



2015 Field Operations in Review

Liquid Assets Review:
from Source to Course

Source

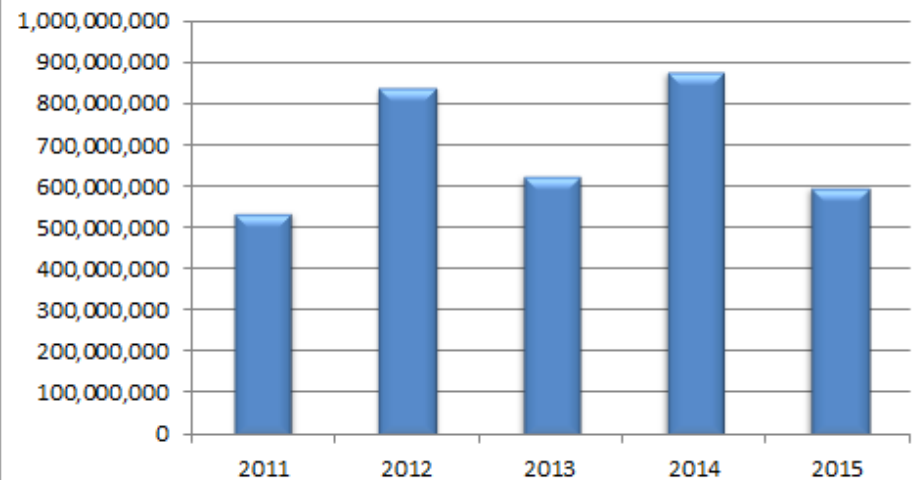
Granlees Pumping & Diversion Station

- 2014-2015 Pumping Season: 2,008 Ac. ft. (654.471 MG) pumped
Started filling on Dec 8, 2014.
- 2015-2016 Pumping Season: 900 Ac. ft. (293 MG) pumped *so far*
this season (as of 2/10/15)
Started filling on December 13, 2015.

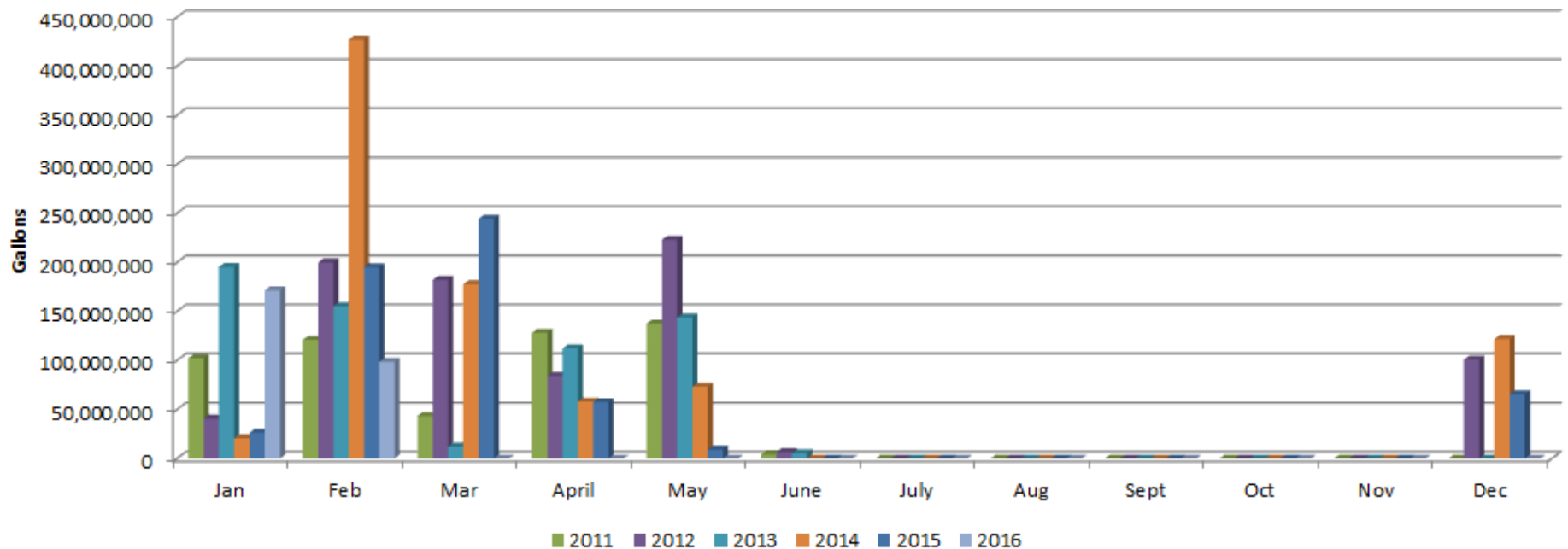
The District may pump water from the Cosumnes River from November 1 thru May 31 of each year for raw water storage. Amounts and times vary depending on river flow. River diversion through the Cosumnes Irrigation Association (CIA) ditch is utilized to convey water for downstream uses.

Annual Amounts Pumped from River to Storage

Annual Volume Pumped to Storage

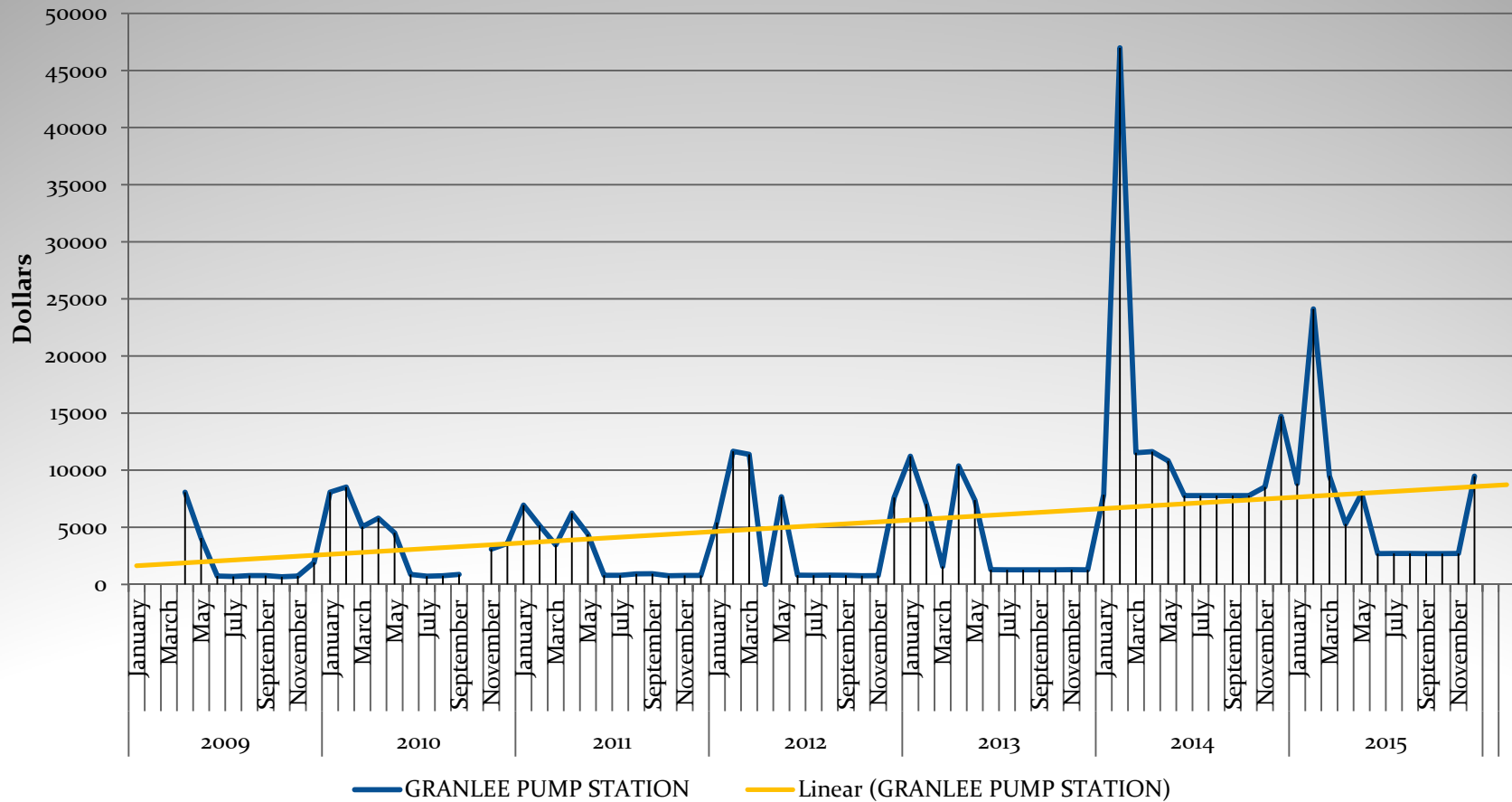


Granlees Diversion to Storage per Month



Water Pumping Costs from River

Granlee PS Electrical Cost (raw water pumping)

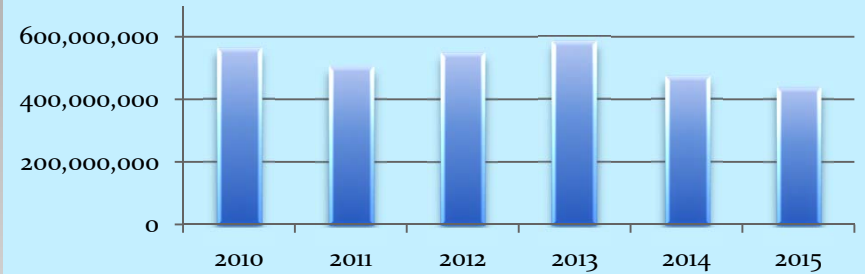


Water Production

440.4 MG (1,351.6 Ac. ft.) of potable water was produced in 2015

Yearly Totals in Millions of Gallons

TOTAL WATER PRODUCTION FROM WATER TREATMENT PLANTS

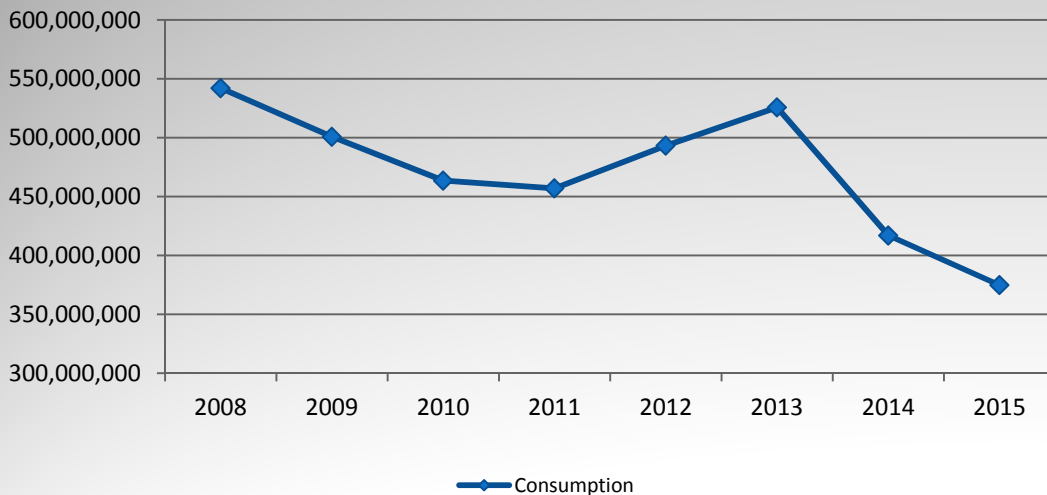


Year	Jan.	Feb.	March	April	May	June	July	August	Sept.	Oct.	Nov.	Dec.	Total MG	Ac.ft.
2011	13.747	12.940	16.614	31.897	50.879	54.096	73.512	76.750	71.188	50.277	31.516	29.642	513.058	1575
2012	27.105	23.894	24.565	28.111	55.631	69.697	78.050	80.757	68.669	51.197	24.799	18.705	555.135	1691.5
2013	19.17	19.73	32.74	41.27	61.93	68.63	80.71	76.74	63.82	55.10	38.54	28.81	587.21	1802.2
2014	28.63	18.44	21.93	27.21	47.58	60.84	66.75	61.83	49.48	42.54	29.01	20.55	474.78	1457.2
2015	22.38	20.09	31.01	31.82	35.8	46.88	53.49	54.35	51.72	44.15	27.56	21.14	440.4	1351.6



WATER CONSERVATION

Water Consumption

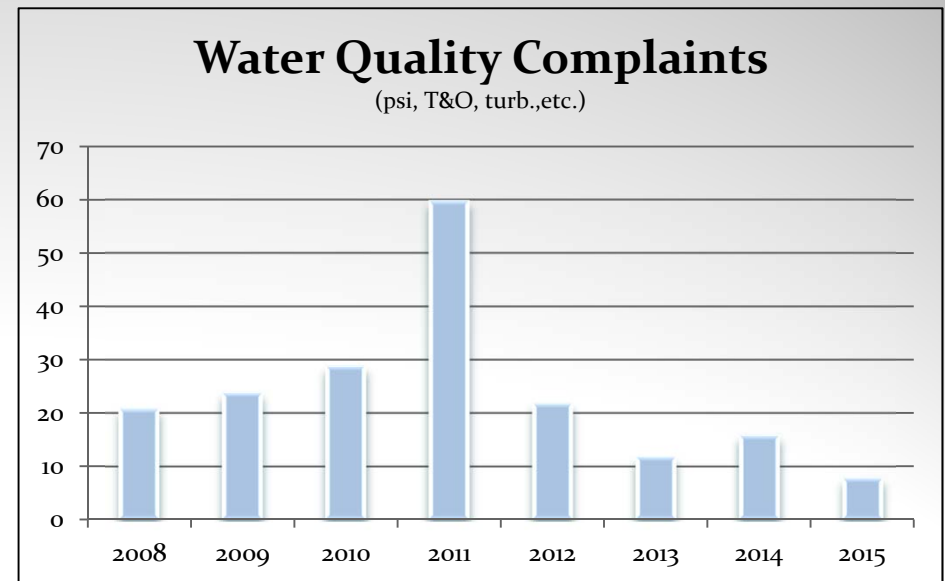
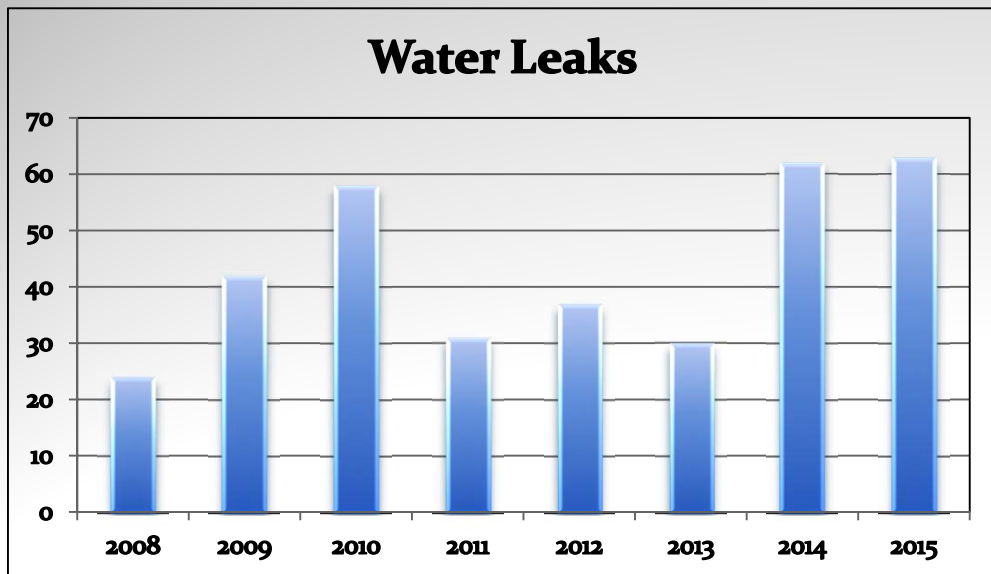


Water Agency	2015 Residential Gallons Per Capita Per Day (R-GPCD)											
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
California American Water	105	109	129	81	82	106	106	110	101	86	65	59
Carmichael Water District	73	78	114	126	162	136	192	200	203	172	99	79
Citrus Heights Water District	85	83	108	117	129	163	176	172	160	140	82	76
City of Davis	60	62	80	87	88	101	108	112	114	103	68	51
City of Folsom	85	86	107	139	143	176	195	195	186	154	101	88
City of Lincoln	76	78	111	88	110	145	142	175	152	127	84	59
City of Roseville	53	56	69	85	84	97	119	122	118	101	60	52
City of Sacramento	64	62	87	85	100	117	136	136	115	104	69	63
City of West Sacramento	57	67	74	100	106	110	118	119	110	103	100	82
City of Woodland	60	65	59	65	84	103	101	104	104	87	72	57
City of Yuba City	90	94	113	123	128	142	147	143	130	123	85	64
El Dorado Irrigation District	79	71	104	102	134	169	231	169	224	117	79	73
Elk Grove Water District	57	60	79	85	93	105	114	112	112	93	63	57
Fair Oaks Water District	85	85	125	136	156	201	227	225	214	172	96	77
Golden State Water Company	122	108	104	115	125	155	158	163	164	144	109	97
Orange Vale Water Company	100	100	151	159	179	238	269	267	243	189	108	90
Placer County Water Agency	77	83	115	151	145	168	183	203	162	126	97	82
Rancho Murieta CSD	91	118	126	138	132	210	213	237	218	172	139	85
Rio Linda/Elverta CWD	98	101	113	141	169	216	229	219	199	155	99	82
Sacramento County Water Agency	82	81	109	118	117	122	127	127	121	108	73	65
Sacramento Suburban WD	73	66	100	87	94	136	132	141	126	90	55	63
San Juan Water District	106	113	191	233	283	334	359	363	338	272	148	111
Sacramento Regional Average	78	77	102	102	112	135	149	149	140	114	76	67

The District had a 25% conservation target for water consumption and achieved a 28.72% vs. 2013 thanks to conservation efforts

Water Distribution & Maintenance

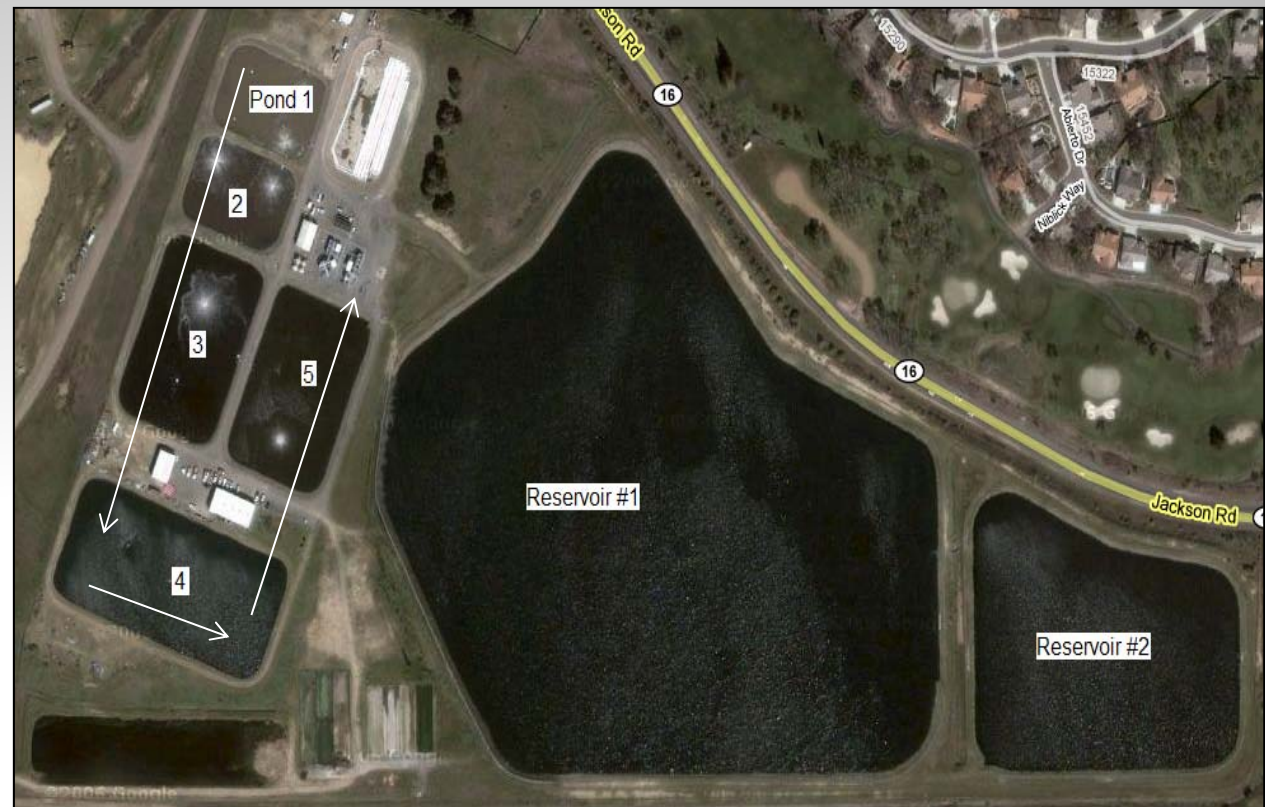
- 63 Water Leak Repairs in 2015
- 152 Meters Replaced
- 41 MXU's Replaced



Wastewater Treatment System Overview

- **2015** influent flow received was **131.04 MG** (402.2 acre-feet)
- Treated wastewater is stored in two reservoirs until needed for reclamation use by RMCC during summer months.

• Stored secondary treated wastewater is pumped through a DAF system and then filtered, disinfected with chlorine, becoming tertiary treated water, and supplied to the golf courses for irrigation.



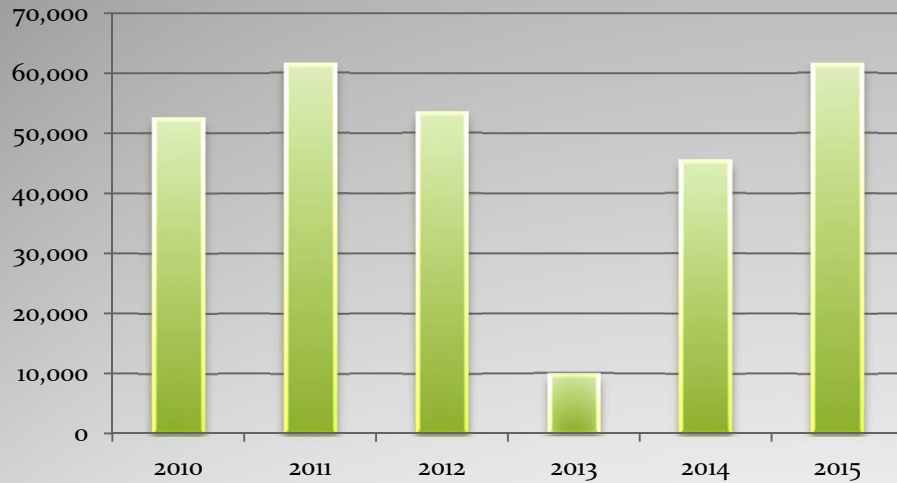
To Course

107.2 MG
(329 Acre-feet) of
tertiary water was
delivered in 2015
for RMCC irrigation
use.

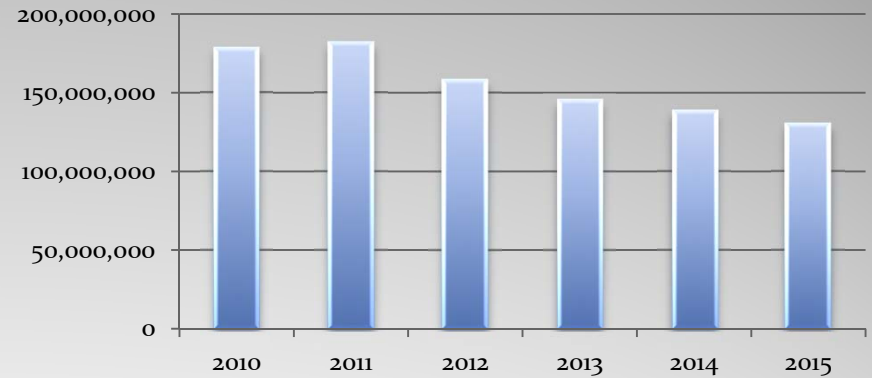


Sewer Metrics

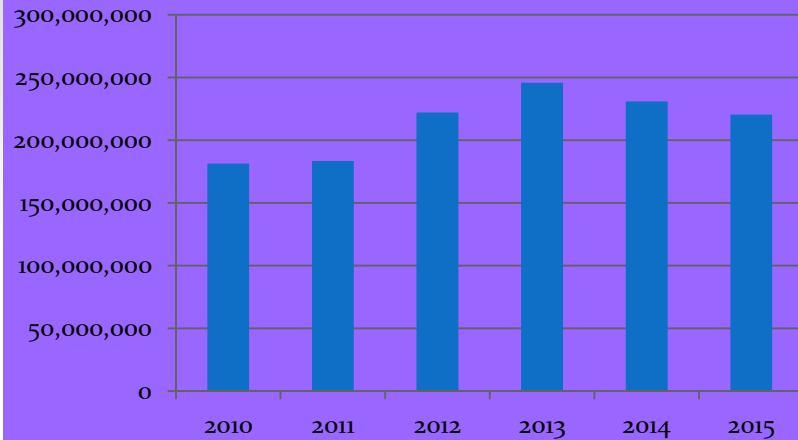
Sewer Line Cleaned - Feet



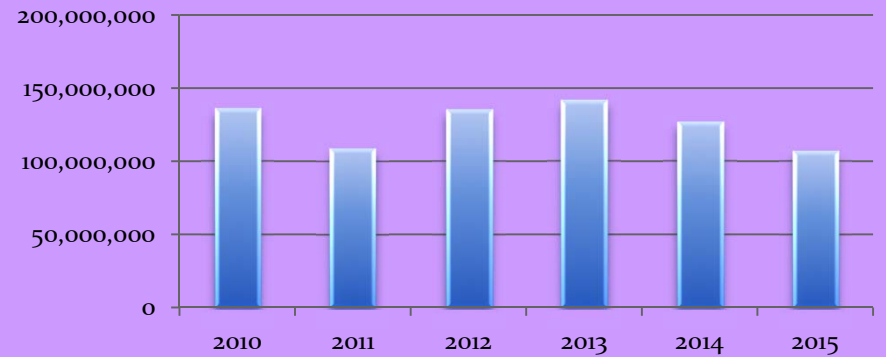
Total Wastewater Returned to Plant From Customers



RMCC Irrigation Volume of Water Used - Gal.

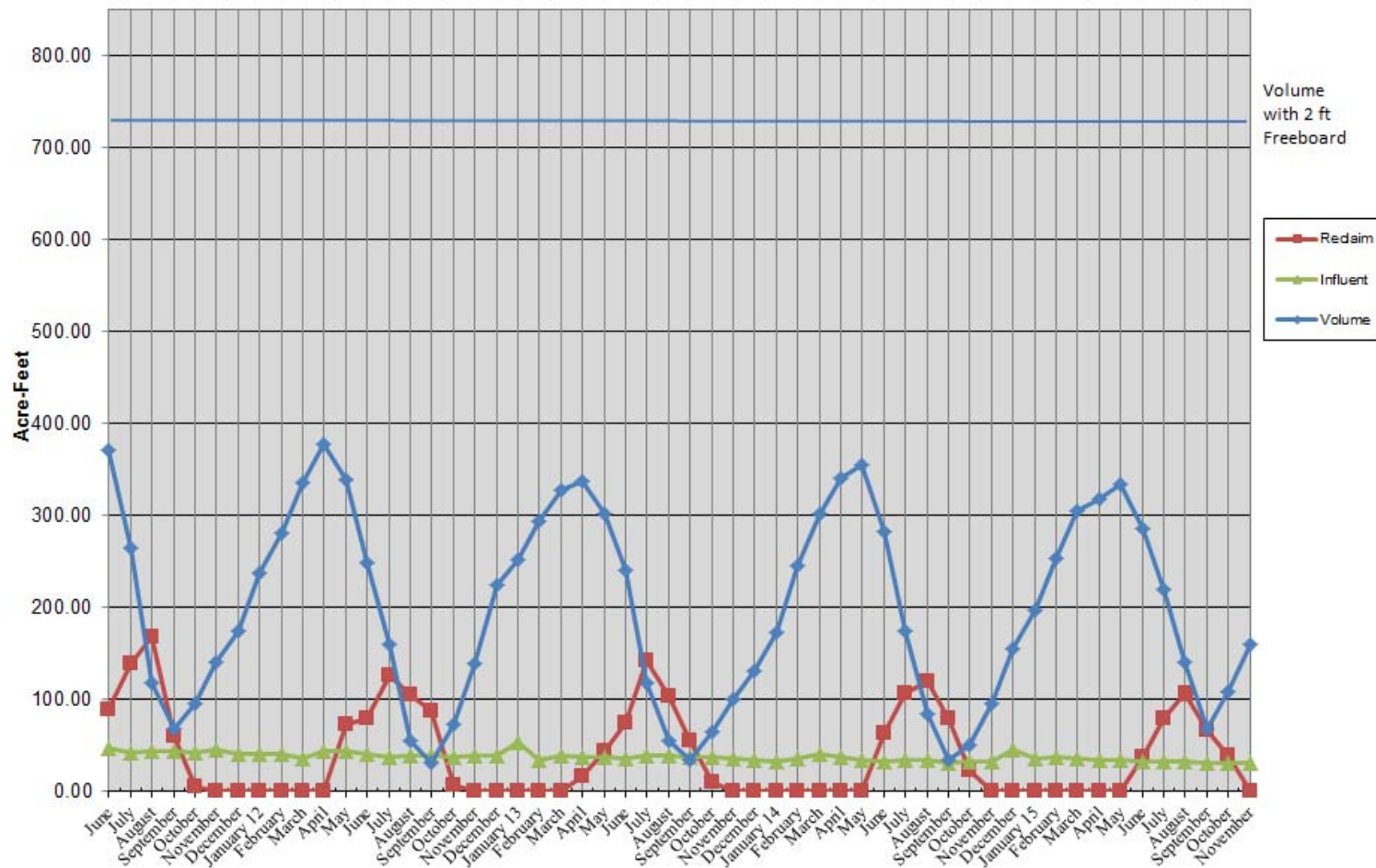


TREATED RECLAIMED WASTEWATER DELIVERED FOR GOLF COURSE IRRIGATION - Gal.



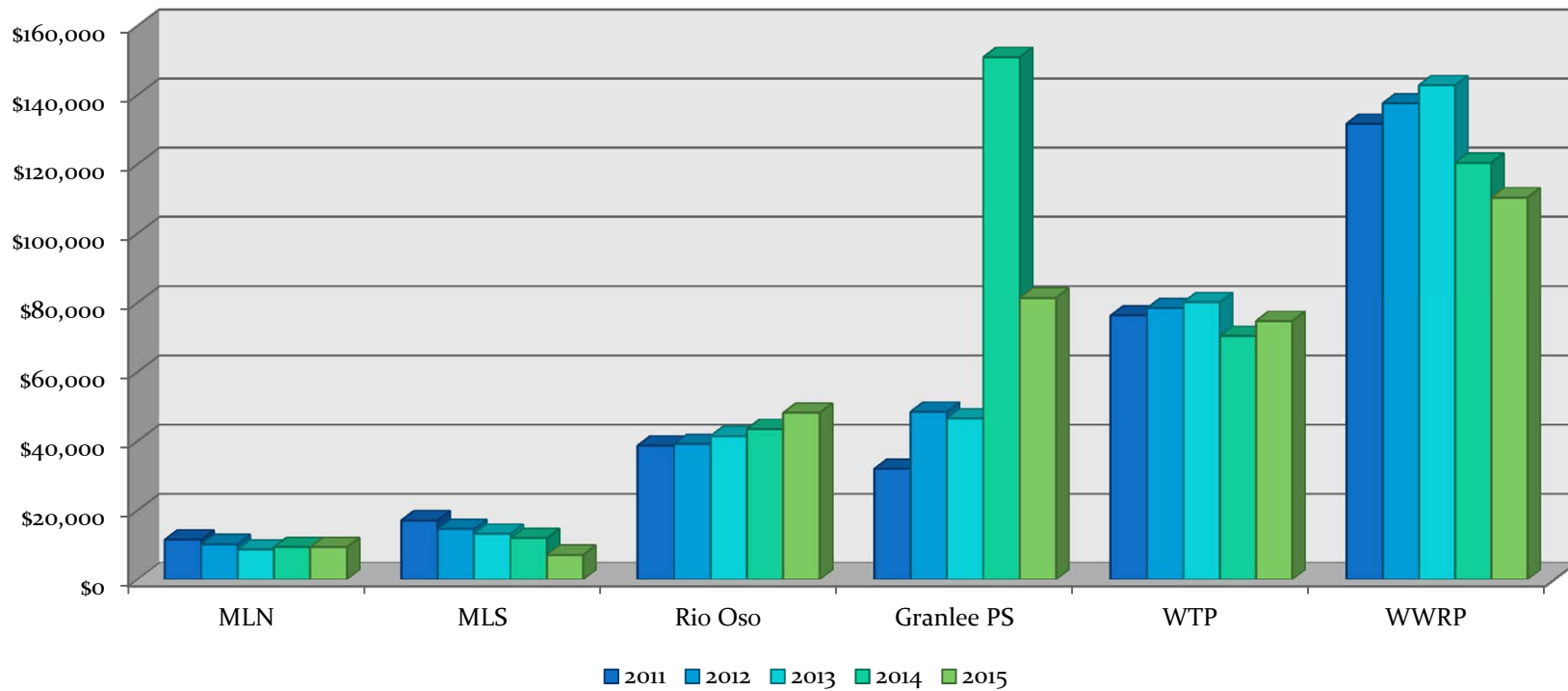
We effectively lowered secondary wastewater storage to 68 acre-feet. The highest storage volume for the year was 335 acre-feet.

Volume of Secondary Wastewater in Reservoirs 2011-2015



SMUD Power Costs

Primary Electrical Accounts - Annual Costs



Thank You!

With the continued support of the Board and community, we will continue to make improvements and keep the District running with a high standard of service and operation.

