



Post Oak Savannah Groundwater Conservation District

WATERWISE™ PROGRAM SUMMARY REPORT

SPONSORED BY:



SUBMITTED BY:
RESOURCE ACTION PROGRAMS®



2009 - 2010

Post Oak Savannah Groundwater Conservation District WaterWise Program

Sponsored by:



Program Summary Report 2009 - 2010

Submitted By:

Resource Action Programs®



August 2010

Table of Contents

Executive Summary.....	1
Program Overview.....	3
Program Materials.....	4
Program Implementation.....	5
Program Impact.....	7
A. Home Survey and Retrofits	7
B. Knowledge Gained	8
C. Water and Energy Savings Summary.....	9
D. Participant Response.....	10
E. Program Enhancements	12
Appendices.....	13
A. Water and Energy Savings Projections.....	14
B. Home Survey and Retrofit Data.....	17
C. Teacher Evaluation Data.....	21



EXECUTIVE SUMMARY

This report summarizes the 2009-2010 Post Oak Savannah Groundwater Conservation District WaterWise Program which was welcomed and implemented by teachers at Buckholts School, Caldwell Intermediate School, Cameron Elementary School, Gause Elementary School and Milano Elementary School. The program was used by two hundred ten (210) fourth-grade students, teachers and their families, and was funded by Post Oak Savannah Groundwater Conservation District.

The program is a fully implemented, multi-resource efficiency-education program designed to facilitate installation of efficiency measures in homes and build knowledge of environmental issues. The program yields a variety of measurable water and energy savings results using the best messengers – students. The program

delivers a proven blend of teacher-designed classroom activities with hands-on home projects to install high-efficiency devices and introduce resource-conscious behavior to students and their families. Both educational studies and utility evaluations prove the importance of addressing various learning styles to maximize learning and the adoption of new



The program delivered a proven blend of teacher-designed classroom activities with hands-on home projects to install high-efficiency devices .

"As a teacher, the aspect of the Program/materials I liked best was (that) the importance of water conservation was stressed."

**Beverly Renner, Teacher
Gause Elementary School**

behaviors. A critical element of this approach is the actual use of the new knowledge through reporting. The reporting function provides reinforcement of new concepts while increasing participation and persistence. An overview of the results from the program appears below, with greater detail in the appendices.

Participant Satisfaction: Successful programs excite and engage participants. Students, teachers, and parents/guardians are all asked to evaluate the program and provide personal comments. Specifically:

- **100% of participating teachers indicated that parents supported the Program.**
- **100% of participating teachers indicated they would recommend this Program to other colleagues.**
- **100% of participating teachers indicated they would conduct this Program again.**

(A summary of responses can be found in Appendix C, Teacher Evaluation Data)

Knowledge Gained: Identical surveys were taken by students prior to the program and again upon program completion to measure knowledge gained. Scores and subject knowledge improved from **58% to 68%**.

Data Obtained: A Home Check-Up was performed by students and their families, collecting household demographic and usage data along with program participation information.

- **76% reported that their family homes were owned.**
- **53% reported that their water was heated by electricity.**
- **22% reported that their homes had an automatic sprinkler system.**

(A summary of responses can be found in Appendix B, Home Check-Up)

Measures Installed: Students completed retrofit Home Activities as part of the program, and reported the measures they installed in their own homes. Specifically:

- **49% reported they installed the High-Efficiency Showerhead.**
- **45% reported they installed the Bathroom Aerator.**

(A summary of responses can be found in Appendix B, Home Activities)

Water and Energy Savings Results: In addition to educating students and their parents/guardians, the primary program goal for utility sponsors is to generate cost effective water and energy savings. Student Home Surveys not only provided the data used in Projected Resource Savings, but also reinforced the learning benefits.

Projected Resource Savings

(A list of assumptions and formulas used for these calculations can be found in Appendix A)

Projected Annual Savings

2,134,863	gallons of water saved
5,851	therms of gas saved
125,651	kWh electricity saved
2,134,863	gallons wastewater saved

Projected Average Annual Savings per Home

10,166	gallons of water saved
28	therms of gas saved
598	kWh electricity saved
10,166	gallons wastewater saved

Projected Ten Year Savings

18,907,141	gallons of water saved
51,816	therms of gas saved
1,112,812	kWh electricity saved
18,907,141	gallons wastewater saved

Projected Average Ten Year Savings per Home

90,034	gallons of water saved
247	therms of gas saved
5,299	kWh electricity saved
90,034	gallons wastewater saved



PROGRAM OVERVIEW

For more than sixteen years, Resource Action Programs (RAP) has designed and implemented resource efficiency and education programs – changing household water and energy use while delivering significant, measurable resource savings for program sponsors. All RAP Programs feature a proven blend of innovative education, comprehensive implementation services, and hands-on activities to put new knowledge to work in students' homes.

RAP Programs serve more than 300,000 households each year through elementary school, middle school, and adult programs. Our fifty person staff manages the implementation process and program oversight for nearly 200 individual programs annually. Recognized nationally as a leader in water and energy efficiency education and program design, RAP has a strong reputation for providing a high level of client service to its sponsors as part of a wide range of conservation and resource efficiency solutions for municipalities, utilities, states, community agencies and corporations.



RAP Programs serve more than 300,000 households each year through elementary school, middle school, and adult programs.

All aspects of program design and implementation are completed from the Program Center in Sparks, Nevada. These include graphic and web design, print production, warehousing and distribution, kit production, marketing, program tracking, data tabulation and reporting.

The school-based WaterWise Program is fully implemented and designed to generate immediate and long-term savings by bringing interactive “real world” education home with motivated students. The program staff identifies and enrolls students and teachers within the designated service territory. Enrolled participants receive educational materials designed to build knowledge and demonstrate simple ways to save, by not only changing habits, but also changing devices. Materials meet state and national educational standards, which allow the program to easily fit into teachers' existing schedules and requirements.

The program begins with classroom discussions teaching the importance of using water and energy efficiently, followed by hands-on, creative problem solving. Next, participants take home a WaterWise Kit that contains high-efficiency measures. With the help of their parents/guardians, they install the measures in their home and complete a Home Survey. The WaterWise staff tabulates all responses, including Home Survey information, teacher responses, student input, parent/guardian responses, and generates a Program Summary Report. By installing and monitoring the new efficiency measures in their own homes, students are able to measure what they learned with actual water, energy, and monetary savings! These savings benefit both the participating student households and their communities.

Each participant receives classroom materials and a WaterWise Kit containing efficiency measures for their homes to perform the hands-on activities. Modifications were made to select materials which incorporated Post Oak Savannah Groundwater Conservation District's logo and color scheme.

Each student/teacher receives:

Student Guide
Student Workbook
Program Introduction Letter to Parent/Guardian*
Home Survey Scantron Form
Certificate of Achievement
WaterWise Kit containing:

- High-Efficiency Showerhead*
- Kitchen Aerator*
- Bathroom Aerator*
- Mini Tape Measure
- Digital Thermometer*
- Drip/Rain Gauge*
- Flow Rate Test Bag
- Natural Resource Fact Chart
- Toilet Leak Detector Tablets*
- Parent/Guardian Comment Card

"GetWise" Wristband
Unlimited Interactive Program Website Access
Toll Free HELP Line

Each teacher/classroom receives:

Teacher Book
Step-by-Step Program Checklist
Lesson Plans
Program Video (VHS and DVD)
Teacher Program Evaluation/Enrollment Form
Supplemental Activities*
Texas State Education Standards
Correlation Chart
Pre/Post Scantron Survey Answer Keys
Classroom Water Poster
Self-Addressed Postage-Paid Envelope



*Materials/Installation Instructions
Provided in English and Spanish



PROGRAM **IMPLEMENTATION**

The 2009-2010 Post Oak Savannah Groundwater Conservation District WaterWise Program followed this comprehensive implementation schedule:

1. Identification of Texas State Education Standards & Benchmarks
2. Curriculum development and refinement (completed annually)
3. Curriculum correlation to Texas State Education Standards & Benchmarks
4. Materials modification to incorporate Post Oak Savannah Groundwater Conservation District's logo and color scheme
5. Incentive program development
6. Teacher/school identification – with Post Oak Savannah Groundwater Conservation District's approval
7. Teacher outreach and program introduction
8. Teachers enrolled in the program individually
9. Implementation dates scheduled with teachers
10. Program material delivered to coincide with desired implementation date
11. Delivery confirmation
12. Periodic contact to ensure implementation and teacher satisfaction
13. Program completion incentive offered
14. Results collection
15. Program completion incentive delivered to qualifying participants
16. Thank-you cards sent to participating teachers
17. Data analysis
18. Program Summary Report

Participating teachers are free to implement the program to coincide with their lesson plans and class schedules. The next table is a comprehensive list of fourth-grade classrooms that participated during the 2009-2010 school year.

School	Teacher	Teachers	Students
Buckholts School	Nikki Cottrell	1	15
Caldwell Intermediate School	Carah Burns	1	20
Cameron Elementary School	Bonnie Tumlinson	1	120
Gause Elementary School	Beverly Renner	1	14
Milano Elementary School	Wendy Morgan	1	19
Milano Elementary School	Dorcas Popham	1	16

<i>Totals</i>	6	204
<i>Total Participants</i>	210	



The Post Oak Savannah Groundwater Conservation District WaterWise Program has had a significant impact within the community. As illustrated below, the program successfully educated a portion of the community about water and energy efficiency while generating resource savings through the installation of efficiency measures in homes. Home Survey information was collected to track savings and provide household consumption and audit data to sponsors. Program evaluations and comments were collected from teachers, students, and parents/guardians. The following program elements were used to collect this data:

A. Home Survey and Retrofits

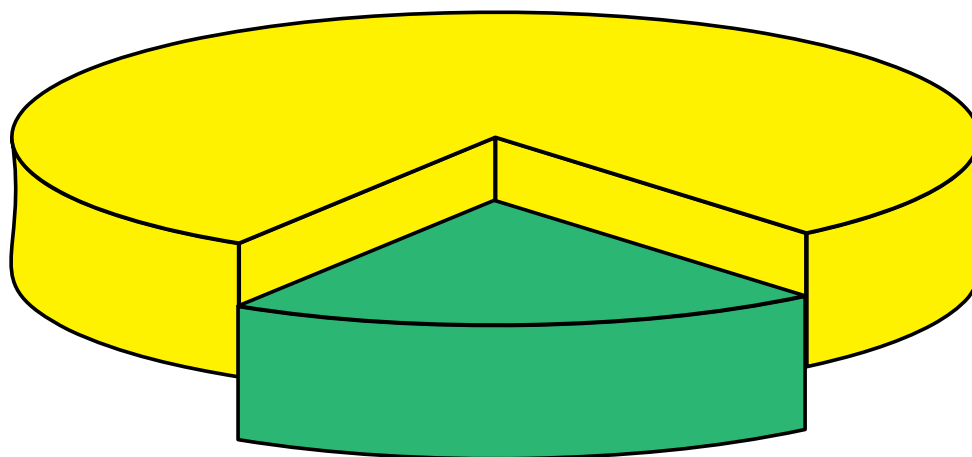
Upon completion of the program, participating families are asked to complete a Home Survey to assess their resource use, verify product installation, provide demographic information and measure participation rates. A few samples of questions asked are below while a complete summary of all responses is included in the appendices.

Did you install the new High-Efficiency Showerhead?	Yes - 49%
Did you work with your family on this Program?	Yes - 80%
How is your water heated?	Electricity - 53%

Did you work with your family on this Program?

**Yes
80%**

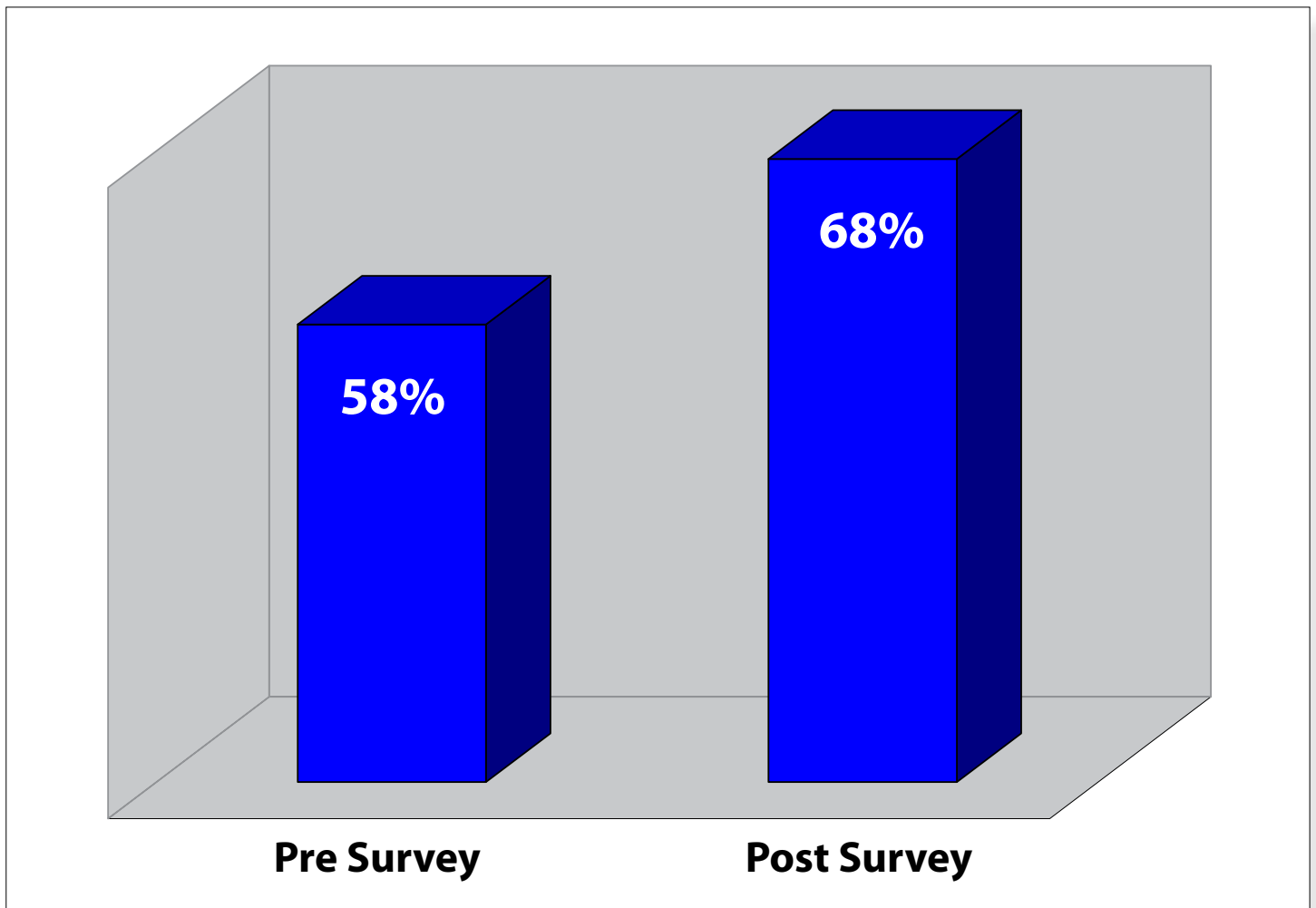
**No
20%**



B. Knowledge Gained

On the Home Survey students were asked to complete ten questions before the program was introduced and then again after it was completed to determine the knowledge gained through the program. The average student answered **5.8** questions correctly prior to being involved in the program and then improved to answer **6.8** questions correctly following participation.

Scores improved from 58% to 68%





C. Water and Energy Savings Summary

As part of the program, parents/guardians and students installed resource efficiency measures in their homes. They also measured the pre-existing devices to calculate savings that they generated. Using the family habits collected from the Home Survey as the basis for this calculation, two hundred ten (210) households are expected to save the following resource totals. Savings from these actions and new behaviors will continue for many years to come.

Projected Resource Savings

Number of Participants:

210

Reduction from showerhead retrofit:
Product Life: 10 years

Annual

1,646,565
4,513
96,911

Lifetime

16,465,646 gallons
45,125 therms
969,114 kWh

Reduction from kitchen aerator retrofit:
Product Life: 5 years

252,025
691
14,833

1,260,126 gallons
3,453 therms
74,167 kWh

Reduction from bathroom aerator retrofit:
Product Life: 5 years

236,274
648
13,906

1,181,368 gallons
3,238 therms
69,531 kWh

TOTAL PROGRAM SAVINGS:

2,134,863
5,851
125,651

18,907,141 gallons
51,816 therms
1,112,812 kWh

TOTAL PROGRAM SAVINGS PER HOUSEHOLD:

10,166
28
598

90,034 gallons
247 therms
5,299 kWh

D. Participant Response

Program improvements are based on participant feedback received from each program. Students and teachers are each asked to evaluate relevant aspects of the program. Each response is reviewed for pertinent information to both the program and the program sponsor. The following is a sample of feedback collected during the program.

Teacher Response

(A summary of responses can be found in Appendix C)

100% of participating teachers indicated they would conduct the Program again given the opportunity.

100% of participating teachers indicated they would recommend the Program to their colleagues.

In my opinion, the thing the students like best about the materials/Program was:

"...getting the kits. They were so excited."

Beverly Renner, Gause Elementary School

"... (the) shower head in the kit."

Bonnie Tumlinson, Cameron Elementary School

As a teacher, the aspect of the Program/materials I liked best was:

"... (that) the importance of water conservation was stressed."

Beverly Renner, Gause Elementary School

In the future, one thing I would change would be:

"The green book of instructions was a little wordy."

Bonnie Tumlinson, Cameron Elementary School



Parent Comments: From both a utility and teacher perspective, parent/guardian involvement with program activities and their children is of paramount interest. When parents/guardians take an active role in their child's education it helps the schools and strengthens the educational process considerably. When students successfully engage their families in the retrofit and home efficiency projects, utility efficiency messages have been powerfully delivered to two generations in the same household. The program is a catalyst for this family interaction, which is evidenced by the parent/guardian comments which are received each year. An excerpt is presented below.

Parent/Guardian Response

As a parent, which aspect of the Program did you like best?

"...the flow rate test which showed the efficiency of different water fixtures."

Armando Rojas, Elementary School

E. Program Enhancements

In addition to increasing resource awareness and efficiency, the program strengthens bonds between sponsors and their communities. The program has been designed from start to finish with this in mind. Some of the steps taken to ensure our sponsors receive the greatest possible exposure are as follows:

Promotion of Sponsor Programs: Program materials can be used to publicize and boost enrollment in additional efficiency program opportunities. This option was not used, however, WaterWise can easily promote residential programs such as toilet replacement or other programs.

Custom Branding: Each WaterWise Kit was labeled with the Post Oak Savannah Groundwater Conservation District logo. In addition to the WaterWise Kit, the Program Introduction Letter to Parent/Guardian and Teacher Program Evaluation featured sponsor branding.

Parents/Guardians: SAVE up to...

\$237* per year on your utilities!

See reverse side for details

What would your family do with an additional \$237? Your family has been selected to participate in the exciting WaterWise™ Program. This educational Program is being provided to your child at **NO COST** to you, the school, or the district. Your family can save up to \$237* on your home utility bills! On average, that's about 3.8 tanks of gas!***

WHO: Your child

WHERE: At school and at home

WHEN: Your child's teacher will establish a time line for activities to be completed

WHAT: Post Oak Savannah Groundwater Conservation District has teamed up with Resource Action Programs to bring you the WaterWise Program, a nationally acclaimed program developed to teach students easy and effective ways to use water more efficiently in their homes. Over the last 15 years hundreds of thousands of families across America have participated in this effective and enjoyable learning experience which has yielded tremendous water and energy savings for families just like yours! Your child will receive a WaterWise Kit valued at \$50 which includes high-quality, high performing products utilizing the latest in water efficient technologies. Your child will receive practical homework assignments designed to help you measure home water use, as well as actual devices to install which will help your family save money. Every assignment will closely follow your state's education curriculum standards for science and math and will teach life-long water efficient practices.


WHY: You will save water and energy in your home, which can save you and your family


All materials and instruction will be provided and additional Program support can be obtained by calling the Resource Action Programs Information Center toll-free at 1-888-GET-WISE. Help your child complete the activities provided with the Program and save up to \$237* per year on utilities.

See reverse side for more details on the WaterWise Program Savings!

*All savings estimates are based on typical household implementing all suggested changes. Your personal savings may vary per state and utility.
***Amount based on average tank size of a mid-sized vehicle. Gas price based on 2008 U.S. averages and vary per location.

WWW.GETWISE.ORG **1-888-GET-WISE**





PROGRAM EVALUATION

In an effort to improve our Program, we would like your assessment of the WaterWise™ Program. Please take a few moments to fill out this *Teacher Evaluation Form*. Upon completion, please return the form in the self-addressed postage-paid envelope along with the results you collected. Don't forget to enroll for next year using the form on the back of this sheet.


School: _____
Teacher: _____
Sponsor: _____

Please check the box that best describes your opinion:

	STRONGLY AGREE	AGREE	DISAGREE	STRONGLY DISAGREE
1. The materials were attractive and easy to use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. The materials and activities were well received by students.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The materials were clearly written and well organized.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. The conservation tools inside the kit were easy for students to use.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Students indicated that their parents supported the Program.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
6. If you had the opportunity, would you conduct this Program again?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Would you recommend this Program to other colleagues?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

REMINDER:

DON'T FORGET TO RETURN THIS FORM WITH YOUR CLASSES' SCANTRONS BY JUNE 1ST TO RECEIVE A \$100 MINI GRANT FOR YOUR CLASSROOM.



In my opinion, the thing the students like best about the materials/Program was:

In the future, one thing I would change would be:

As a teacher, the aspect of the Program/materials I liked best was:

Total number of students participating and receiving certificates in the Program: _____

Total number of Scantron Forms returned: _____

Teacher Signature: _____

Date: _____

By submitting this survey I hereby waive any fee or other compensation from Resource Action Programs for the use of said quotation in any publication, report, transcription, electronic medium, or recording of the above mentioned said quotation.



Appendix Contents

A. Water and Energy Savings Projections.....14

B. Home Survey and Retrofit Data..... 17

C. Teacher Evaluation Data..... 21

Projected Savings from Showerhead Retrofit

Average household size:	2.74 people ³
Average length of use:	8.00 minutes per day ⁴
Product life:	10.00 years ¹
Average showerhead has a flow rate of:	4.00 gallons per minute ⁴
Oxygenics showerhead has flow rate of:	2.00 gallons per minute ¹
Flow reduction:	2.00 gallons per minute

Water:

Average showerhead requires:	87.68 gallons per day
Retrofit showerhead requires:	43.84 gallons per day
Showerhead produces an annual reduction of:	16,001.60 gallons
Showerhead produces a lifetime reduction of:	160,016 gallons

Gas:

Average showerhead requires:	0.51 therms per day
Retrofit showerhead requires:	0.26 therms per day
% of water heated by gas:	47% ²
Showerhead produces an annual reduction of:	44 therms
Showerhead produces a lifetime reduction of:	439 therms

Electricity:

Average showerhead requires:	9.74 kWh per day
Retrofit showerhead requires:	4.87 kWh per day
% of water heated by electricity:	53% ²
Showerhead produces an annual reduction of:	942 kWh
Showerhead produces a lifetime reduction of:	9,418 kWh

Installation / participation rate of:	49% ²
Number of Participants	210 ²

Total reduction from showerhead retrofit:

Annual:	1,646,565 gallons
	4,513 therms
	96,911 kWh

Lifetime:	16,465,646 gallons
	45,125 therms
	969,114 kWh

¹ Provided by manufacturer.

² Data reported by program participants.

³ (2010, July 7). Retrieved July 7, 2010, from U.S. Census Bureau State and County Quick Facts Web site: <http://quickfacts.census.gov/qfd/states/48000.html>

⁴ (2001). In Southern California Edison Evaluation of 2000-2001 School Programs Ridge & Associates.

Projected Savings from Kitchen Aerator Retrofit

Average household size:	2.74 people ³
Average length of use:	2.50 minutes per day ⁴
Product life:	5.00 years ¹
Average kitchen aerator has a flow rate of:	2.50 gallons per minute ⁴
Retrofit kitchen aerator has flow rate of:	1.50 gallons per minute ¹
Flow reduction:	1.00 gallons per minute

Water:

Average kitchen aerator requires:	17.13 gallons per day
Retrofit kitchen aerator requires:	10.28 gallons per day
Retrofit kitchen aerator produces an annual reduction of:	2,500 gallons
Retrofit kitchen aerator produces a lifetime reduction of:	12,501 gallons

Gas:

Average kitchen aerator requires:	0.10 therms per day
Retrofit kitchen aerator requires:	0.06 therms per day
% of water heated by gas:	<div style="background-color: #90EE90; border: 1px solid black; padding: 2px;">47%</div> ²
Retrofit kitchen aerator produces an annual reduction of:	7 therms
Retrofit kitchen aerator produces a lifetime reduction of:	34 therms

Electricity:

Average kitchen aerator requires:	1.90 kWh per day
Retrofit kitchen aerator requires:	1.14 kWh per day
% of water heated by electricity:	<div style="background-color: #90EE90; border: 1px solid black; padding: 2px;">53%</div> ²
Retrofit kitchen aerator produces an annual reduction of:	147 kWh
Retrofit kitchen aerator produces a lifetime reduction of:	736 kWh

Installation / participation rate of:	<div style="background-color: #90EE90; border: 1px solid black; padding: 2px;">48%</div> ²
Number of Participants	<div style="background-color: #90EE90; border: 1px solid black; padding: 2px;">210</div> ²

Total reduction from kitchen aerator retrofit:

Annual: 252,025 gallons
691 therms
14,833 kWh

Lifetime: 1,260,126 gallons
3,453 therms
74,167 kWh

¹ Provided by manufacturer.

² Data reported by program participants.

³(2010, July 7). Retrieved July 7, 2010, from U.S. Census Bureau State and County Quick Facts Web site:
<http://quickfacts.census.gov/qfd/states/48000.html>

⁴(2001). In Southern California Edison Evaluation of 2000-2001 School Programs Ridge & Associates.

Projected Savings from Bathroom Aerator Retrofit

Average household size:	2.74 people ³
Average length of use:	2.50 minutes per day ⁴
Product life:	5.00 years ¹
Average bathroom aerator has a flow rate of:	2.00 gallons per minute ⁴
Retrofit bathroom aerator has flow rate of:	1.00 gallons per minute ¹
Flow reduction:	1.00 gallons per minute

Water:

Average bathroom aerator requires:	13.70 gallons per day
Retrofit bathroom aerator requires:	6.85 gallons per day
Retrofit bathroom aerator produces an annual reduction of:	2,500 gallons
Retrofit bathroom aerator produces a lifetime reduction of:	12,501 gallons

Gas:

Average bathroom aerator requires:	0.08 therms per day
Retrofit bathroom aerator requires:	0.04 therms per day
% of water heated by gas:	47% ²
Retrofit bathroom aerator produces an annual reduction of:	7 therms
Retrofit bathroom aerator produces a lifetime reduction of:	34 therms

Electricity:

Average bathroom aerator requires:	1.52 kWh per day
Retrofit bathroom aerator requires:	0.76 kWh per day
% of water heated by electricity:	53% ²
Retrofit bathroom aerator produces an annual reduction of:	147 kWh
Retrofit bathroom aerator produces a lifetime reduction of:	736 kWh

Installation / participation rate of:	45% ²
Number of Participants	210 ²

Total reduction from bathroom aerator retrofit:

Annual:	236,274 gallons
	648 therms
	13,906 kWh
Lifetime:	1,181,368 gallons
	3,238 therms
	69,531 kWh

¹ Provided by manufacturer.

² Data reported by program participants.

³ (2010, July 7). Retrieved July 7, 2010, from U.S. Census Bureau State and County Quick Facts Web site: <http://quickfacts.census.gov/qfd/states/48000.html>

⁴ (2001). In Southern California Edison Evaluation of 2000-2001 School Programs Ridge & Associates.

Home Survey and Retrofit Data

Home Check-Up

1 What type of home do you live in?

Single family home	82%
Multi-family (2-4 units)	10%
Multi-family (5-20 units)	1%
Multi-family (21+ units)	7%

2 Was your home built before 1992?

Yes	75%
No	25%

3 Is your home owned or rented?

Owned	76%
Rented	24%

4 How many kids live in your home (age 0-17)?

1	14%
2	32%
3	31%
4	10%
5+	13%

5 How many adults live in your home (age 18+)?

1	15%
2	69%
3	10%
4	3%
5+	2%

6 Does your home have an automatic sprinkler system?

Yes	22%
No	78%

7 Does your home have a dishwasher?

Yes	58%
No	42%

8 How many half-bathrooms are in your home?

0	83%
1	11%
2	4%
3	2%
4+	0%

9 How many full bathrooms are in your home?

1	43%
2	46%
3	7%
4	2%
5+	1%

10 How many toilets are in your home?

1	40%
2	46%
3	11%
4	2%
5+	1%

11 How is your water heated?

Natural Gas	47%
Electricity	53%

Home Activities

1 Did you install the new High-Efficiency Showerhead?

Yes	49%
No	51%

2 What is the flow rate of your old showerhead?

0 - 1.0 gpm	9%
1.1 - 1.5 gpm	24%
1.6 - 2.0 gpm	20%
2.1 - 2.5 gpm	15%
2.6 - 3.0 gpm	19%
3.1+ gpm	13%

3 What is the flow rate of your new showerhead?

0 - 1.0 gpm	25%
1.1 - 1.5 gpm	43%
1.6 - 2.0 gpm	32%

4 Was your toilet leaking?

Yes	28%
No	72%

5 Did your family install the Bathroom Aerator?

Yes	45%
No	55%

6 What is the flow rate of your old bathroom faucet?

0 - 1.0 gpm	14%
1.1 - 1.5 gpm	22%
1.6 - 2.0 gpm	24%
2.1 - 2.5 gpm	15%
2.6 - 3.0 gpm	14%
3.1+ gpm	10%

7 Did your family install the Kitchen Aerator?

Yes	48%
No	52%

8 What is the flow rate of your old kitchen faucet?

0 - 1.0 gpm	12%
1.1 - 1.5 gpm	24%
1.6 - 2.0 gpm	22%
2.1 - 2.5 gpm	13%
2.6 - 3.0 gpm	18%
3.1+ gpm	12%

9 How many faucets are leaking?

0	72%
1	19%
2	4%
3	4%
4	2%
5+	0%

10 Did you work with your family on this Program?

Yes	80%
No	20%

11 Did your family change the way they use water outdoors?

Yes	47%
No	53%

12 Did your family change the way they use water?

Yes	71%
No	29%

13 How would you rate the WaterWise™ program?

Great	33%
Pretty good	31%
Okay	30%
Not so good	6%

Teacher Evaluation Data

1 The materials were attractive and easy to use.

Strongly Agree	50%
Agree	50%
Disagree	0%
Strongly Disagree	0%

2 The materials and activities were well received by students.

Strongly Agree	50%
Agree	50%
Disagree	0%
Strongly Disagree	0%

3 The materials were clearly written and well organized.

Strongly Agree	50%
Agree	50%
Disagree	0%
Strongly Disagree	0%

4 The conservation technologies were easy for students to use.

Strongly Agree	50%
Agree	50%
Disagree	0%
Strongly Disagree	0%

5 Students indicated that their parents supported the program.

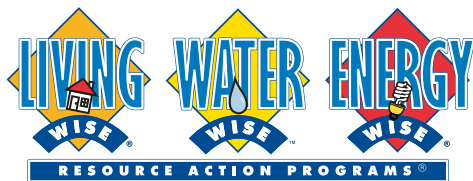
Strongly Agree	50%
Agree	50%
Disagree	0%
Strongly Disagree	0%

6 If you had the opportunity, would you conduct this program again?

Yes	100%
No	0%

7 Would you recommend this program to other colleagues?

Yes	100%
No	0%



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