

Some numbers are from the 2007 SLC CAFR and some are rough estimates for perspective only. By 2010 Salt Lake City may have a surplus water supply of 94,042 acre-feet of existing water source and 111,864 acre-feet with future development.

By 2010 without conservation Salt Lake City's projected water demand may be just 57,130 acre-feet leaving a surplus of 94,042 to 111,864 acre-feet enough water for 335,864 to 399,514 people with a 250 gallons per capita per day (.28 acre-feet per capita per year).

Utah's 2010 population projection is 2,833,337 with a SLC projected population at 184,889; therefore, Salt Lake City's estimated 2010 existing surplus water supply may meet the demands of 12.7% of Utah's population above and beyond Salt Lake City's own incity needs, future development surplus may meet the demands of 15% of Utah's population over Salt Lake City's demand. If per capita use were .24 acre-feet per year (214 gallons per capita per day), with future development Salt Lake City may be able to supply 24.8% of Utah's 2010 projected population with water.

Salt Lake City currently sells water to three cities, 1 town, and 2 counties. Salt Lake City's general water sales business would have to expand beyond its current 20.4 million dollar annual sales operation to accommodate massive water surpluses, yet City connections have decreased by 4,426, and County connections have decreased by 9,010 since fiscal 2005 which is a decrease of 13,436 connections since fiscal year end 2005.

Salt Lake City's 1998-2007 per capita water use average is is .309 acre-feet or 276 gallons per capita per day (gpcd) over the past 10 years. This is an outstanding water use per capita figure given the daily influx of people. Salt Lake City should be commended.

Based on Salt Lake City's the 1998-2007 CAFR's .276 gpcd (.309 acre-feet per year), and a 25% conservation factor, and the Governor's Office 2050 projected population of 225,066 means 51,765 acre-feet may meet Salt Lake City's 2050 in city water demands. Let's say 60,000 acre-feet to be conservative, there still is a surplus supply of 91,172 acre-feet existing and 108,994 acre-feet with future development in 2010.

Salt Lake City has an existing 2010 projected average year production water supply of 151,172 acre-feet and a 168,994 acre-feet supply projected average year production water supply with future source development.

55 MGD = 83 CFS = 168.8 acre-feet per day over 365 days = 61,608 acre-feet of water for perspective. In 1960, Salt Lake City claimed 228.39 CFS of approved underground wells including 3.47 CFS of springs plus 210 CFS of unapproved pump well right filings. In 1971, Salt Lake City obtained an additional 6 cfs under 57-2404 from MWD Salt Lake City. In 1982, Salt Lake City obtained an additional 6 cfs under 57-2403, and 4 cfs under 57-2405 from MWD Salt Lake City. It appears in 2006, Salt Lake City pumped less than 5,000 acre-feet (6.9 cfs). If one's 2010 well pumping capacity is 83 cfs, why would Salt Lake City have pending applications for an additional 210 cfs in 1960 above and beyond the approved surplus well right of 151.92 cfs claimed in 1960? Why would MWD Salt Lake City convey an additional 16 cfs of well right to Salt Lake City?

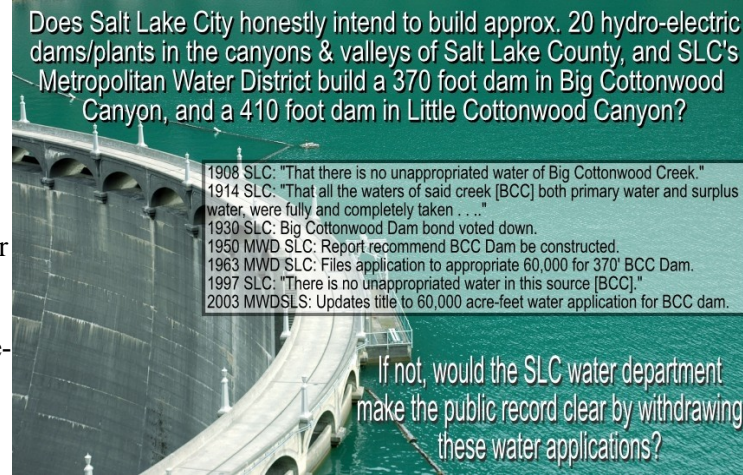


Table 3-3
Projected Average Year Production – Salt Lake City
Existing and Future Sources

Source: September 2007 Salt Lake County Demand and Supply Study Prepared for: Metropolitan Water District of Salt Lake & Sandy et. al Prepared by: Bowen, Collins & Associates. Pg. 3-5

Supply Category	Projected Average Year Production – 2010 (acre-feet)	Projected Average Year Production – 2100 (acre-feet)
SLC Surface Water Sources	65,512	66,617
Base Wells and Springs	7,353	7,353
Peaking Wells	4,547	4,547
SLC Preferred Rights in MWDSLS	73,760	73,760
New Wells	0	3,000
Additional Surface Water Development	0	3,967
Wastewater Reuse	0	5,000
Utah Lake System Water	0	4,750*
Total	151,172	168,994

Utah Division of Water Rights



WUSEVIEW Water Records/Use Information Viewer

System Name: Salt Lake City Corp. Culinary Water
 Address: 1530 South West Temple
 City: Salt Lake City State: UT Zip: 84115

Year	Date Received	Population	Dual System Percentage	Storage 10 ³ Gal	Number Of Tanks
2006	02/15/2007	319186	0	103	35

Annual Use Info (Acft)

Year	Domestic	Commercial	Industrial	Institutnl	Stock	Wholesale	Other	Unmetered	Total
2006	44108.00	26090.00	2962.00	0.00	0.00	0.00	3485.00	0.00	76645.00

TABLE 5 Source: Salt Lake City Department of Public Utilities
 SALT LAKE CITY WATER SUPPLY SOURCES Water Conservation Masterplan 2004 page 26.
 (mgd)

Normal Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
WTPs	97.0	97.0	97.0	97.0	95.0	89.0	81.0	52.0	32.0	32.0	97.0	97.0
Wells	46.6	46.6	46.6	46.6	55.0	55.0	55.0	55.0	55.0	55.0	46.6	46.6
MWDSL ¹	94.3	94.3	94.3	94.3	85.0	85.0	85.0	85.0	85.0	85.0	94.3	94.3
Jordan Aqueduct	42.9	42.9	42.9	42.9	50.0	50.0	50.0	50.0	50.0	50.0	42.9	42.9
Springs	1.1	1.1	1.1	1.1	5.0	5.0	5.0	5.0	5.0	5.0	1.1	1.1
Subtotal	281.9	281.9	281.9	281.9	290.0	284.0	276.0	247.0	227.0	227.0	281.9	281.9
Reduction due to well restrictions ²	4.7	4.7	4.7	4.7	5.5	5.5	5.5	5.5	5.5	5.5	4.7	4.7
Total	277.2	277.2	277.2	277.2	284.5	278.5	270.5	241.5	221.5	221.5	277.2	277.2

Prepared for:

Salt Lake City Corporation
 Department of Public Utilities

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ANALYSIS OF SALT LAKE CITY WATER RIGHTS AND SOURCES
 TO MEET PROJECTED 1975 PEAK-DAY DIVERSION REQUIREMENT OF 365 CFS

Source: Salt Lake City Public Utility Document

January 20, 1960

A. Waters Used Directly in Municipal System

Face Value of Rights on File (cfs)	Possible Peak-Day Value in 1975 with low year (August, 1934) yield (cfs)	Source Description
	131.89	TOTALS
210.00	85.00	g. Unapproved pump wells
438.39	216.89	GRAND TOTAL UNDERGROUND