

Solano Irrigation District

Answers to questions submitted via email
 from Charles Herich on 9/30/15
 (responses prepared by C. Morin and reviewed by C. Keaten)

Question from 9/30/15 Email from Charles Herich. Questions are highlighted in Yellow

1) In your slide presentation Page # 24, the Drinking (Potable) Water System Customers were shown (Purple #1) as using 2,000 AF/year; however, the Feb 17, 2015 Financial Plan and Water Rate Study for the 7 primary customers would indicate that the Potable Customers use only 340 AF/year. Which is correct, 2,000 or 340 AF/year?

SID Response:

Based on the math presented below, the correct figure is 2,000 acre feet per year, as was presented on slide 24.

	Computed	As Presented on Slide 24	Source Document
Total Ag water March 2015 through December 2014 Amount in acre feet	140,444	141,000	Attachment 1, Solano Irrigation District Agricultural Water Report, from row 7, column head 2014 YTD
M&I Non-Potable amount in CCF	869,287 (a)		Solano Irrigation District Financial Plan and Water Rate Study, page 15, Figure 4-3
Conversion Factor to acre feet	<u>0.002295684113660</u>		
M&I Non-Potable amount in acre feet	1,996	2,000	
M&I Potable amount in CCF	176,272 (a)		Solano Irrigation District Financial Plan and Water Rate Study, page 15, Figure 4-3
Conversion Factor to acre feet	<u>0.002295684113660</u>		
M&I Potable amount in acre feet	405	400	

(a)

The information below is from the Solano Irrigation District Financial Plan and Water Rate Study, page 15, Figure 4-3

M&I Non-Potable:	125,604	M&I Potable:	
North Village	135,099	Stocking Ranch	1,089
Paradise Valley	40,405	Blue Ridge Oaks	1,985
Allison Ulatis	30,225	Peabody	4,251
Blue Ridge Oaks	22,689	Quail Canyon	17,754
Peabody	331,752	Gibson Canyon	101,431
Green Valley	80,080	Elmira	20,037
Fairfield Corporate Commons	92,928	Tolenas	<u>29,725</u>
North Cordelia	<u>10,505</u>		<u>176,272</u>
Nut Tree	<u>869,287</u>		

Please Note the water rate model assumes the units of water sold remain the same in each year.

2) The Non-Rate Revenue slide (Page # 16) on the second bar-chart shown as # 2 in purple, the values add up to only 96 %, while the other lines add up to 100 %.

Is there a reason why the Prorated Fair Share of Non-Rate Revenue bar-chart doesn't add up to 100 %?

SID Response:

The amount should have been 100%. The amount for M&I was presented at 16% and it should be 20%.

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3) On the Financial Plan Page # 16 shown in black as # 3, it indicates that the North Village customers have a rate charge of \$0.00; do these folks get their water for free? Their average use is 10,872 gallons per day.
SID Response:

No, the North Village customers do not get their water for free. The table, as presented in the financial plan, was incorrect with respect to North Village. Please see below for a correct presentation of North Village.

Please see figure 4-2 on page 14 of the Financial Plan and you will see that there water rates for North Village.

Please see page 16 of the Appendix to the Financial Plan for the rate calculation for North Village.

The information below, is how North Village should have been presented on figure 4-2, on page 16 of the Financial Plan

Customer	Number of Customers	Average Water used (gal per day)	Avg Customer Bi-Monthly Water Used (CCF)	Current		Proposed		Average Bi-monthly Increase
				Rate (\$/CCF)	Bi-Monthly Bill (avg usage)	Rate (\$/CCF)	Rate (\$/CCF)	
North Village	20	10,872	872	\$0.50	\$436.00	\$0.52	\$453.44	\$17.44

4) Does SID provide non-potable water to the Pleasant Hills Ranch Estates (PHRE)? If so, why is PHRE not shown on Page # 16 as a Non-Potable customer?

SID Response:

PHRE has a separate water rate study. Please see page 5, of the Appendix to the Financial Plan and on row 38, you will see that PHRE expenses were deducted from SID Net Revenue Requirements for this water rate study.

Solano Irrigation District Agricultural Water Report
(Water Year of March 2014 Through February 2015)

(Note: Numbers are rounded to the nearest acre-foot)

Total Agricultural Water Supplied From All Sources	2014										2015		2014 YTD	2013 YTD	2012 YTD	2011 YTD	2010 YTD	2009 YTD
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb						
1. Total amount of Solano Project water diverted for SID Ag use	1,003	6,240	22,095	28,836	28,836	20,485	13,744	4,909	115	40			126,303	147,238	123,042	109,368	110,705	114,209
2. Total amount of water pumped from SID wells:	18	972	2,480	2,496	2,325	1,707	843	495	173	3			11,512	5,341	4,484	4,112	4,013	4083
3. Total amount of water recovered from SID drains and channel:	0	104	331	439	450	334	254	168	0	0			2,080	3,297	2,321	1,997	2,069	2262
4. Total amount of return flow water recovered and sold to Maine Prairie (Water used & returned through drain systems)	0	0	0	0	0	0	0	0	0	0			0	0	13,111	13,109	12,421	11027
5. Total amount of effluent water received from Fairfield Suisun Wastewater Plant and sold to SID Ag. Customer:	0	0	0	0	0	0	0	0	0	0			0	0	0	882	972	1203
6. Total amount of Flat Rate water used in Tolenas (Supplied by Vallejo)	19	19	69	104	113	92	72	43	14	4			549	654	536	479	474	564
7. Total Water Supply (= sum of lines 1+2+3+4+5+6)	1,040	7,335	24,975	31,875	31,724	22,618	14,913	5,615	302	47	0	0	140,444	156,530	143,494	129,947	130,654	133,347
8. Total amount of Solano Project water diverted for flat rate accts	0	(504)	(967)	(1,068)	(1,110)	(1,073)	(995)	(488)	0	0			(6,205)	(7,355)	(6,348)	(5,520)	(6,535)	-6504
9. Non Solano Project water delivered to Tolenas flat rate accts	(19)	(19)	(69)	(105)	(113)	(92)	(72)	(43)	(14)	(4)			(550)	(654)	(536)	(479)	(474)	-564
10. Total amount of water recovered from SID drains and channel:	0	(104)	(331)	(439)	(450)	(334)	(254)	(168)	0	0			(2,080)	(3,047)	(2,321)	(1,997)	(2,069)	-2252
11. Total amount of Ag Water delivered monthly- not including flat rate users (= line 7 minus lines 8 + 9 + 10)	1,021	6,708	23,608	30,263	30,051	21,119	13,592	4,916	288	43	0	0	131,610	145,474	134,289	121,951	121,576	124016
12. SID Ag water sold monthly (Represents all ag water billed by the month)	782	5,695	22,387	28,995	29,416	20,138	12,294	4,275	179	1			124,162	135,319	111,860	99,968	101,986	111424
13. Return Flow water Sold to Maine Prairie	0	0	0	0	0	0	0	0	0	0			0	0	13,111	13,109	12,421	11027
14. Total Agricultural Water Sold from all sources (= sum of lines 12 + 13)	782	5,695	22,387	28,995	29,416	20,138	12,294	4,275	179	1	0	0	124,162	135,319	119,730	113,077	114,407	122,451
15. Total SID Water Loss (water delivered but unsold) (= line 11 minus line 14)	239	1,013	1,221	1,268	635	981	1,298	641	109	42	0	0	7,448	10,155	9,318	8,874	7,169	1566
16. Loss Percentage (Total SID water loss/ Total water sold)													5.66%	6.98%	6.94%	7.28%	5.90%	1.26%