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## Water conversation via the reducton in wastfull use at the enduser's home.

1 message

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Sun, Jan 6, 2013 at 3:57 PM

12/17/2012

I live in Capitola, Santa Cruz County, California and we are also having water issues. I sent a water conservation plan to the local water district which basically reconfigures the home plumbing system so that less potable water is sent down the drain due to temperature considerations. As a former remodeling contractor, I remodeled lots of bathrooms over a 15 year period.

In terms of wasted water, I learned that many gallons of water is wasted when someone is going to shower because the water runs for several minutes before its up to temperature. That is easily 3 to 5 gallons down the drain times the number of people taking a shower per household. You do the math.

Legislation that would amend the UBC (uniform building code) to develop technologies or plumbing systems that would cut this wasteful water use would be highly efficient at extending existing supplies. Its akin to insulating your house to reduce the energy required to keep it warm.

The changes may include a requirement that water heating facilities be required to have a recirculation system were hot water would always be available at any tap at any time. This would increase some energy costs as it requires an electrical water pump that would be cycling on and off 24/7. That may be a tradeoff worth the water savings. Many local jobs would be instantly created at the local level in the skilled trade areas. This is probably one of the least expensive plans with the most savings per dollar expended. Hope this idea gets some consideration.

Good Luck Anthony P. Gemigniani