

Reclaimed Water Options Prove Beneficial for District

As part of the District's ongoing commitment to improve water and wastewater resources and operations, the Stonegate Village Metropolitan District (SVMD) has been assessing alternatives to capture and store millions of gallons of reclaimed water, a valuable and reusable water resource for the District. On Monday September 8, 2014, District Manager Jim McGrady held a reclaimed water conveyance evaluation meeting for District Board of Directors, in attendance were District Board President Lisa Hyvonen, and District Board Members Roger Husbands, Greg Sanford and Steve Olson. The meeting included an overview presentation by Providence Infrastructures Consultants, where engineering consultants Lee Lindeen P.E., Principal and engineering associate Darin Pytlik, P.E. provided a comprehensive evaluation of infrastructures and costs for six (6) different alternatives for the Stonegate Village Metropolitan District to deliver tertiary treated wastewater (reclaimed water) through the Parker Water and Sanitation District (PWSD) water reclamation system to Rueter-Hess Reservoir, allowing Stonegate Village Metropolitan District to store their reclaimed water for future use in their previously acquired 1,200 acre foot storage account in Reuter Hess Reservoir.



The current upgrade construction project of the SVMD wastewater treatment plant, will provide estimated peak effluent water flows of approximately 2.5 million gallons per day (mgd). “Planning for moving and storing the District’s reclaimed water is a significant project for the District, and will help lower water costs in the water by successively using our water to extinction, which is permitted under Colorado Water Law,” says Jim McGrady, SVMD District Manager.



Pictured from left to right, PWSD District Manager Ron Redd, Greg Sanford, Lisa Hyvonen, Steve Olson, Jim McGrady and Roger Husbands, taken on the Rueter-Hess Reservoir Dam. “Our public partnerships and special relationships with organizations like Parker Water and Sanitation District are very important to development and future operations of the Stonegate Village Metropolitan District,” says Lisa Hyvonen, SVMD President and Board Member.

The SVMD reclaimed water conveyance evaluation involved a conceptual level design effort utilizing both new and existing infrastructures, and determined the size, length, and configuration of the overall needed infrastructure improvements and requirements. At the conclusion of the meeting, the attendees then visited and met with PWSD management and team members including District Manager Ron Redd, Director of Operations James Roche, and GIS Coordinator Rebecca Tejada.



The SVMD Board of Directors toured the PWSD facilities, pump stations, pipeline locations, as well as Rueter-Hess Reservoir, all earmarking the potential infrastructures for consideration on the SVMD reclaimed water project.

The next step will be to develop a Conveyance Agreement between PWSD and the SVMD, that allows SVMD to utilize PWSD's extensive reclaimed water delivery system to Reuter Hess Reservoir. Once the agreement has been finalized, SVMD will be designing and constructing the necessary facilities to connect to the Parker System. By the fall of 2015 SVMD will be storing their reusable water in Reuter Hess Reservoir in much the same way PWSD has been doing for the past three years.

Please don't hesitate to contact SVMD District Manager Jim McGrady for any additional questions or inquiries concerning the District's reclaimed water conveyance evaluation project.

The Stonegate Village Metropolitan District is an independent entity, a separate organization from the Stonegate Homeowners Association and supplies water and wastewater services to the Stonegate, Lincoln Park, and Compark communities. For more information on Stonegate Village Metropolitan District, and on the many other District projects and programs supporting the community, please visit the District website at www.svmd.org, or call 303-858-9909, and or mail us at Stonegate Village Metropolitan District, 7995 E. Prentice Ave, Suite 103E, Greenwood Village, CO 80111.