

# Water Use Efficiency

Conservation planning  
under new state law



CHELAN COUNTY  
**WATER &  
WASTEWATER**

June 18, 2007

# Today's presentation

- Informational
- Background on water law
- Elements of draft water use efficiency program
- Next steps



# Water Use Efficiency Rule

- Part of Municipal Water Supply Efficiency Requirements Act of 2003
- Went into effect Jan. 22, 2007 for purveyors with 1,000+ connections
  - General system (Wenatchee area), including Squilchuck
- Goes into effect Jan. 22, 2008 for purveyors with fewer than 1,000 connections
  - Dryden, Ollala, Chelan Ridge, Chelan Falls
- Must comply within one year of effective date

# Water Use Efficiency Rule

## ➤ Key elements

- 1) Collect and analyze data; identify potential items for improvement
- 2) Meet a distribution system leakage standard (10%) to minimize water loss
- 3) Set quantifiable and measurable water use efficiency goals through a public process
- 4) Evaluate or implement measures to achieve efficiency goals
- 5) Report progress annually to customers and the Department of Health

# The elements

- 3) Set goals and establish measures
  - No minimum number of goals required
  - Goal #1 - Reduce distribution system leakage from 15.2% to less than 12.5% by 2013
  - Goal #2: Reduce third-tier (10,000+ gallons per month) water consumption by 5% by 2013

# Goal #1

- How we plan to meet Goal #1 (reduce system leakage from 15.2% to less than 12.5%)
  - Correct large meter installations
    - Installation issues with large meters that were discovered during AMR will be corrected
  - Test and/or calibrate water meters
    - During AMR, random sample of older meters found some registered only 30% of actual water flow
    - Establish testing and replacement program
  - Implement water loss control action plan

# Goal #2

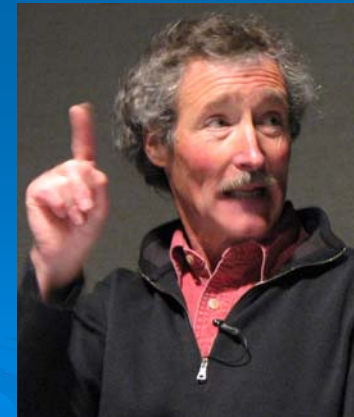
- Goal #2: Reduce third-tier (10,000+ gallons per month) water consumption by 5% by 2013
- How we plan to meet that goal:



# Goal #2

## ➤ Continue focus on existing successful programs

- Conservation rates
- Automated meter reading (AMR)
- Xeriscape program
- Water Ways newsletter
- Comprehensive Web site
- Conservation loans




# Goal #2

- Reduce third-tier summer use through:
  - irrigation system improvements
  - watering at appropriate times of the day
  - reducing lawn size
  - landscaping with “hardscape” materials such as pavers, bricks and rocks
  - planting native and Xeriscape plants



# Goal #2

- Evaluate potential effectiveness of indoor conservation
    - Low-flow showerheads
    - Low-flush toilets
    - Audit kits
    - Water monitors
  
  - Evaluate rates
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# Impacts & Benefits

- No new \$\$\$ needed - measures can be completed within existing budgets of Water Department and Energy Services
- Allow service to more customers with existing infrastructure
- Allow service to more customers with existing water rights

# Next steps

- Draft plan posted on Web site
- Opportunity to comment
  - Web form
  - E-mail
  - Phone
  - At public hearing July 9  
(part of regular board meeting)

# Next steps

- Legal ad June 24
  - Display ads June 24 and July 1
  - Comments presented to board on July 9
  - Plan submitted to local agencies for review by July 30
  - To Department of Health by Oct. 31
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# Questions?

