

GRIZZLY FLATS CSD NEWSLETTER SEPTEMBER 2016



NEW RATE STRUCTURE!

Enclosed is your first bill with the new rate structure adopted in July. We now have a basic rate of \$59.30 and a volumetric charge of \$1.15 per one hundred cubic feet (748 gallons). Your water charges will fluctuate based on your actual usage. If you have any questions about the new rate structure, you can call or email our office Monday – Friday, 9:00 AM to 2:00 PM.

NEW LOOK TO YOUR BILL!

Along with the new rate structure, we felt it was a great time to revamp the old water statement design. We hope this new bill is more user-friendly and easier to understand.

UPDATE ON THE WATER SUPPLY

The end of summer always puts our water supply to the test. Without mandatory conservation requirements in effect this year, water demand has been high. We treated 4.2 million gallons of water in July! We've seen a drop in water flowing in the creeks that feed our diversions, but so far, they have kept the reservoir full and spilling. If the reservoir were to stop spilling, the District would enter a Stage 1 (Water Conservation Stage). This would ask customers to voluntarily conserve 10% to 20% of their normal usage. More information on stages can be found on our website.



BUYING OR SELLING A HOME IN GRIZZLY FLATS? BE SURE TO CALL US!

When selling a home, the transfer of the water bill occurs on the date escrow closes. Once we are notified by you of the escrow closure, we read the water meter at the home and use that to accurately calculate your final bill. The new rate structure charges you for your actual usage, so it is in your best interest to give us a call as soon as escrow closes. We appreciate your cooperation with this!

OPEN HOUSE – OCTOBER 15, 2016

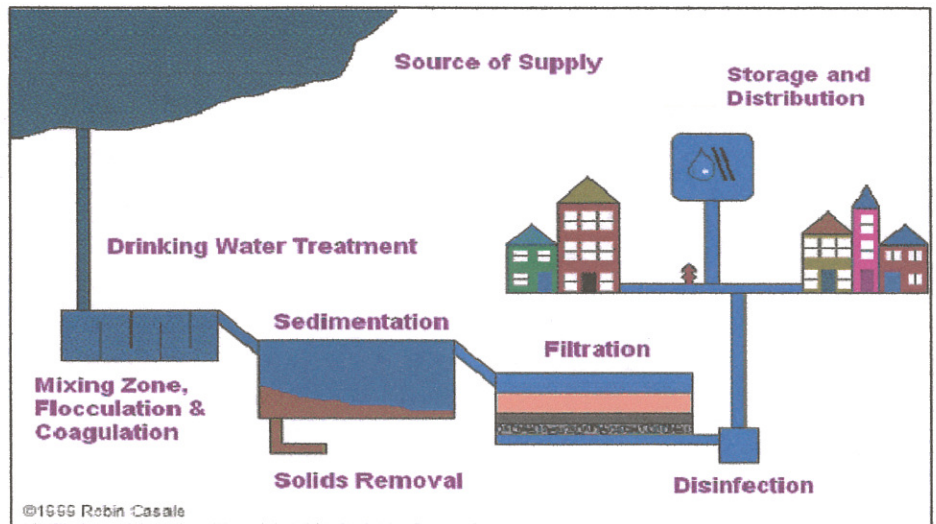
Each year, we invite the community to attend the District's Open House. It gives you an opportunity to:

- See where your water comes from;
- See improvements in the water system;
- Participate in demonstrations of our equipment;
- Go on a guided tour of our treatment plant and see what's involved in making raw water safe to drink;
- Hear about challenges facing our District in the coming years; and
- Meet our employees and Board members who will all be available to answer your questions about the District!

Please save the date and join us on Saturday, October 15, 2016. Our doors will be open from 10:00 AM to 2:00 PM. We look forward to seeing you!

WATER TREATMENT AND DISTRIBUTION – HOW WATER GETS TO YOUR HOME!

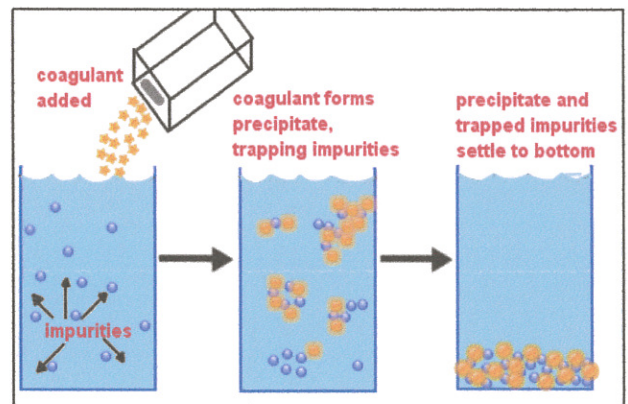
We sent this out a couple of years ago, but it is great information on how our water system works. The following describes the basic steps used to make the water from our streams, rivers, and reservoirs safe to drink. Having an adequate supply of water for our community ensures that everyone has safe water delivered to their homes and that there is water available for fire protection when needed!



Source of Supply: The GFCSD obtains its water supply by direct diversions of stream flows from North Canyon and Big Canyon Creeks which are tributaries to the North Fork of the Cosumnes River. Flows are diverted thru Eagle Ditch, a water conveyance system that dates back to the 1850's. It brings the water down to our raw water reservoir which serves as the headworks of our system.

Drinking Water Treatment: The District has two filter units to treat water. Treatment techniques remove soil, dirt, bacteria, viruses, and parasites, and impurities. The steps include coagulation, flocculation, sedimentation, filtration, and disinfection.

- **Coagulation and Flocculation:** Gentle mixing of the water and treatment chemicals causes the impurities and particles to form larger floc particles. We currently use a coagulant called Sterling Chemical 8809.
- **Sedimentation:** The particles that are formed through coagulation and flocculation become increasingly larger and eventually settle out of the water in a sedimentation basin.
- **Filtration:** After sedimentation, the clarified water is passed through filters to remove particles of dirt, algae, and harmful bacteria and parasites.
- **Disinfection:** Disease-causing bacteria, viruses, and parasites are destroyed by disinfection. We use liquid chlorine for disinfection purposes.



* To give you an idea of how little treatment our water needs, we produced 4.3 million gallons of water last month (July 2016) and used only 6.75 gallons of 8809 and 100 gallons of chlorine.

Storage & Distribution: Scattered throughout the District are four water storage tanks which hold a maximum of 600,000 gallons of treated water. The Distribution System is the system of pipes that allows water to travel from the drinking water treatment plant to the homes in our community. Water is distributed through the system mainly by gravity. Due to the varying terrain, pumping is required in limited areas to maintain adequate service pressures. There are also pumps, pneumatic tanks, valves, fire hydrants, and water meters.