

PSA WATER COMMITTEE

ANNUAL REPORT

Saturday, June 3, 2017

Standby Generator Upgrade:

All site work, drainage systems, Kohler 45KW Propane Standby Generator, Automatic Transfer Switch, 1000 gallon Propane Tank and pump house electrical upgrades are complete. Initial propane connections and tank filling occurred on Tuesday 11/22 and Kohler factory startup was completed on Wednesday 11/23. Thanks to Tom Moore for his help throughout the project and Kevin and Stan for attending the factory training. The total project costs estimates were \$42,622.06 (plus misc. T&M) and the final project costs finished up at \$45,414.76. The \$2,792.70 variance was primarily due to permits, equipment rental and anticipated electrical charges for the PUD system shut-down and circuit and heater upgrades to the S02 well house

Update Status of Sayan Properties:

We have been working to resolve the continued unauthorized shared use of water, using garden hoses to neighboring homes in shut-off status. The last Board approved course of action was to confer with our attorney regarding possible violations by Sayan of the bankruptcy plan.

If our attorney and the Court fail to respond and we are not able to eliminate this condition, we are committed to install an RP device to eliminate any threat of cross-connection between houses or with our system. The owner has been notified and failed to respond or correct these violations and charge his account.

We have since postponed all corrective measures in favor of the Board's decision to seek resolution through the bankruptcy court.

Well #3 Submersible Pump Failure /Repair

Our (S03) well (newest) submersible well pump failed on March 20th and required full replacement. After the parts arrived, a two-man crew from Nicholson Drilling spent a very long day performing the successful repair on April 4th. The estimate was \$9,365.46 and the final invoice came in at \$8,245.54. Northwest Water followed-up with a water quality test and the well was brought back into service.

Pump House Upgrades: (Pending Pump House Upgrades)

Low pressure alarm system upgrade from current warning light to remote dialer system

Pressure relief valve install at the booster station (ASME- rate pressure relief valve in case of over pressurization)

Upgrade both source meters

Repair/replace pressure pump motor

Upgrade system monitoring

Proposed Summer Projects (Volunteers Welcome)

Fire Hydrant Painting:

We will coordinate with Central Mason on verifying flow rates and testing.

NFPA 291 recommends that hydrants be painted yellow, with the caps colored the following way to mark their flow:

Blue = 1,500gpm and above

Green = 1,000gpm to 1,499gpm

Orange = 500gpm to 999gpm

Red = 499gpm and below

Valve Markers:

Kevin Killinger recommended we add valve road markers to protect our roadside valves of potential damage from county and other large trucks. We have already had one damaged valve that was also the source of substantial water loss.

System Water Loss (Erroneous Read for Jan/Feb & March/April Cycles)

2016	Jan /Feb	908,827	786,170	122,657	13.5%
	March /April	1,111,003	958,285	152,718	13.7%
	May /June	1,948,580	1,691,273	257,307	13.2%
	July /Aug	2,705,367	2,382,387	322,980	11.9%
	Sept /Oct	1,324,523	1,170,403	154,120	11.6%
	Nov /Dec	792,369	730,452	61,917	7.8%
Subtotal		8,790,669	7,718,970	1,071,699	12.2%
2017	Jan /Feb	1,349,229	1,009,770	339,459	25.2%
	March /April	717,625	707,773	9,852	1.4%
Subtotal		2,066,854	1,717,543	349,311	16.9%