107,002	132,757	214,005	239,760	265,515	321,007	346,762	372,517	398,272	428,009	533,795	640,554	749,525	856,837	964,150						
54	54.962	17,749	143,057	177,490	286,114	320,547	354,981	429,172	463,605	498,038	532,471	572,229	713,659	856,391	1,002,081	1,145,552							
59	59.418	20,744	167,194	207,437	334,388	374,631	414,873	501,582	541,825	582,067	622,310	668,776	834,068	1,000,882	1,171,153								
65	65.360	25,100	202,306	251,000	404,612	453,306	502,000	606,918	655,612	704,306	753,000	809,224	1,009,229	1,211,075									
72	72.787	31,128	250,895	311,284	501,790	562,179	622,569	752,685	813,075	873,464	933,853	1,003,580	1,251,622	1,501,947									
74	74.272	32,412	261,237	324,115	522,474	585,353	648,231	783,711	846,590	909,468	972,346	1,044,948	1,303,214	1,520,078									
80	80.214	37,805	304,709	378,051	609,417	682,759	756,101	914,126	987,468	1,060,810	1,134,152	1,218,835	1,520,078	1,693,654									
84	84.670	42,122	339,503	421,220	679,006	760,723	842,439	1,018,509	1,100,226	1,181,942	1,263,659	1,358,012	1,693,654										
89	89.127	46,673	376,186	466,733	752,373	842,919	933,465	1,128,559	1,219,105	1,309,652	1,400,196	1,504,746											
92	92.098	49,837	401,684	498,368	803,369	900,052	996,736	1,205,053	1,301,737	1,398,420	1,495,103	1,606,738											
95	95.068	53,103	428,009	531,029	856,019	959,038	1,062,058	1,284,028	1,387,048	1,490,067	1,593,087	1,712,038											
99	99.525	58,199	469,082	581,988	938,164	1,051,070	1,163,976	1,407,247	1,520,152	1,633,058	1,745,964	1,876,329											
101	101.010	59,948	483,185	599,485	966,370	1,082,670	1,198,970	1,449,555	1,565,855	1,682,155	1,798,455	1,932,739											
104	103.981	63,527	512,027	635,269	1,024,053	1,147,295	1,270,538	1,536,080	1,659,322	1,782,564	1,905,806	2,048,107											
110	109.922	70,994	572,208	709,935	1,144,416	1,282,143	1,419,871	1,716,624	1,854,351	1,992,078	2,129,806	2,288,831											
120	120.321	85,061	685,595	850,614	1,371,189	1,536,208	1,701,228	2,056,784	2,221,803	2,386,822													
124	124.776	91,477	737,305	914,770	1,474,609	1,652,075	1,829,540	2,211,914	2,389,379	2,566,845													
136	136.661	109,733	884,451	1,097,334	1,768,902	1,981,785	2,194,667	2,653,353	2,866,236														
148	148.544	129,646	1,044,948	1,296,462	2,089,897	2,341,410	2,592,924																
154	154.486	140,226	1,130,220	1,402,258	2,260,439	2,532,477	2,804,515																
166	166.370	162,630	1,310,795	1,626,296	2,621,589	2,937,090	3,252,592																
178	178.253	186,691	1,504,729	1,866,909	3,009,458	3,371,638																	
184	184.195	199,345	1,606,720	1,993,449	3,213,440	3,600,170																	

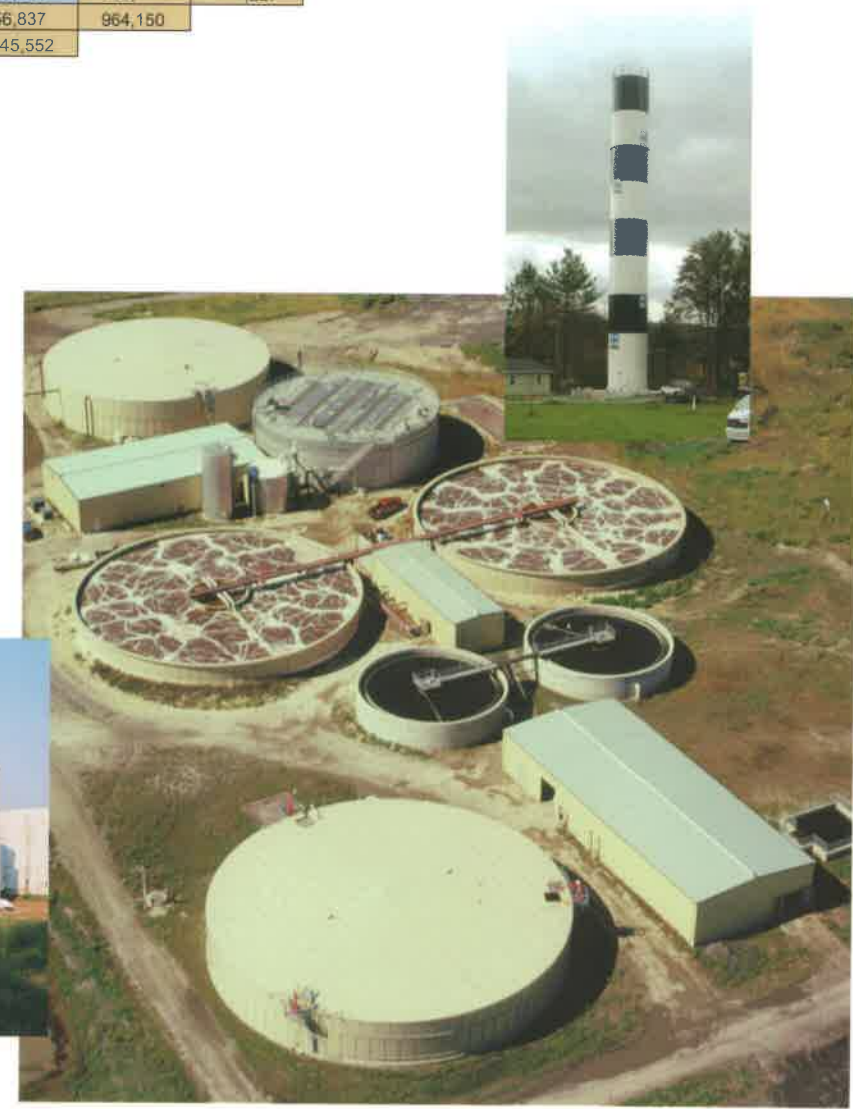
AWWA Specifications
CTT Specifications
Seismic Zone 0, Freeboard = 0
Other sizes available upon request

Conversion Factors

	per US Gallon
to Cubic Meters	0.00378
Imperial Gallons	0.83267
Liters	3.78541



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Columbian TecTank Liquid (Welded) Capacity Chart

Freeboard 0 inches			Units = US Gallons																						
Model Diam	Model Ht	Actual Ht (ft)	6	12	18	24	30	36	42	48	54	60	66	72	77	83	89	95	101	107	113	119	125	131	137
		5.92	11.84	17.76	23.68	29.60	35.52	41.44	47.36	53.28	59.20	65.12	71.04	76.96	82.88	88.80	94.72	100.64	106.54	112.48	118.40	124.32	130.24	136.16	
		Capacity per 12" Ht																							
8	8	2,226	4,452	6,678	8,905	11,131	13,357	15,583	17,809	20,035	22,261	24,487	26,714	28,940	31,166	33,392	35,618	37,844	40,063	42,297	44,523	46,749	48,975	51,201	
9	9	2,817	5,635	8,452	11,270	14,087	16,905	19,722	22,540	25,357	28,175	30,992	33,809	36,627	39,444	42,262	45,079	47,897	50,705	53,532	56,349	59,166	61,984	64,801	
10	10	3,478	6,957	10,435	13,913	17,392	20,870	24,348	27,827	31,305	34,783	38,262	41,740	45,218	48,697	52,175	55,653	59,132	62,598	66,088	69,567	73,045	76,523	80,002	
11	11	4,209	8,418	12,626	16,835	21,044	25,253	29,461	33,670	37,879	42,088	46,297	50,505	54,714	58,923	63,132	67,341	71,549	75,744	79,967	84,176	88,384	92,593	96,802	
12	11.92	4,942	9,884	14,827	19,769	24,711	29,653	34,596	39,538	44,480	49,422	54,365	59,307	64,249	69,191	74,134	79,076	84,018	88,944	93,903	98,845	103,787	108,729	113,671	
13	12.92	5,806	11,613	17,419	23,225	29,031	34,838	40,644	46,450	52,256	58,063	63,869	69,675	75,481	81,288	87,094	92,900	98,706	104,493	110,319	116,125	121,931	127,738	133,544	
14	13.92	6,740	13,480	20,220	26,959	33,699	40,439	47,179	53,919	60,659	67,398	74,138	80,878	87,618	94,358	101,098	107,837	114,577	121,294	128,057	134,797	141,537	148,277	155,016	
15	14.92	7,743	15,486	23,229	30,972	38,715	46,458	54,201	61,944	69,687	77,430	85,173	92,916	100,659	108,402	116,145	123,888	131,631	139,348	147,117	154,860	162,603	170,346	178,089	