

December 5, 2013

To: Sewer Infrastructure Advisory Group  
From: Patrick Griffiths, Bend Water Resources Manager  
Re: Indoor Water Conservation Sensitivity Analysis Target

At the November 21, 2013 SIAG meeting, Mike Riley asked for the water conservation sensitivity analysis target to be linked to a value relevant to Bend and/or to standardized conservation goals for indoor water use savings.

For those who may not know me, I have worked to develop Bend's water conservation program since 2000, and now continue this important work as the Water Resources Manager. Based on my understanding of Bend's indoor water conservation potential, the proposed 10% water conservation sensitivity analysis target is appropriate. A 10% indoor water savings is well above Bend's expected savings and is a good test to see if *significant* sewer infrastructure savings could be found through increased investment in indoor water conservation. .

Bend completed a state required / approved [Water Conservation and Management Plan](#) in 2011. Four water conservation approaches were analyzed, including one that focused solely on indoor water use (the water from homes / businesses that would go into Bend's sewer, rather than water used outdoors for watering lawns, washing cars, etc.). The indoor water conservation analysis showed potential for a 1.8% savings in average day demand based on Bend's limited resources to deliver an indoor conservation program. Bend recently hired a replacement for the retirement of the existing water conservation staff position, who will start in January 2014 and could help implement these types of water conservation strategies.

It is important to note that achieving a 10% indoor water conservation target for Bend could involve significant additional costs. Bend's potential for substantial indoor water conservation savings is low considering the downward trend in water use (in Bend and nationally) and the high proportion of homes built here after the Energy Policy Act. Homes built after 1994 use 10 to 13 fewer gallons per day than older homes.

Please contact Jon Skidmore (541-693-2175 / [jskidmore@bendoregon.gov](mailto:jskidmore@bendoregon.gov)) by Monday, December 9 if you have any concerns about moving forward with the 10% indoor water conservation sensitivity analysis target. MSA needs to continue with the analysis now to meet their tight schedule.

cc: Jon Skidmore  
Tom Hickmann  
Aaron Collett  
David Stangel  
Clark Worth  
Libby Barg