

Installed Desalination Capacity by Year, Number of Plants, and Total Capacity, 1945 to 2004

Description

Desalination provides fresh water through various processes. Chapter 3 provides an update on the status of desalination worldwide. This table shows the annual increments to installed worldwide capacity and the cumulative capacity in million cubic meters per day. The number of plants added each year is also shown. This table includes desalination plants that use seawater, brackish water, river, pure, and other sources of water, not exclusively seawater desalination plants. Care should be taken in using these figures, because some of these plants may have been constructed, operated, and then shut down. No details are available on plant closures. Figure DT 22.1 shows the increase in desalination capacity over time.

Limitations

These data were collected from a wide range of sources, from desalting plant suppliers to plant operators to urban planners, and therefore depend on the accuracy of the information supplied. This list includes plants that have been built but never operated, operated but then shut down, or are still operating. Excluded from this list are plants that are only planned or under construction. As a result, this table is a better indication of global capacity than Tables 20 and 21, though it still includes plants that may no longer be in operation. Even this list, however, may also include plants scheduled for completion by 2004 that were never completed.

Source

Wangnick/GWI. 2005. *2004 Worldwide desalting plants inventory*. Global Water Intelligence. Oxford, England. (Data provided to the Pacific Institute and used with permission.)

DATA TABLE 22 Installed Desalination Capacity by Year, Number of Plants, and Total Capacity, 1945 to 2004

Year	Number of Plants	Installed Capacity (m³/d)	Cumulative Capacity (m³/d)
1945	1	326	326
1946	0	-	326
1947	5	2,461	2,787
1948	1	114	2,901
1949	4	2,960	5,861
1950	5	3,000	8,861
1951	2	446	9,307
1952	14	7,295	16,602
1953	7	7,096	23,698
1954	13	15,879	39,577
1955	13	7,113	46,690
1956	26	13,310	60,000
1957	18	8,232	68,232
1958	8	5,758	73,990
1959	21	29,315	103,305
1960	23	19,742	123,047
1961	18	10,055	133,102
1962	20	28,314	161,416
1963	24	40,282	201,698
1964	24	21,761	223,459
1965	27	43,842	267,301
1966	37	38,842	306,143
1967	23	53,760	359,903
1968	53	116,887	476,790
1969	37	179,499	656,289
1970	54	115,358	771,647
1971	78	272,358	1,044,005
1972	70	109,729	1,153,734
1973	160	256,816	1,410,550
1974	166	228,701	1,639,251
1975	176	484,941	2,124,192
1976	191	241,856	2,366,048
1977	257	451,860	2,817,908
1978	224	572,873	3,390,781
1979	280	676,744	4,067,525
1980	304	963,998	5,031,523
1981	235	419,997	5,451,520
1982	307	860,906	6,312,426
1983	284	1,636,511	7,948,937
1984	330	815,495	8,764,432
1985	316	1,118,472	9,882,904
1986	341	619,837	10,502,741
1987	295	633,634	11,136,375
1988	304	1,050,311	12,186,686
1989	319	884,050	13,070,736
1990	324	936,610	14,007,346
1991	275	611,609	14,618,955
1992	336	918,189	15,537,144

continues

DATA TABLE 22 *continued*

Year	Number of Plants	Installed Capacity (m³/d)	Cumulative Capacity (m³/d)
1993	308	822,755	16,359,899
1994	372	931,244	17,291,143
1995	476	1,580,061	18,871,204
1996	415	1,277,372	20,148,576
1997	384	1,534,241	21,682,817
1998	400	1,535,182	23,217,999
1999	343	1,290,485	24,508,484
2000	457	1,791,110	26,299,594
2001	409	1,796,573	28,096,167
2002	346	1,644,347	29,740,514
2003	266	2,872,564	32,613,078
2004	176	3,014,296	35,627,374
Total	10,402	35,627,374	

Cumulative Installed Desalination Capacity, 1945 to 2004

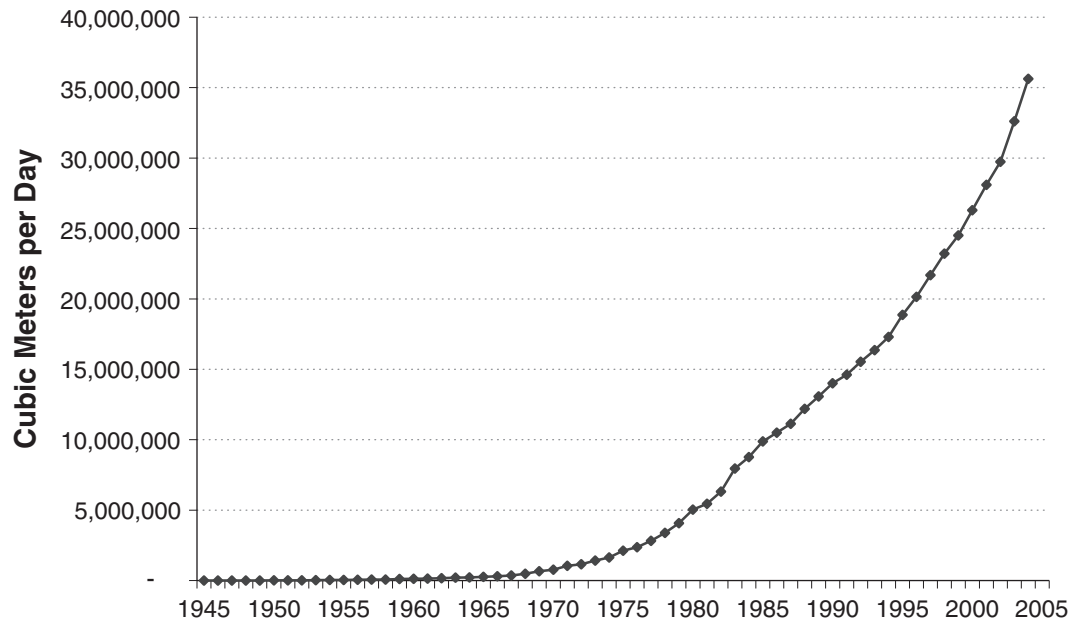


FIGURE DT 22.1 Cumulative installed desalination capacity, 1945–2004.