

Water Use Efficiency Program Goals 2014-2019

1. Save a cumulative total of six million gallons of water by 2019.
2. Reduce distribution system leakage to 10 percent or less of total water produced per year.

Estimated Savings Achieved by 2014-2019 WUE Program

Measure	Estimated Average Annual Savings					
	2014	2015	2016	2017	2018	2019
Public Outreach	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Indoor Retrofit Kits	265,020	530,040	795,060	1,060,080	1,325,100	1,590,120
Shower Timers	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
School Outreach	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Toilet Leak Kits	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Soil Moisture Meters	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Rain Barrel Program	21,000	42,000	63,000	84,000	105,000	126,000
System Leak Detection & Repair	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Bill Showing Consumption History	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Large Meter Testing	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Annual Total	286,020	572,040	858,060	1,144,080	1,430,100	1,716,120
Cumulative Total	--	--	--	--	--	6,006,420

*N/Q = Not Quantifiable

2014-2019 WUE Program Measure Assumptions

- 25 indoor retro-fit kits sold per year
- 80% implementation rate
- Household use based on 2.52 people/household
- Shower times based on national average of 8.2 minutes/shower
- Showerhead/faucet flows rates multiplied by .675 to obtain average actual flow rates
- Showerheads/faucets, post-1994 rated at 2.5 gallons/minute
- 35 rain barrels sold/distributed per year
- Rain barrel turnover rate at 11 times per year

Water Use Efficiency Program Goals 2008-2013

1. Reduce consumption per Equivalent Residential Units from 178 gallons per service per day to 175 gallons per service per day.

Outcome: Equivalent Residential Units are 160 gallons per service per day

2. Reduce the summer peak flows from 1.7 times Average Daily Demand to 1.6 times Average Daily Demand.

Outcome: Summer Peak Flows are 1.7 times Average Daily Demand

3. Reduce distribution system leakage by one percent.

Outcome: Distribution System Leakage three-year rolling average is 8.8 percent.

Estimated Savings Achieved by 2008-2013 WUE Program

Measure	Estimated Average Annual Savings					
	2008	2009	2010	2011	2012	2013
Public Outreach	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Indoor Retrofit Kits	159,012	159,012	159,012	159,012	159,012	424,032
Shower Timers	--	N/Q	N/Q	N/Q	N/Q	N/Q
School Outreach	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Toilet Leak Kits	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Soil Moisture Meters	--	--	--	--	N/Q	N/Q
Rain Barrel Program	--	--	60,000	120,000	180,000	210,000
System Leak Detection & Repair	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Bill Showing Consumption History	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Large Meter Testing	N/Q	N/Q	N/Q	N/Q	N/Q	N/Q
Annual Total	159,012	159,012	219,012	279,012	339,012	634,032
Cumulative Total	--	--	--	--	--	1,789,092

*N/Q = Not Quantifiable

2008-2013 WUE Program Measure Assumptions

- 80 indoor retro-fit kits were distributed free in year one
- 15% implementation rate
- Household use based on 2.52 people/household
- Shower times based on national average of 8.2 minutes/shower
- Showerhead/faucet flows rates multiplied by 0.675 to obtain average actual flow rates
- Showerheads/faucets, post-1994 rated at 2.5 gallons/minute
- Rain barrel turnover rate at 11 times per year