

State Water Project Projected Water Sale 2013

By: Derek Rayner

Date: 6/7/2013

Assumptions:

1	Calistoga Annual Water consumption =	754	AF	Avg Use last 5yrs
2	Projected Total SWP Use in 2013 =	450	AF	Avg Use last 5yrs 442AF
3	Table A 100% Allocation =	1,925	AF	
4	Table A 2013 35% Allocation =	674	AF	
5	Projected Table A use in 2013 =	193	AF	Good until San Luis Spills
6	Carryover Water (Article 56) in 2013 =	1,815	AF	
7	Projected Carryover Use in 2013 =	257	AF	
8	Projected Total SWP Carryover in 2014 =	2,039	AF	

Table 1: Projections

Item	Year	Table A Allocation %	Table A (acre ft)	Projected SWP use (acre ft)	Difference (acre ft)
1	2014	25%	481	590	-109
2	2015	20%	385	475	-90
3	2016	20%	385	485	-100
Total =					-299
Factor of Safety =					2.0
Total Carryover to keep =					-600
Available Carryover to sell =		1,439 AF			

Historic Water Use information

Water Useage

Date: 3/26/2013

by: djr

Item	Year	Source (AF)			Total Supply (AF)	Annual (HCF)
		SWP Water Napa	Kimball	Wells		
1	1994	420.7	376.4	127.1	924.2	402,556
2	1995	250.1	485.7	113.2	849.0	369,801
3	1996	248.8	546.7	85.5	881.0	383,739
4	1997	418.3	414.9	86.57	919.8	400,626
5	1998	341.3	494.3	23.9	859.5	374,374
6	1999	533.05	370.72	0	903.8	393,657
7	2000	481.8	427.46	0	909.3	396,048
8	2001	573.64	314.29	0	887.9	386,757
9	2002	589.42	355.27	0	944.7	411,481
10	2003	400.95	399.16	0	800.1	348,506
11	2004	461.22	341.04	0	802.3	349,442
12	2005	363	471.62	0	834.6	363,537
13	2006	400.95	399.16	0	800.1	348,506
14	2007	491.9	315.7	0	807.6	351,768
15	2008	567.13	259.63	0	826.8	360,114
16	2009	493.2	267.74	0	760.9	331,444
17	2010	413.7	337.3	0	751.0	327,115
18	2011	323.29	385.7	0	709.0	308,816
19	2012	412.0	309.4	0	721.4	314,222
Max =		589.4	546.7	127.1	944.7	411480.5
Min =		248.8	259.6	0.0	709.0	308816.2
Avg =		430.8	382.7	23.0	833.6	367127.0

Percent Redution over 19 years

21.9%

Percent Reduction per year

1.20%

CALISTOGA WATER SUPPLY

