



2016 Field Operations in Review

Liquid Assets Review:
from Source to Course

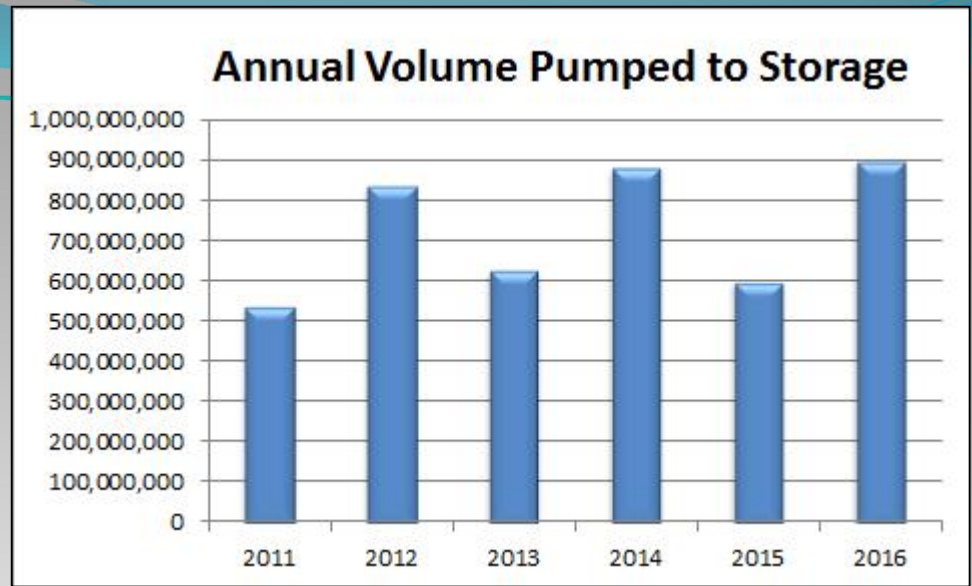
Source

Granlees Pumping & Diversion Station

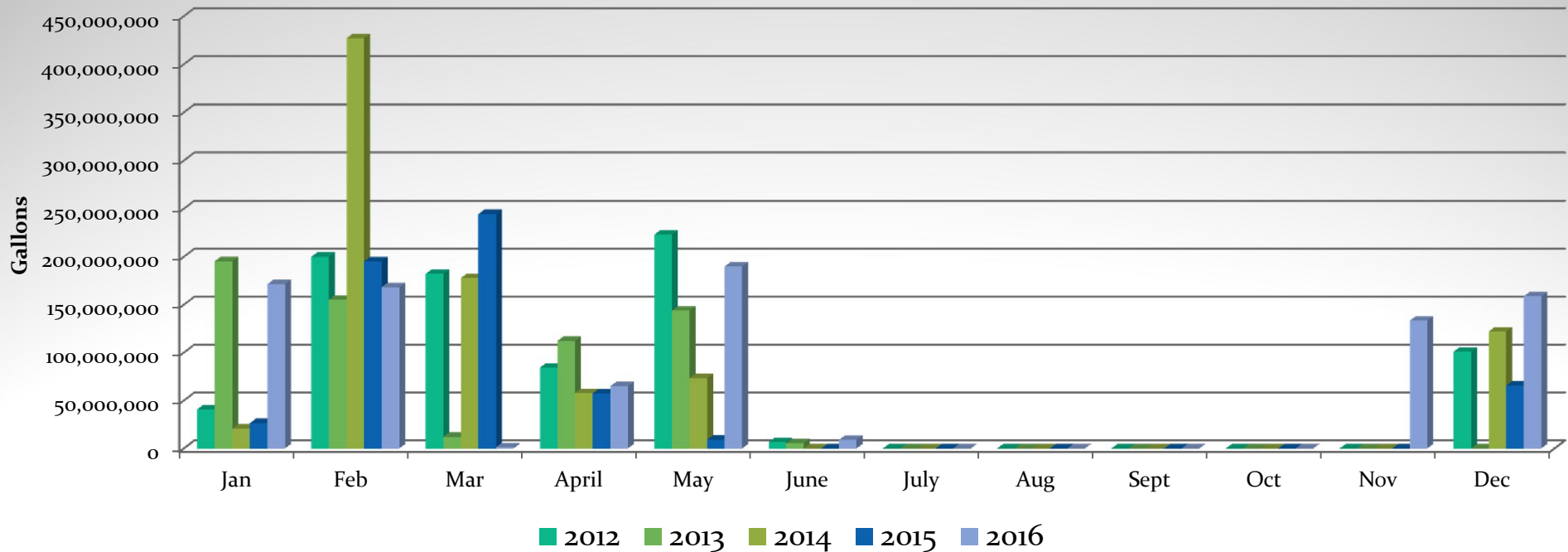
- 2015-2016 Pumping Season: 2,057 Ac. ft. (670.281 MG) pumped
Started filling on Dec 13, 2015.
- **2016-2017 Pumping Season:** 976 Ac. ft. (318 MG) pumped *so far*
this season (as of 2/10/17)
Started filling on November 1, 2016. Rainfall has kept us full since.

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.

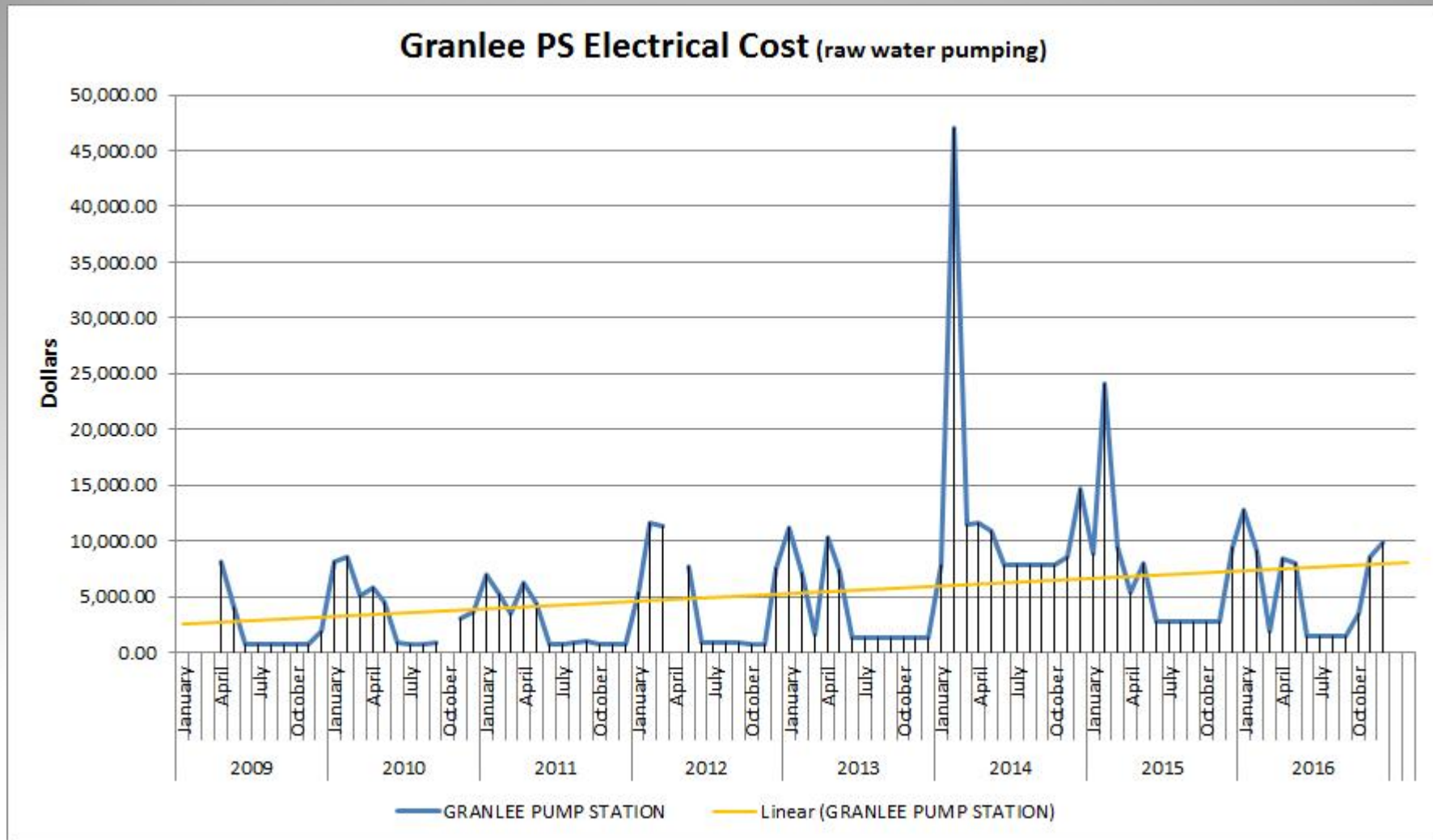
Annual Amounts Pumped from River to Storage



Granlees Diversion to Storage per Month



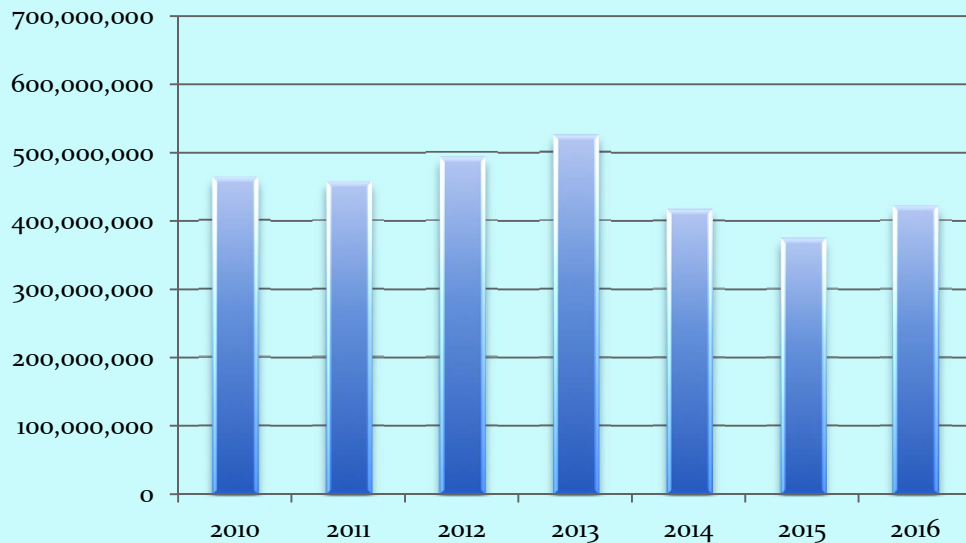
Water Pumping Costs from River



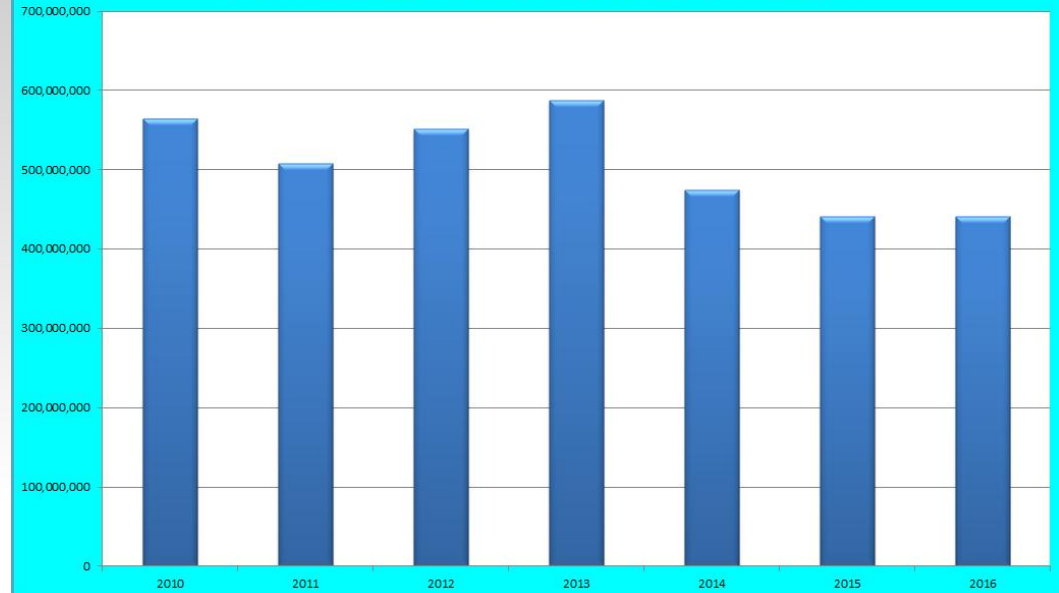


WATER CONSERVATION

Potable Water Consumption



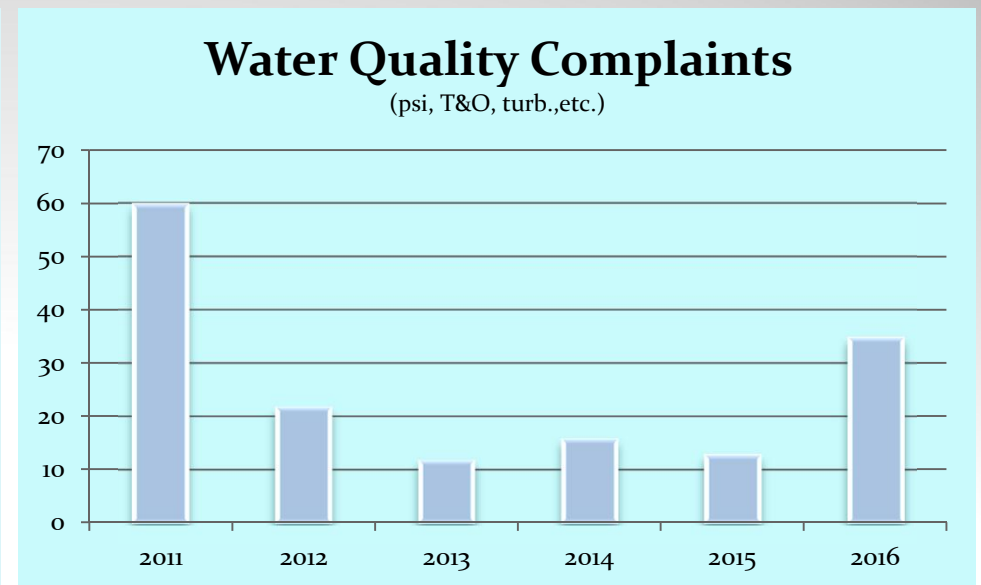
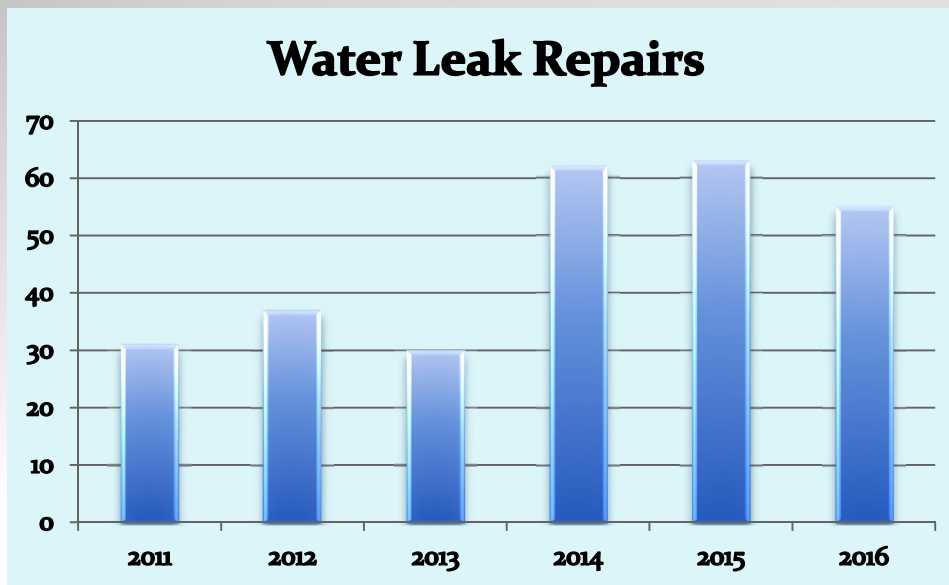
TOTAL WATER PRODUCTION FROM WATER TREATMENT PLANTS



The District had a 25% conservation target for water consumption and achieved a 19.8% vs. 2013 thanks to conservation efforts

Water Distribution & Maintenance

- 55 Water Leak Repairs in 2016
- 110 Meters Replaced
- 23 MXU's Replaced



Wastewater Treatment System Overview

- **2016** influent flow received was **145.4 MG** (446.3 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.



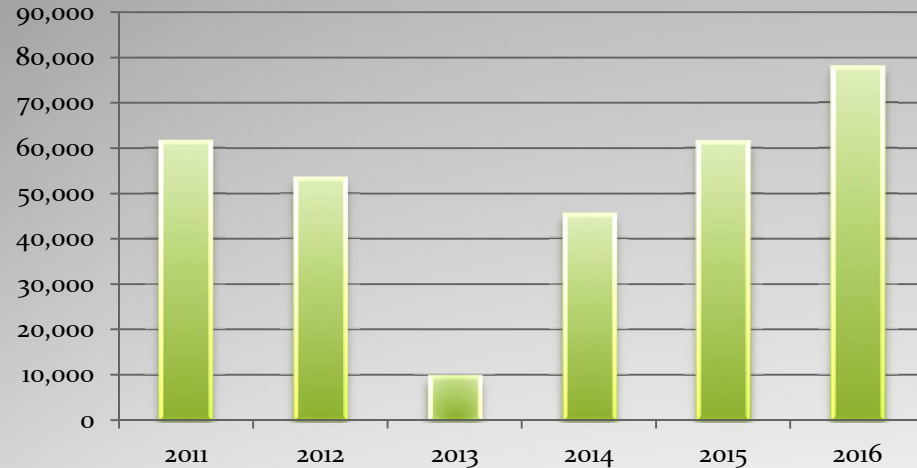
To Course

120.1 MG
(368.6 Acre-feet)
of tertiary water
was delivered in
2016 for RMCC
irrigation use.

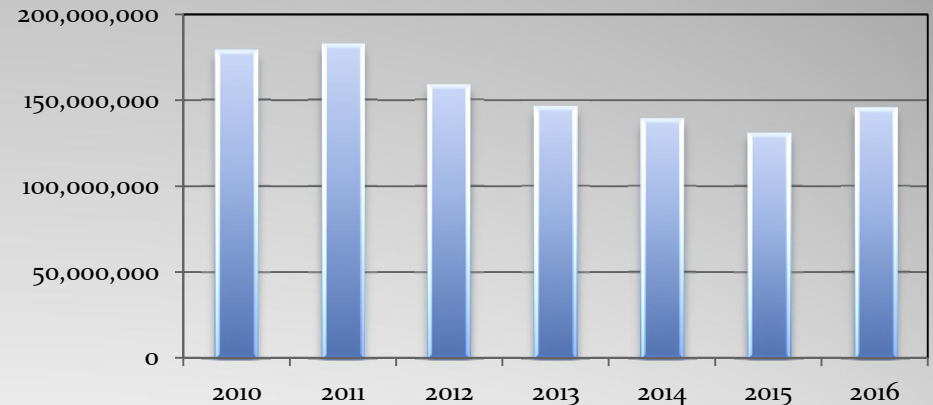


Sewer Metrics

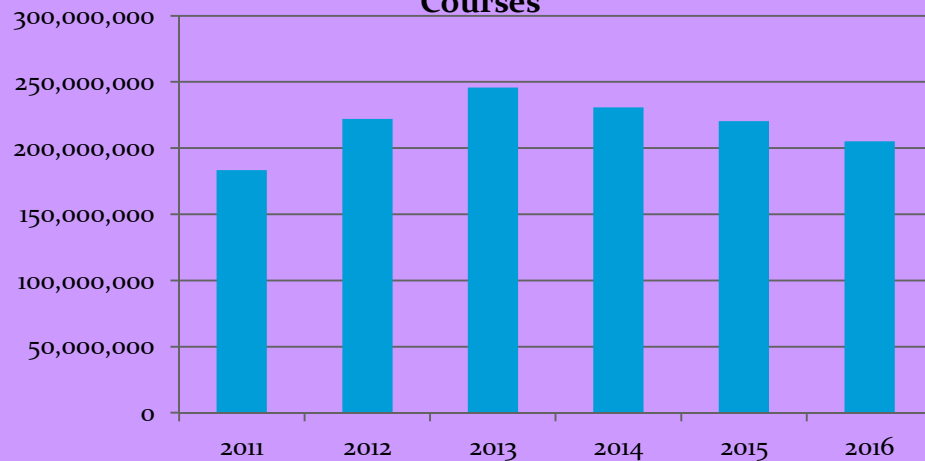
Sewer Line Cleaned - Feet



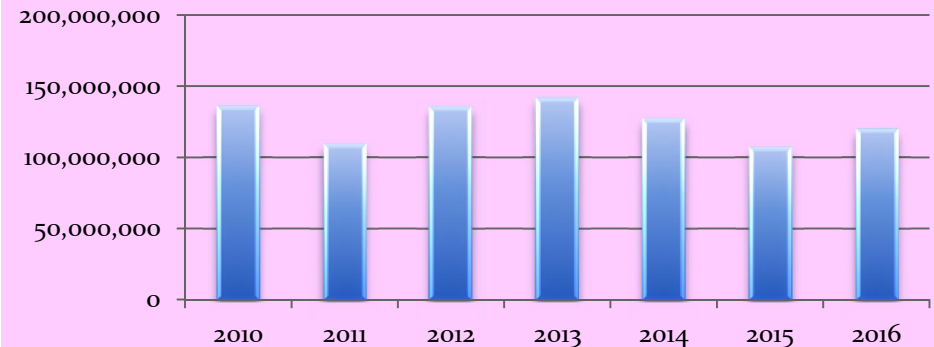
Total Wastewater Returned to Plant From Customers



Reclaimed/Rain/ River Water used to Irrigate Golf Courses

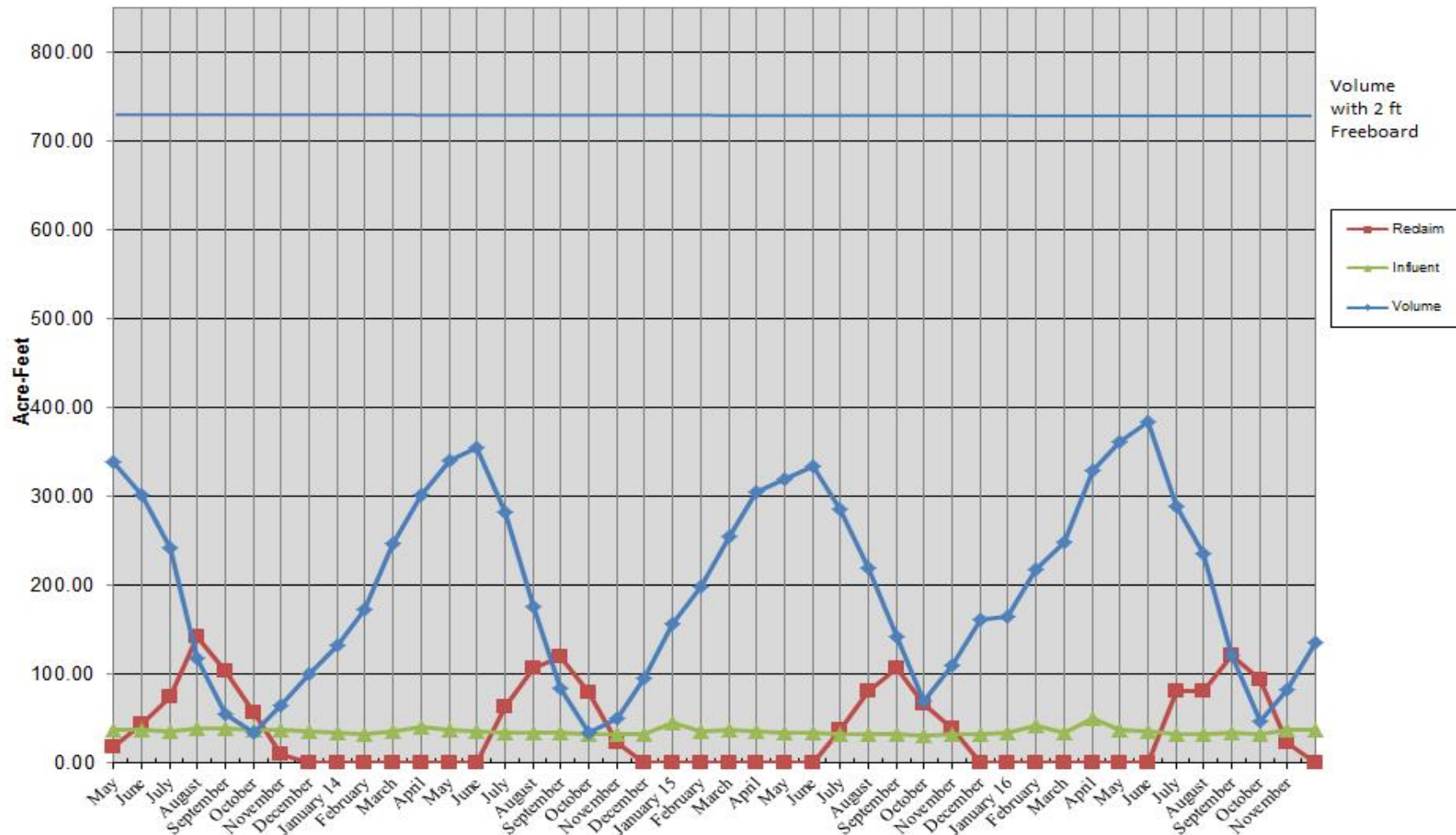


TREATED RECLAIMED WASTEWATER DELIVERED FOR GOLF COURSE IRRIGATION



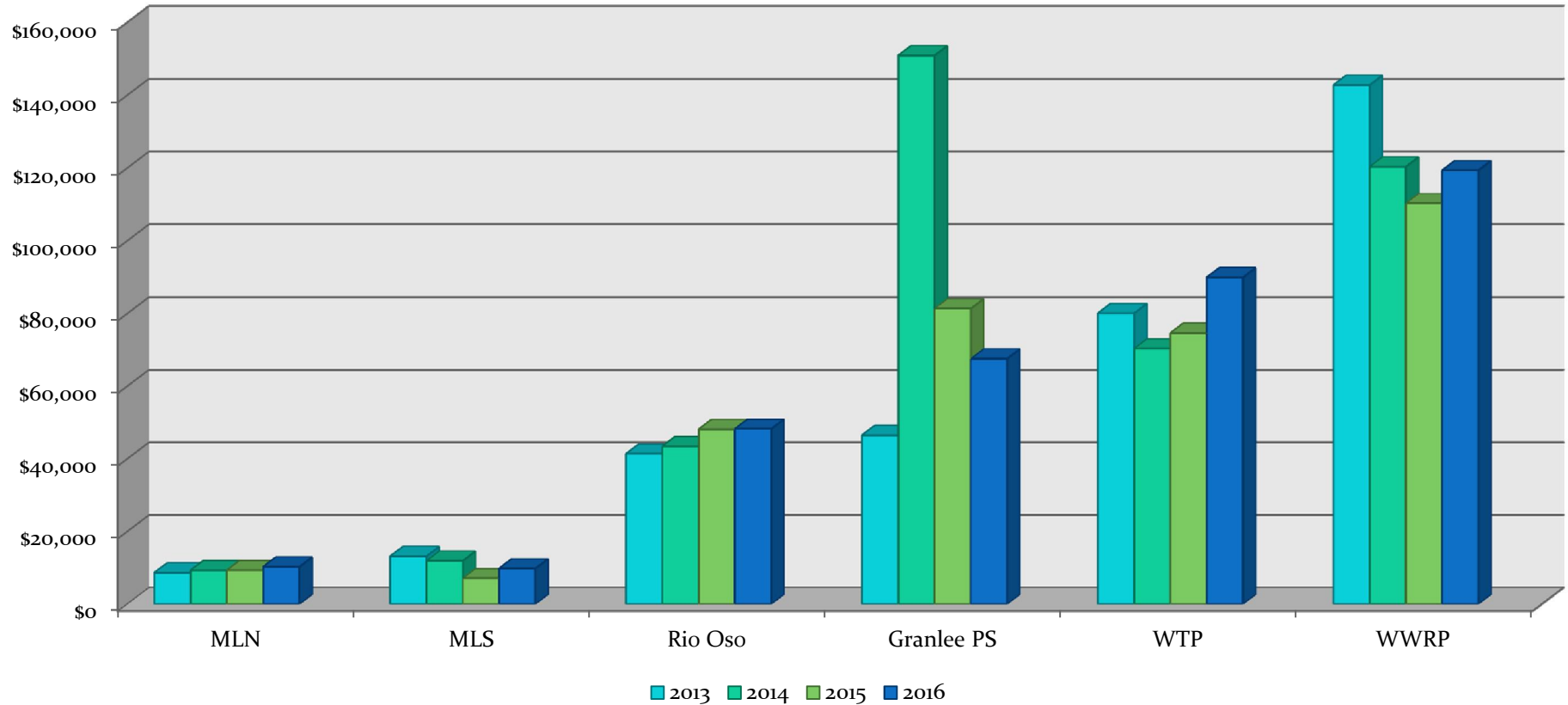
We effectively lowered secondary wastewater storage to 35.8 acre-feet. The highest storage volume for the year was 380.4 acre-feet.

Volume of Secondary Wastewater in Reservoirs 2013-2016



SMUD Power Costs

Primary Electrical Accounts - Annual Costs



Projects Completed

Water Treatment Plant Expansion



Projects in the works...

**Water Plant
&
Wastewater
Plant
Solar power**



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.

