

# Water Efficiency Opportunities

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Plumbing Training Workshop  
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A dynamic splash of water against a blue background, with water droplets and bubbles visible.

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NEED.**

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denverwater.org

# Why do utilities ask customers to conserve?

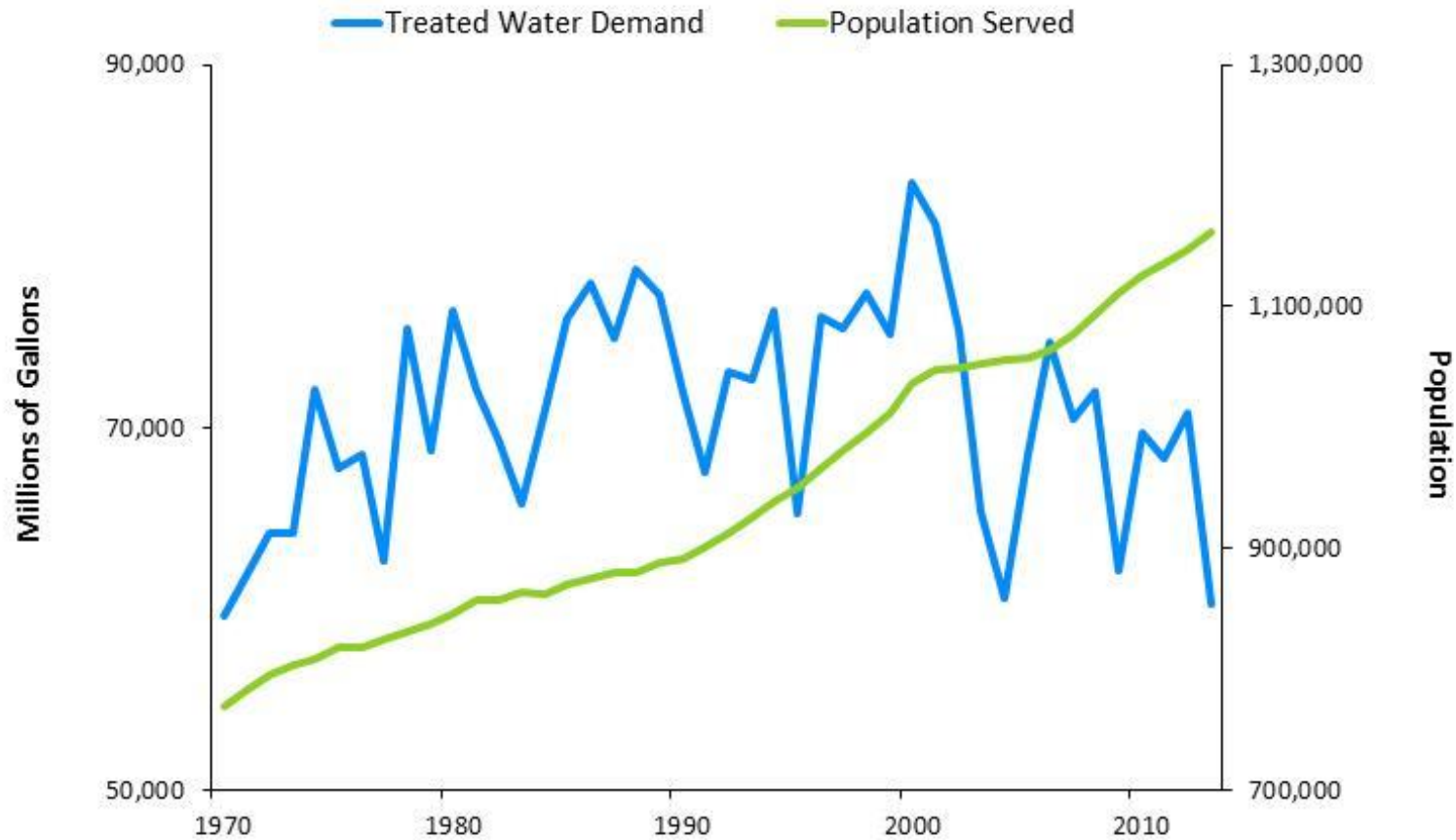
- Part of long-range planning
- Climate uncertainty
- Cost effective
- Multi-pronged approach
- Population growth and new demands, but same amount of water
- Right thing to do



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## Denver Water Treated Water Demand and Population



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# Opportunities to Engage Customers



- **Plumbing Fixture Rebates**

- WaterSense UHET (\$150)
- WaterSense HET (\$75)
- WaterSense HE urinal (\$100)
- Flushometer bowl/valve combo (\$125)
- Coin/card operated laundry equipment (\$150)
- Commercial Warewashing equipment (\$300)



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# Opportunities Continued

- WaterSense Challenge
- Indoor and outdoor audits
- Informational water budget program
- Performance Contracts

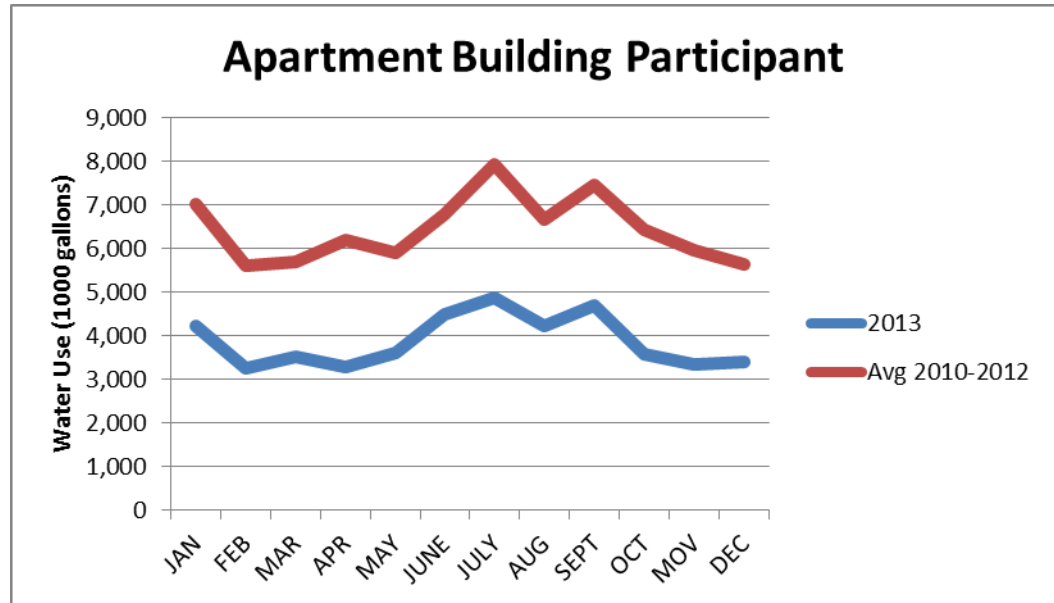


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## Case Studies

- Several thousand fixtures have been installed throughout about 40 properties.
- Customer surveys show very high satisfaction level with program and products
- Reduction in water use between 15-40%
- Program has comparatively low cost per acre foot for water savings



**Saved 30.8 million gallons of water/year and \$196,000/year in water and sewer costs!**

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# More Case Studies

Customer Name	Annual Savings (gallons)	Annual Savings (acre feet)	% Reduction	Annual Utility Bill Savings (Water and Sewer)
Property A (800 units)	30,800,000	94.5	40%	\$196,000
Property B (130 units)	1,700,000	5.2	34%	\$10,000
Property C (240 units)	18,600,000	57.1	31%	\$15,800

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# Colorado SB14-103 In a nutshell



- On a statewide basis, phases out the sale of less efficient fixtures and requires WaterSense™-labeled versions in their place

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# A long road....



- Efforts started years ago—unsuccessful first attempt
- Denver Water decided to champion efforts
- Research, research, research
- Outreach, outreach, outreach
- Coalition building, coalition building, coalition building
- Timing, timing, timing!

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# Technical Research

**Lots of questions to answer....**

- **Where have similar things already happened? Did they have problems?**
- **Are there conflicts with plumbing code?**
- **Drainline carry issues?**
- **Septic systems?**
- **Consumer choice?**
- **Performance?**
- **Availability?**
- **Water Savings?**

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# Hearings and Bill Passage



What do two dogs, Big Bird, and [Jerry Seinfeld](#) have to do with water conservation?



# What's Next?

- Continued outreach and education
- Phase-out of fixtures and adjusting rebates
- Colorado Water Conservation Board and reporting
- Evaluation of Amendments to add other products



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# Resources to help answer questions about SB-103

- **WaterSense website**
  - Detailed [specification](#) on each product
  - [Fact Sheet](#) on each product
  - [FAQ](#) on each product
- **CWCB**

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