

California Urban
Water Conservation Council

Best Management Practices
Report Filing

FY 2003

Water Supply & Reuse

Reporting Unit:

Santa Fe Irrigation District

Year:

2003

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
SDCWA	9689.1	Imported
Lake Hodges	3229.7	Local Watershed

Total AF: 12918.8

Accounts & Water Use

Reporting Unit Name:
Santa Fe Irrigation District

Submitted to
 CUWCC
 12/01/2004

Year:
2003

A. Service Area Population Information:

1. Total service area population 20758

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	5395	10384.6	0	0
2. Multi-Family	467	856	0	0
3. Commercial	308	520.7	0	0
4. Industrial	0	0	0	0
5. Institutional	79	405.4	0	0
6. Dedicated Irrigation	152	741.2	0	0
7. Recycled Water	0	0	0	0
8. Other	502	10.9	0	0
9. Unaccounted	NA	427.6	NA	0
Total	6903	13346.4	0	0

Metered

Unmetered

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 08/26/1991, your Agency STRATEGY DUE DATE is: | 08/25/1993 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 07/01/1990 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 07/01/1990 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	5395	467
2. Number of surveys completed:	17	2

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|-----------------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | yes | yes |
| 9. Measure total irrigable area (Recommended but not required for surveys) | yes | yes |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | Odometer Wheel |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | yes | yes |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | yes | yes |
| a. If yes, in what form are surveys tracked? | | manual activity |
| b. Describe how your agency tracks this information. | | |

Surveys were done in Wordperfect, and Word, most all are saved on the computer. Some surveys were manually filed in binders.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3900	5000
2. Actual Expenditures	4200	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The District has continued to offer water management surveys to its customers since 1990. The program originally began during the drought and was offered to all customers who exceeded their allotments. Although the top 20% of the single and multi-family users are targeted, the program is offered to all customers. District customers are notified of the service through newsletters, water bills, our Customer Service Representative who meets with customers on various issues, one being high water bills, telephone on hold messages, and by new customer letters. The survey entails a review of the water usage history for up to 10 years previous, and is compared by month, and previous years for analysis of the water usage. During the water survey, the meter is monitored for any leak detection both indoors, and outdoors. If there is leakage, the flow rate is calculated in gpm, and projected loss in gallons, and hundred cubic feet for the next billing period. The leak location may also be determined geographically through a process of elimination, by isolating the domestic, and or irrigation valves. Many times the actual location of the leak is identified, if necessary a leak detection company will be suggested. Inside the toilets are tested for leaks using the dye tablets supplied by the District. Sometimes the District will personal will do the test, other times the dye tablets are provided to the customers. The District also supplies low-volume showerheads while supplies last, and faucet aerators for retrofit of the older water fixtures. Flow rates can be determined on all fixtures (gpm) with flow rate calculation bags also distributed to customers, or in many cases, performed by District personnel. Pressures are taken both indoors and outdoors to minimize usage with the suggested proper pressure required since high and low pressures waste water. Indoors, 65 or less is suggested and outdoors for landscape range from 30 to 70 psi for sprinklers. An outdoor landscape survey consists of meeting with the landscape supervisor and property owner if possible to evaluate irrigation efficiency. A visual inspection is performed to determine irrigation system type and plant type. Each station is turned on and problems are documented; any leaks or malfunctions are flagged and discussed with the homeowner and landscapers. Common problems are broken heads, mixed precipitation rates within a station, sunken heads, low drainage, etc. After visual inspection, catch can tests are sometimes performed to show efficiency and to give suggested scheduling throughout the year on turf areas which can also give reference to planters and slopes for their proper watering. Customers are given booklets to better their understanding of the irrigation controller. Hands-on help in setting proper start times, days per week and duration of run times is also provided. Soil probes are given to customers at no cost, so that they can check moisture and soil types, as well as root

depth. When practical, the entire landscape square footage is measured and compared to actual amounts of outdoor usage in an inches-per-square-foot for analysis to determine potential savings on the site. Evaporation data is used from CIMIS in the evaluation to assist in the water management survey. Follow-ups to these surveys are done by request or done for targeted high users periodically to help ensure best management practices for outside irrigation usage.

BMP 02: Residential Plumbing Retrofit

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? no
 - a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? yes
3. Estimated percent of single-family households with low-flow showerheads: 75%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? yes
5. Estimated percent of multi-family households with low-flow showerheads: 75%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

Santa Fe Irrigation District, a member agency of the SDCWA, distributed over 550,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4% while housing demolition is .5%. Effective January 1, 1994 showerheads manufactured in the U.S. must be 2.5 gpm maximum. Data gathered from residential survey program showed an 80-95% saturation of showerheads in homes surveyed. The Authority was unable to secure monies for a formal saturation study during this period, but is continuing to pursue grant funding opportunities in the future.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
 - a. If YES, when did your agency begin implementing this strategy? 07/01/1996
 - b. Describe your targeting/ marketing strategy.

Residential Survey Distribution, direct distribution to customers (Lobby Counter), distribution at Community Events, and by customer request.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	0	0
3. Number of toilet-displacement devices distributed:	0	0
4. Number of toilet flappers distributed:	0	0
5. Number of faucet aerators distributed:	35	0
6. Does your agency track the distribution and cost of low-flow devices?		yes
a. If YES, in what format are low-flow		Spreadsheet

devices tracked?

b. If yes, describe your tracking and distribution system :

The SDCWA documented distribution in the region in a spreadsheet, by region, rather than specific member agencies.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	300	250
2. Actual Expenditures	0	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

Over 500,000 showerheads were distributed in the San Diego County. Since distribution occurred prior to the formal BMP report, consistently accurate records were not kept by the Water Authority Staff- especially at the member agency level. Previously, the Water Authority did not recommend filing an exemption to member agencies, since the Water Authority staff anticipated receiving funding for a saturation study. However, no funding became available during this reporting period. The Water Authority will pursue grant funding during the next reporting cycle. No faucet aerators were purchased this year because we still had sufficient amounts left over from last year.

E. Comments

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:	BMP Form Status:	Year:
Santa Fe Irrigation District	100% Complete	2003

A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year? yes
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 12918.8
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 13346.4
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.97
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? yes
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? yes
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

1. 95% of the distribution system is transite material and leaks are very apparent and always repaired immediately. Leak detection is always monitored during home surveys, customer service appointments and during bi-monthly meter reading. 2. The main transmission mains that run through the District are CML&C piping mostly with new transmission mains being C-905, and all are protected and monitored by cathodic protection. The system is inspected yearly by an outside consulting firm and is in excellent shape. With the system working well, it can be assumed that no leakage is occurring. 3. The District's only storage reservoir was last inspected in 1995 and found to be in very good shape. This is done every ten years and all recommendations from the consulting diving company are implemented. There was no leakage observed. The next inspection will be done at the beginning of next reporting period, 2005. 4. The District's source for water is the R.E. Badger Filtration Plant which is jointly owned by the Santa Fe Irrigation District and San Dieguito Water District. The Santa Fe Irrigation District is the lead agency to run and maintain the plant. The 13 million gallon clearwell was last inspected in August 2000. All valves were repaired and all tuberculation was removed. The reservoir is in good shape and the diving consultant hired to inspect the reservoir detected no leaks. One large trunk line that supplies water to SFID and SDWD is not currently protected by cathodic protection. 5. A new 54" parallel transmission line that went into service March of 2002 is protected by cathodic protection. The remaining 54 inch CML&C transmission main and clearwell are currently being investigated as to how to cathodic protect them. This should be completed by April 2005.

B. Survey Data

1. Total number of miles of distribution system line. 163

2. Number of miles of distribution system line surveyed. 163

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	115000	70000
2. Actual Expenditures	65715	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The District is currently going through a recycled water master plan with plans of developing a recycled water system in the Rancho Santa Fe Area. It would be owned and operated by Santa Fe Irrigation District with an expected 500 Acre feet potential. 2006 would be the earliest the the District would see a recycled system in opeeration.Santa Fe Irrigation District is a purveyor for San Elijo Joint Powers Authority reclaimed water. We read the meters and render bills, but the reclaimed water does not go through our system nor do we receive any revenues from it. For tracking purposes 42 reclaimed meters 470 acre foot reclaimed water.

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

- | | |
|---|-----|
| 1. Does your agency require meters for all new connections and bill by volume-of-use? | yes |
| 2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? | no |
| a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed? | |
| b. Describe the program: | |
| 3. Number of previously unmetered accounts fitted with meters during report year. | 0 |

B. Feasibility Study

- | | |
|--|-----|
| 1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? | no |
| a. If YES, when was the feasibility study conducted? (mm/dd/yy) | |
| b. Describe the feasibility study: | |
| 2. Number of CII accounts with mixed-use meters. | 381 |
| 3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. | 0 |

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

- | | |
|--|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
| a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as." | |

E. Comments

When payment is received for a new meter, an Application for Service (AFS) is filled out and sent to the field. After the meter is installed, the completed AFS is sent back to the office and the new account is entered into the computer for billing. In reference to B2-Number of CII accounts with mixed-use meters, the number shows a large increase because in the past a percentage was used after going through accounts with meter shop supervisor, and the Institutional was left out. Now we feel that these numbers are correct, with also omitting the Agriculture Commerical.

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
**Santa Fe Irrigation
 District**

BMP Form Status:
100% Complete

Year:
2003

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 152 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | no |

B. Landscape Surveys

- | | |
|--|-----|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | yes |
|--|-----|

a. If YES, when did your agency begin implementing this strategy?	8/10/1990
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b. Description of marketing / targeting strategy:

Potential customers are prescreened by the review of water usage data records and the comparison of typical patterns of other industry or SIC water usage. Customers that exhibit unusually high water usage relative to the size of the property are sent a letter and a program brochure, inviting them to participate in the program. Dispersal of brochures and advertising to a variety of candidates, homeowners associations as well as large turf customers. Outreach to landscape organizations i.e. California Landscape Contractors Association. Conservation Coordinator's initiative referral to customers calling about high water use bills and needing assistance. A lot of outreach at community events such as community fairs, and Water Awareness Month Celebration. The District Conservation Staff will refer customers to the Program.

- | | |
|---|-----|
| 2. Number of Surveys Offered. | 152 |
| 3. Number of Surveys Completed. | 0 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | yes |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | yes |
| e. Measure Total Irrigable Area | yes |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | yes |

a. If YES, describe below:

C. Other BMP 5 Actions

1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. Does your agency provide mixed-use accounts with landscape budgets? no
2. Number of CII mixed-use accounts with landscape budgets. 0
3. Do you offer landscape irrigation training? yes
4. Does your agency offer financial incentives to improve landscape water use efficiency? yes

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	0	0
b. Loans	0	0	0
c. Grants	0	0	0

5. Do you provide landscape water use efficiency information to new customers and customers changing services? yes

a. If YES, describe below:

Send all new customers a list of all conservation programs. -Include article in Customer Consumer Confidence Report -Water Awareness Month celebration -Press releases to local newspapers.

6. Do you have irrigated landscaping at your facilities? yes
 - a. If yes, is it water-efficient? yes
 - b. If yes, does it have dedicated irrigation metering? no
7. Do you provide customer notices at the start of the irrigation season? no
8. Do you provide customer notices at the end of the irrigation season? no

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	826	826
2. Actual Expenditures	0	

E. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

F. Comments

Santa Fe Irrigation District is now 2005 working with Conservation through San Diego Water District to have Water Budgets available online through past Surveys that have had the irrigated landscapes measured. We have already had a database created with the information needed to allow Watering Budgets to be made available to participating customers. We are now in the process of mailing letters out to all past customers to promote the program. We are also promoting financial

incentives of matching funds for landscape irrigation upgrades. C.4
Financial incentives are offered through Metropolitan Water District's
Conservation Credit program to replace individual controllers with a
Centralized Irrigation Control System .The District also has Professional
Landscape Irrigation training classes on a yearly basis for Companies
that work mainly with HOA's and large landscape areas. The District is
also now looking into having measurements on all areas that are watered
by dedicated irrigation meters. We are presently getting prices on
contract work.

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? yes

a. If YES, describe the offerings and incentives as well as who the energy/waste water utility provider is.

San Diego Gas & Electric provides \$75 rebates on qualified high-efficiency clothes washers in our service area

2. Does your agency offer rebates for high-efficiency washers? yes

3. What is the level of the rebate? 125

4. Number of rebates awarded. 122

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	2349	3335
2. Actual Expenditures	2723.5	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

This agency provides customers with vouchers rather than rebates

BMP 07: Public Information Programs

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The Santa Fe Irrigation District has an ongoing program of communicating with its customers through special mailings, newsletters, bill messages, and on hold phone messages. All new customers are sent a packet of brochures containing information on the District, water quality, and water conservation. The District will provide speakers to community groups upon request. The Metropolitan Water District (MWD) and the San Diego County Water Authority have a very visible public information program that reaches the District's customers. Each year the District does Irrigation training classes for both residential customers and Professional Landscapers at various community complexes. Also included are occasional press releases, billboards, and special water information supplements in area newspapers. Other information resources the District uses are as follows: *Water Awareness Calendars - These are given out to many of our customers. They were created the water awareness poster contest for grade 4 students. SFID and 11 other North County Water Agencies join together to hold a Water Awareness Celebration at one of the local Fire Departments every May. This event has been very beneficial! *The Del Mar Fair 2003- a special booth to promote Water Conservation. *The District maintains a conservation garden at the District office. *Brochures, articles and flyers are distributed at various community events year-round. *The District and the North County Water Agencies group have also joined together in buying a kiosk to use in public libraries and agency offices to help inform the public about water issues. *The District maintains a library covering topics of conservation, landscape, California's water supply, water history, and water quality. Customers may check out material upon request.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	1
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	1
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	365
f. Special Events, Media Events	yes	2
g. Speaker's Bureau	yes	4
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	6000	6500
2. Actual Expenditures	6442	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Many of SFID's activities are in partnership with the SDCWA in providing our community with public information in the District's community. Regarding Section "B-1" and "B-2 " :Expenses are estimated from Water Conservation and public information grouped together plus miscellaneous administrative expenses.

BMP 08: School Education Programs

Reporting Unit:
Santa Fe Irrigation District

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	3	65	0
Grades 4th-6th	yes	16	1203	5
Grades 7th-8th	yes	0	0	0
High School	yes	0	0	0

3. Did your Agency's materials meet state education framework requirements? yes

4. When did your Agency begin implementing this program? 7/1/1990

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	6500	7000
2. Actual Expenditures	2386	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

These records have to be compiled by hand, which is extremely time consuming, however the data for this year is very much the same as 2004 which has been collected. SFID works in cooperation with the SDCWA with School education and has its own education programs too. Water education in the San Diego region is extensive. The SDCWA has implemented an extensive Water Education Program for the entire region. At minimal cost to member agencies, the Authority provides teacher education, school supplies, traveling library, mobile lab, Science Fair awards and mini-grants. Hands on curriculums include School-to-Career Education program, Regional Water quality testing, Water Policies, and Xeriscape Gardening. The Water Education program extends from kindergarten through high school. SFID does have documented numbers for the 4th graders annual Water Awareness Poster Contest Presentations and the Watershed presentations. SFID also provides funding for the Splash Mobile and Poster Contest. SFID Directors approved funding for the "Splash" Science Mobile Lab, a water education

program geared toward 4th-6th graders. The Mobile Science Lab is a "Field trip" that comes to the school site, and concentrates on six teaching stations, including: microscopes, technology, weather, water quality, ground water, and life around a pond. The County Office of Education, in collaboration with the SDCWA, have made the Mobile Lab available to elementary schools throughout the county. SFID is financially helping to make it possible for the Science Lab to go to schools within its service area by providing funding for the program. The curriculum is delivered in a resourceful manner, encompassing multimedia, computer analysis, hands-on experimentation, observation and group problem solving. In conjunction with Water Awareness Month, SFID and eleven other North County water agencies sponsor an annual water conservation poster contest for 4th grade students. The conservation theme varies from year to year. Many teachers have adopted the annual poster contest as part of their classroom activities. Approximately 600 calendars are distributed to fourth grade students each year. The winning posters are compiled into a water conservation calendar, which is distributed the following year. The general public and students look forward to the calendar each year. SFID, which is a member of the North County Water Agencies, has ownership of their own "Water I.Q." Kiosk, which is loaned to different schools for a month or two at a time to further educate all the students on water issues. Literally hundreds of students participate in the Kiosk IQ game however exact numbers can not be given.

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
**Santa Fe Irrigation
 District**

BMP Form Status:
100% Complete

Year:
2003

A. Implementation

- 1. Has your agency identified and ranked COMMERCIAL customers according to use? yes
- 2. Has your agency identified and ranked INDUSTRIAL customers according to use? yes
- 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? yes

Option A: CII Water Use Survey and Customer Incentives Program

4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? no

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0
CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no
Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

Option B: CII Conservation Program Targets

5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option?	yes
6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings?	yes
7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991.	5.28
8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991.	0

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	2951	2458
2. Actual Expenditures	1655	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

The District does provide services to any CII customers within the service area. Water Management Surveys are offered to all District customers, upon request. Staff will walk through facility with the customer and will recommend ways to reduce water usage. The number of CII accounts in our database is extremely small. During a walk through District staff will check for any leaks under static pressure, recommend retrofit of inside water use devices by recommending our voucher incentive program. We will also meet with landscape contractors outside to recommend proper scheduling and any other assistance that may help in water use reduction. This system seems to work well with our limited CII database.

BMP 09a: CII ULFT Water Savings

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

1. Did your agency implement a CII ULFT replacement program in the reporting year? Yes
 If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program? Potential savings
 CII ULFT Study subsector targeting
 Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

Our CII Voucher Incentive Program contractor, HDMC has been a significant player in the promotion of water efficient products in the San Diego County. Working in cooperation with WSA Marketing, a San Diego-based marketing and communications firm, HDMC has conducted extensive education, outreach, public relations, advertising and direct-marketing activities. HDMC and WSA Marketing have created relationships with the owners, managers, and related customer service supervisors and staff at water-efficient product suppliers from Valley Center to San Ysidro for the past five years. Partnerships have been established with business owners, as well as key employees at wholesale and retail suppliers. Understanding of suppliers' business profiles, sales operations and accounting policies and procedures are key to the success of the program. Working relationships and/or qualified data has been gathered on over 200 plumbers. Dealers sign contracts each year in order to participate in a program that is responsible for increasing their sales substantially.

2. How does your agency advertise this program? Check all that apply. Direct letter
Bill message
Newsletter
Telephone
Newspapers
Other print media
Trade shows and events

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

Extensive marketing in the region outreach to retail and wholesale dealers with ongoing communication and training has made this program successful in this region.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.) Yes

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? Yes

3. What is the total number of customer accounts 5

participating in the program during the last year ?

CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
4.				
a. Offices	0	0	0	0
b. Retail / Wholesale	0	0	0	0
c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Government	0	0	0	0
i. Churches	0	0	0	0
j. Other	0	0	0	0

5. Program design.

Rebate or voucher

6. Does your agency use outside services to implement this program?

Yes

a. If yes, check all that apply.

Consultant

Plumbing contractors/subcontracts

7. Participant tracking and follow-up.

Telephone

Site Visit

8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.

- a. Disruption to business 4
- b. Inadequate payback 5
- c. Inadequate ULFT performance 3
- d. Lack of funding 5
- e. American's with Disabilities Act 2
- f. Permitting 2
- g. Other. Please describe in B. 9. 2

9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.

The CII Voucher Incentive Program continues to increase in popularity in the SFID area. Extensive marketing by our contractor, coupled with SFID personal contact will continue to improve it's success.

10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing

approaches effective? Were program costs in line with expectations and budgeting?

Once again I was slightly surprised at the amount of participation. First of all our database of CII customers is very small. I still feel that personal contact is necessary to improve participation. We are trying to help WSA in maketing this program.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor	0	0
b. Materials	0	0
c. Marketing & Advertising	0	0
d. Administration & Overhead	2541.28	1495
e. Outside Services	0	0
f. Total	2541.28	1495

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution	2760
b. State agency contribution	0
c. Federal agency contribution	0
d. Other contribution	2541.28
e. Total	5301.28

D. Comments

Section C.2 This total represents the amount of funds available in our CII Voucher Incentive Program which besides ULFT's includes; CTCC's, Urinals, and HEW's. The contributing wholesale agencies are MWD and the SDCWA.

BMP 11: Conservation Pricing

Reporting Unit:

BMP Form Status:

Year:

Santa Fe Irrigation District**100% Complete****2003****A. Implementation****Rate Structure Data Volumetric Rates for Water Service by Customer Class****1. Residential**

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$7224596.51
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$964972.59

2. Commercial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$332856.81
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$53760.04

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$158106.8
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$11108.79

5. Irrigation

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$477820.96
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$35005.92

6. Other

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$7564.52
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$43368.46

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reference to A-2 & A-3: The Santa Fe Irrigation District does not break industrial and commercial categories because we are not aware of any "industrial" users in our service area. The total for both categories is reflected in section A-2, therefore, leaving, section A-3 blank. Additional Information: The Santa Fe Irrigation District passed on the three-year Interim Agricultural Water Program to its customers. The program provides a discount to qualifying water users based on an interruptible status assumed by those customers who elected to participate in the program. The water rate for Agricultural customers is \$1.68 per hundred cubic feet (hcf) for the first 52 units. Over 52 hcf, the rate is \$1.55 per hcf. Participants receive a discount of \$56.70 per acre feet (\$0.13) off the current retail price of \$1.68 for water purchased from the Santa Fe Irrigation District. If an agricultural property does not have a dwelling unit on it, the rate is \$1.55 per hcf for all water consumption.

BMP 12: Conservation Coordinator

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

- 1. Does your Agency have a conservation coordinator? yes
- 2. Is this a full-time position? yes
- 3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
- 4. Partner agency's name:
- 5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 80%
 - b. Coordinator's Name Bruce Michael Banks
 - c. Coordinator's Title Water Conservation Specialist
 - d. Coordinator's Experience and Number of Years 13 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 7/1/1990
- 6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	30500	81120
2. Actual Expenditures	58240	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

In reference to A-5d the numbbber of years for Coordinator's experience for 2002 should have been 12 instead of 11.

BMP 13: Water Waste Prohibition

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area? yes

a. If YES, describe the ordinance:

In March of 1992, the Board of Directors of the District found it necessary to adopt a revised water conservation program. Resolution 92-06 was passed, approved and adopted by the Board, reaffirming the Water Conservation Program adopted in Resolution 91-35, and outlining how and when mandatory compliance rules will take effect during times of shortage. This Resolution stated when lawn watering is allowed, rules for washing vehicles, hours for watering golf courses, parks and schools, limiting service of water in restaurants to "by request of customer" and other limitations to water uses during times of water shortage, when the District does not anticipate being able to meet the demands of its customers, labeled as a "Stage-2" water alert. City of Solana Beach Ordinance #277 dated February 5th, 2002. An Ordinance of the City Council of the City of Solana Beach, California, Amending Chapter 13 of the Solana Beach Municipal Code Establishing Local Rules and Regulations Regarding Storm Water Management Pursuant to Order No. 2001-01 of the California Regional Water Quality Control Board, San Diego Region Fairbanks Ranch Rules and Regulations: Section III Common Areas: 1. First violation will initiate a letter of warning advising residents of Association concern and offering assistance for more efficient irrigation. 2. Second violation will initiate a letter advising the resident of possible fines and setting a date that the corrections must be completed. 3. Third and subsequent violations will result in fines beginning at \$100.00 to a maximum of \$1,000. Covering San Diego County: California Regional Water Quality Control Board- San Diego Region Order No. 2001-01 NPDES No. CAS0109758. Waster Discharge requirements from Discharges of Urban Runoff From the Municipapl Separate Storm Sewer Systems raining the Watersheds of the County of San Diego, the Incorporated Cities of San Diego County, and the San Diego Unified Port District.

2. Is a copy of the most current ordinance(s) on file with CUWCC? yes

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

Rancho Santa Fe Fairbanks no citations
Ranch City of Solana Beach

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

- a. Gutter flooding yes
- b. Single-pass cooling systems for new connections yes
- c. Non-recirculating systems in all new conveyor or car wash systems yes
- d. Non-recirculating systems in all new commercial laundry systems yes

- e. Non-recirculating systems in all new decorative fountains yes
- f. Other, please name no

2. Describe measures that prohibit water uses listed above:

SFID, the City of Solana Beach and Fairbanks Ranch patrol to be sure water is not being wasted. Any calls coming into the office are followed up with customer service check into water waste. All 3 agencies work together well and share information.

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

- a. Allow the sale of more efficient, demand-initiated regenerating DIR models. no
- b. Develop minimum appliance efficiency standards that:
 - i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. no
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. no
- c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. yes

4. Does your agency include water softener checks in home water audit programs? yes

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? yes

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	7000	6500
2. Actual Expenditures	4056	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

Regarding Section A-1-a: hard copies of the three new ordinances not on file (as listed below also) are being sent under seperate cover. 1.City of Solana Beach Ordinance #277 dated February 5th, 2002. An Ordinance of the City Council of the City of Solana Beach, California, Amending Chapter 13 of the Solana Beach Municipal Code Establishing Local Rules and Regulations Regarding Storm Water Management Pursuant to Order No. 2001-01 of the California Regional Water Quality Control Board, San Diego Region 2. Fairbanks Ranch Rules and Regulations: Section III Common Areas: 1. First violation will initiate a letter of warning

advising residents of Association concern and offering assistance for more efficient irrigation. 2. Second violation will initiate a letter advising the resident of possible fines and setting a date that the corrections must be completed. 3. Third and subsequent violations will result in fines beginning at \$100.00 to a maximum of \$1,000. 3. Covering San Diego County: California Regional Water Quality Control Board- San Diego Region Order No. 2001-01 NPDES No. CAS0109758. Waster Discharge requirements from Discharges of Urban Runoff From the Municipipl Separate Storm Sewer Systems raining the Watersheds of the County of San Diego, the Incorporated Cities of San Diego County, and the San Diego Unified Port District.

BMP 14: Residential ULFT Replacement Programs

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2003**

A. Implementation

	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Number of Toilets Replaced by Agency Program During Report Year		
Replacement Method	SF Accounts	MF Units
2. Rebate	0	0
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	265	79
<hr/>		
Total	265	79

6. Describe your agency's ULFT program for single-family residences.

Through this program, participating residential customers are offered a voucher redeemable for up to \$75 off the purchase price. Vouchers can only be used to replace toilets that are 3.5 gpf or more. The ULFT Voucher Incentive Program has extensive marketing outreach.

7. Describe your agency's ULFT program for multi-family residences.

Same as above. Single family and multi-family customers are eligible to participate. Customers must be replacing existing high-volume fixtures.

8. Is a toilet retrofit on resale ordinance in effect for your service area? no

9. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:

Rancho Santa Fe, City of Solana Beach, and Fairbanks Ranch no citations were issued.
(approx 60%)

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	7788	4450
2. Actual Expenditures	7634.71	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

SFID uses vouchers rather than rebates

California Urban
Water Conservation Council

Best Management Practices
Report Filing

FY 2004

Water Supply & Reuse

Reporting Unit:
Santa Fe Irrigation District

Year:
2004

Water Supply Source Information

Supply Source Name	Quantity (AF) Supplied	Supply Type
SDCWA	11512.1	Imported
Lake Hodges	1001.1	Local Watershed

Total AF: 12513.2

Accounts & Water Use

Reporting Unit Name:
Santa Fe Irrigation District

Submitted to
 CUWCC
 12/01/2004

Year:
2004

A. Service Area Population Information:

1. Total service area population 20800

B. Number of Accounts and Water Deliveries (AF)

Type	Metered		Unmetered	
	No. of Accounts	Water Deliveries (AF)	No. of Accounts	Water Deliveries (AF)
1. Single-Family	5407	10145.9	0	0
2. Multi-Family	468	832.9	0	0
3. Commercial	314	536.2	0	0
4. Industrial	0	0	0	0
5. Institutional	79	325.8	0	0
6. Dedicated Irrigation	144	654.6	0	0
7. Recycled Water	0	0	0	0
8. Other	540	17.8	0	0
9. Unaccounted	NA	1152.7	NA	0
Total	6952	13665.9	0	0

Metered

Unmetered

BMP 01: Water Survey Programs for Single-Family and Multi-Family Residential Customers

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- | | |
|--|------------|
| 1. Based on your signed MOU date, 08/26/1991, your Agency STRATEGY DUE DATE is: | 08/25/1993 |
| 2. Has your agency developed and implemented a targeting/marketing strategy for SINGLE-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 07/01/1990 |
| 3. Has your agency developed and implemented a targeting/marketing strategy for MULTI-FAMILY residential water use surveys? | yes |
| a. If YES, when was it implemented? | 07/01/1990 |

B. Water Survey Data

Survey Counts:	Single Family Accounts	Multi-Family Units
1. Number of surveys offered:	5407	468
2. Number of surveys completed:	27	1

Indoor Survey:

- | | | |
|---|-----|-----|
| 3. Check for leaks, including toilets, faucets and meter checks | yes | yes |
| 4. Check showerhead flow rates, aerator flow rates, and offer to replace or recommend replacement, if necessary | yes | yes |
| 5. Check toilet flow rates and offer to install or recommend installation of displacement device or direct customer to ULFT replacement program, as necessary; replace leaking toilet flapper, as necessary | yes | yes |

Outdoor Survey:

- | | | |
|--|-----|-----------------|
| 6. Check irrigation system and timers | yes | yes |
| 7. Review or develop customer irrigation schedule | yes | yes |
| 8. Measure landscaped area (Recommended but not required for surveys) | yes | yes |
| 9. Measure total irrigable area (Recommended but not required for surveys) | yes | yes |
| 10. Which measurement method is typically used (Recommended but not required for surveys) | | Odometer Wheel |
| 11. Were customers provided with information packets that included evaluation results and water savings recommendations? | yes | yes |
| 12. Have the number of surveys offered and completed, survey results, and survey costs been tracked? | yes | yes |
| a. If yes, in what form are surveys tracked? | | manual activity |
| b. Describe how your agency tracks this information. | | |

Surveys are done in Wordperfect and Word and are saved on the computer. Hard copies are then manually filed in binders also.

C. Water Survey Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	5000	10801
2. Actual Expenditures	7020	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

Santa Fe Irrigation District will be participating in the upcoming Residential Landscape Assistance Program (weather based irrigation controllers) We are currently looking at past surveys to make this program available to them. As usual the District has continued to offer water management surveys since 1990. The program originally began during the drought and was offered to all customers who exceeded their allotments. Although the top 20% of the single and multi-family users are targeted, the program is offered to all customers. District customers are notified of the service through newsletters, water bills, our Customer Service Representative who meets with customers on various issues, one being high water bills, telephone on hold messages, and by new customer letters. The survey entails a review of the water usage history for up to 10 years previous, and is compared by month, and previous years for analysis of the water usage. During the water survey, the meter is monitored for any leak detection both indoors, and outdoors. If there is leakage, the flow rate is calculated in gpm, and projected loss in gallons, and hundred cubic feet for the next billing period. The leak location may also be determined geographically through a process of elimination, by isolating the domestic, and or irrigation valves. Many times the actual location of the leak is identified, if necessary a leak detection company will be suggested. Inside the toilets are tested for leaks using the dye tablets supplied by the District. Sometimes the District will personally do the test, other times the dye tablets are provided to the customers. The District also supplies low-volume showerheads while supplies still last, and faucet aerators for retrofit of the older water fixtures. Flow rates can be determined on all fixtures (gpm) with flow rate calculation bags also distributed to customers, or in many cases, performed by District personnel. Pressures are generally taken both indoors and outdoors to minimize usage with the suggested proper pressure since high and low pressures waste water. Indoors, 65 or less is suggested and outdoors for landscape range from 30 to 70 psi for sprinklers. An outdoor landscape survey consists of meeting with the landscape supervisor and property owner if possible to evaluate irrigation efficiency. A visual inspection is performed to determine irrigation system type and plant type. Each station is turned on and problems are documented; any leaks or malfunctions are flagged and discussed with the homeowner and landscapers. Common problems are broken heads, mixed precipitation rates within a station, sunken heads, low drainage, etc. After visual inspection, catch can tests are sometimes performed to show efficiency and to give suggested scheduling throughout the year on turf areas which can also give reference to planters and slopes for their proper watering. Customers are given booklets to better their understanding of the

irrigation controller. Hands-on help in setting proper start times, days per week and duration of run times is also provided. Soil probes are given to customers at no cost, so that they can check moisture and soil types, as well as root depth. When practical, the entire landscape square footage is measured and compared to actual amounts of outdoor usage in an inches-per-square-foot for analysis to determine potential savings on the site. Evaporation data is used from CIMIS in the evaluation to assist in the water management survey. Follow-ups to these surveys are done by request or done for targeted high users periodically to help ensure best management practices for outside irrigation usage.

BMP 02: Residential Plumbing Retrofit

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Is there an enforceable ordinance in effect in your service area requiring replacement of high-flow showerheads and other water use fixtures with their low-flow counterparts? no
 - a. If YES, list local jurisdictions in your service area and code or ordinance in each:

2. Has your agency satisfied the 75% saturation requirement for single-family housing units? yes
3. Estimated percent of single-family households with low-flow showerheads: 75%
4. Has your agency satisfied the 75% saturation requirement for multi-family housing units? yes
5. Estimated percent of multi-family households with low-flow showerheads: 75%
6. If YES to 2 OR 4 above, please describe how saturation was determined, including the dates and results of any survey research.

Santa Fe Irrigation District , a member agency of the SDCWA, distributed over 550,000 showerheads between 1991 and 2002. The average rate of natural replacement is 4% while housing demolition is .5%. Effective January 1, 1994 showerheads manufactured in the U.S. must be 2.5 gpm maximum. Data gathered from residential survey program showed an 80-95% saturation of showerheads in homes surveyed. The Authority was unable to secure monies for a formal saturation study during this period, but is continuing to pursue grant funding opportunities in the future.

B. Low-Flow Device Distribution Information

1. Has your agency developed a targeting/ marketing strategy for distributing low-flow devices? yes
 - a. If YES, when did your agency begin implementing this strategy? 07/01/1996
 - b. Describe your targeting/ marketing strategy.

Residential Survey Distribution, direct distribution to cutomers (Lobby Counter), distribution at Commmunity Events, and by customer request. The Distiiict next reporting year is distributing complete conservation packages that include low flow showerhead,a swivel faucet aerator for the kitchen ,a regular faucet aerator for the bathroom ,a toilet flapper, and dye tablets to check for toilet leaks.Any customer that still request showerheads are being distributed still.

Low-Flow Devices Distributed/ Installed	SF Accounts	MF Units
2. Number of low-flow showerheads distributed:	0	0
3. Number of toilet-displacement devices distributed:	0	0
4. Number of toilet flappers distributed:	0	0

5. Number of faucet aerators distributed: 54 0
6. Does your agency track the distribution and cost of low-flow devices? yes
- a. If YES, in what format are low-flow devices tracked? Spreadsheet
- b. If yes, describe your tracking and distribution system :

The SDCWA documented distribution in the region in a spreadsheet, by region, rather than specific member agencies.

C. Low-Flow Device Distribution Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	183	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? yes
- a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

Over 500,000 showerheads were distributed in the San Diego County. Since distribution occurred prior to the formal BMP report, consistently accurate records were not kept by the Water Authority Staff- especially at the member agency level. Previously, the Water Authority did not recommend filing an exemption to member agencies, since the Water Authority staff anticipated receiving funding for a saturation study. However, no funding became available during this reporting period. The Water Authority will pursuing grant funding during the next reporting cycle.

E. Comments

BMP 03: System Water Audits, Leak Detection and Repair

Reporting Unit:	BMP Form Status:	Year:
Santa Fe Irrigation District	100% Complete	2004

A. Implementation

1. Has your agency completed a pre-screening system audit for this reporting year? yes
2. If YES, enter the values (AF/Year) used to calculate verifiable use as a percent of total production:
 - a. Determine metered sales (AF) 12513.2
 - b. Determine other system verifiable uses (AF) 0
 - c. Determine total supply into the system (AF) 13665.9
 - d. Using the numbers above, if (Metered Sales + Other Verifiable Uses) / Total Supply is < 0.9 then a full-scale system audit is required. 0.92
3. Does your agency keep necessary data on file to verify the values used to calculate verifiable uses as a percent of total production? yes
4. Did your agency complete a full-scale audit during this report year? no
5. Does your agency maintain in-house records of audit results or the completed AWWA audit worksheets for the completed audit? yes
6. Does your agency operate a system leak detection program? yes
 - a. If yes, describe the leak detection program:

1. 95% of the distribution system is transite material and leaks are very apparent and always repaired immediately. Leak detection is always monitored during home surveys, customer service appointments and during bi-monthly meter reading. 2. The main transmission mains that run through the District are CML&C piping mostly with new transmission mains being C-905, and all are protected and monitored by cathodic protection. The system is inspected yearly by an outside consulting firm and is in excellent shape. With the system working well, it can be assumed that no leakage is occurring. 3. The District's only storage reservoir was last inspected in 1995 and found to be in very good shape. This is done every ten years and all recommendations from the consulting diving company are implemented. There was no leakage observed. The next inspection will be done at the beginning of next reporting period, 2005. 4. The District's source for water is the R.E. Badger Filtration Plant which is jointly owned by the Santa Fe Irrigation District and San Dieguito Water District. The Santa Fe Irrigation District is the lead agency to run and maintain the plant. The 13 million gallon clearwell was last inspected in August 2000. All valves were repaired and all tuberculation was removed. The reservoir is in good shape and the diving consultant hired to inspect the reservoir detected no leaks. One large trunk line that supplies water to SFID and SDWD is not currently protected by cathodic protection. 5. A new 54" parallel transmission line that went into service March of 2002 is protected by cathodic protection. The remaining 54 inch CML&C transmission main and clearwell are currently being investigated as to how to cathodic protect them. This should be completed by April 2005.

B. Survey Data

1. Total number of miles of distribution system line. 163

2. Number of miles of distribution system line surveyed. 163

C. System Audit / Leak Detection Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	70000	69500
2. Actual Expenditures	85432	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

The District is currently going through a recycled water master plan with plans of developing a recycled water system in the Rancho Santa Fe Area. It would be owned and operated by Santa Fe Irrigation District with an expected 500 Acre feet potential. 2006 would be the earliest the the District would see a recycled system in opeeration.Santa Fe Irrigation District is a purveyor for San Elijo Joint Powers Authority reclaimed water. We read the meters and render bills, but the reclaimed water does not go through our system nor do we receive any revenues from it. For tracking purposes 42 reclaimed meters 470 acre foot reclaimed water.

BMP 04: Metering with Commodity Rates for all New Connections and Retrofit of Existing

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- | | |
|---|-----|
| 1. Does your agency require meters for all new connections and bill by volume-of-use? | yes |
| 2. Does your agency have a program for retrofitting existing unmetered connections and bill by volume-of-use? | no |
| a. If YES, when was the plan to retrofit and bill by volume-of-use existing unmetered connections completed? | |
| b. Describe the program: | |
| 3. Number of previously unmetered accounts fitted with meters during report year. | 0 |

B. Feasibility Study

- | | |
|--|-----|
| 1. Has your agency conducted a feasibility study to assess the merits of a program to provide incentives to switch mixed-use accounts to dedicated landscape meters? | no |
| a. If YES, when was the feasibility study conducted? (mm/dd/yy) | |
| b. Describe the feasibility study: | |
| 2. Number of CII accounts with mixed-use meters. | 386 |
| 3. Number of CII accounts with mixed-use meters retrofitted with dedicated irrigation meters during reporting period. | 0 |

C. Meter Retrofit Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

D. "At Least As Effective As"

- | | |
|--|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
| a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as." | |

E. Comments

When payment is received for a new meter, an Application for Service (AFS) is filled out and sent to the field. After the meter is installed, the completed AFS is sent back to the office and the new account is entered into the computer for billing.

BMP 05: Large Landscape Conservation Programs and Incentives

Reporting Unit:
Santa Fe Irrigation District

BMP Form Status:
100% Complete

Year:
2004

A. Water Use Budgets

- | | |
|--|-----|
| 1. Number of Dedicated Irrigation Meter Accounts: | 144 |
| 2. Number of Dedicated Irrigation Meter Accounts with Water Budgets: | 0 |
| 3. Budgeted Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 4. Actual Use for Irrigation Meter Accounts with Water Budgets (AF): | 0 |
| 5. Does your agency provide water use notices to accounts with budgets each billing cycle? | no |

B. Landscape Surveys

- | | |
|--|-----------|
| 1. Has your agency developed a marketing / targeting strategy for landscape surveys? | yes |
| a. If YES, when did your agency begin implementing this strategy? | 8/10/1990 |
| b. Description of marketing / targeting strategy: | |

Potential customers are prescreened by the review of water usage data records and the comparison of typical patterns of other industry or SIC water usage. Customers that exhibit unusually high water usage relative to the size of the property are sent a letter and a program brochure, inviting them to participate in the program. Dispersal of brochures and advertising to a variety of candidates, homeowners associations as well as large turf customers. Outreach to landscape organizations i.e. California Landscape Contractors Association. Conservation Coordinator's initiative referral to customers calling about high water use bills and needing assistance. A lot of outreach at community events such as the fair, and Water Awareness Month Celebration

- | | |
|---|-----|
| 2. Number of Surveys Offered. | 144 |
| 3. Number of Surveys Completed. | 2 |
| 4. Indicate which of the following Landscape Elements are part of your survey: | |
| a. Irrigation System Check | yes |
| b. Distribution Uniformity Analysis | yes |
| c. Review / Develop Irrigation Schedules | yes |
| d. Measure Landscape Area | yes |
| e. Measure Total Irrigable Area | yes |
| f. Provide Customer Report / Information | yes |
| 5. Do you track survey offers and results? | yes |
| 6. Does your agency provide follow-up surveys for previously completed surveys? | yes |

a. If YES, describe below:

C. Other BMP 5 Actions

1. An agency can provide mixed-use accounts with ETo-based landscape budgets in lieu of a large landscape survey program. no

Does your agency provide mixed-use accounts with landscape budgets?

2. Number of CII mixed-use accounts with landscape budgets. 0

3. Do you offer landscape irrigation training? yes

4. Does your agency offer financial incentives to improve landscape water use efficiency? yes

Type of Financial Incentive:	Budget (Dollars/Year)	Number Awarded to Customers	Total Amount Awarded
a. Rebates	0	0	0
b. Loans	0	0	0
c. Grants	0	0	0

5. Do you provide landscape water use efficiency information to new customers and customers changing services? yes

a. If YES, describe below:

Send all new customers a list of all conservation programs. -Include article in customer newsletters -Water Awareness Month celebration - Press releases to local newspapers

6. Do you have irrigated landscaping at your facilities? yes

a. If yes, is it water-efficient? yes

b. If yes, does it have dedicated irrigation metering? no

7. Do you provide customer notices at the start of the irrigation season? no

8. Do you provide customer notices at the end of the irrigation season? no

D. Landscape Conservation Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	826	1035
2. Actual Expenditures	575	

E. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

F. Comments

Santa Fe Irrigation District is now working with Conservation through San Diego Water District to have Water Budgets available online through past Surveys that have had the irrigated landscapes measured. We have already had a database created with the information needed to allow Watering Budgets to be made available to participating customers. We are now in the process of mailing letters out to all past customers to promote the program. We are also promoting financial incentives of

matching funds for landscape irrigation upgrades. C.4 Financial incentives are offered through Metropolitan Water District's Conservation Credit program to replace individual controllers with a Centralized Irrigation Control System. The District also has Professional Landscape Irrigation training classes on a yearly basis for Companies that work mainly with HOA's and large landscape areas. The District is also now looking into having measurements on all areas that are watered by dedicated irrigation meters. We are presently getting prices on contract work.

BMP 06: High-Efficiency Washing Machine Rebate Programs

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- 1. Do any energy service providers or waste water utilities in your service area offer rebates for high-efficiency washers? yes
 - a. If YES, describe the offerings and incentives as well as who the energy/waste water utility provider is.

FY 04 SDG&E offered tiered rebates of \$75 and \$125

- 2. Does your agency offer rebates for high-efficiency washers? yes
- 3. What is the level of the rebate? 125
- 4. Number of rebates awarded. 124

B. Rebate Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	3335	4230
2. Actual Expenditures	2852	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

This agency provides customers with vouchers rather than rebates

BMP 07: Public Information Programs

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

1. Does your agency maintain an active public information program to promote and educate customers about water conservation? yes

a. If YES, describe the program and how it's organized.

The Santa Fe Irrigation District has an ongoing program of communicating with its customers through special mailings, newsletters, bill messages, and on hold phone messages. All new customers are sent a packet of brochures containing information on the District, water quality, and water conservation. The District will provide speakers to community groups upon request. The Metropolitan Water District (MWD) and the San Diego County Water Authority have too a very visible public information program that reaches our District's customers. Each year the District does Irrigation training classes for both residential customers and Professional Landscapers at various community complexes. Also included are occasional press releases, and special water information supplements in area newspapers. Other information resources the District uses are as follows: Water Awareness Calendars which are given out to many of our customers, school teachers, and the students. The water awareness poster contest for 4th grade students which SFID and 11 other North County Water Agencies join together to hold a Water Awareness Celebration at one of the local Fire Departments every May. This event has been very beneficial! Thousands of people have attended this event. Also the Del Mar Fair where we have a special booth to promote Water Conservation with a different theme each year. The District maintains a conservation garden at the District office. Brochures, articles and flyers are distributed at various community events year-round. The District and the North County Water Agencies group have also joined together in buying a kiosk to use in public libraries and agency offices to help inform the public about water issues. *The District maintains a library covering topics of conservation, landscape, California's water supply, water history, and water quality. Customers may check out material upon request.

2. Indicate which and how many of the following activities are included in your public information program.

Public Information Program Activity	Yes/No	Number of Events
a. Paid Advertising	yes	1
b. Public Service Announcement	no	0
c. Bill Inserts / Newsletters / Brochures	yes	6
d. Bill showing water usage in comparison to previous year's usage	yes	
e. Demonstration Gardens	yes	365
f. Special Events, Media Events	yes	4
g. Speaker's Bureau	yes	2
h. Program to coordinate with other government agencies, industry and public interest groups and media	yes	

B. Conservation Information Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	6500	7000
2. Actual Expenditures	7704	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Many of SFID's activities are in partnership with the SDCWA in providing our community with public information in the District's community. Regarding Section "B-1" and "B-2 " :Expenses are estimated from Water Conservation and public information grouped together plus miscellaneous administrative expenses

BMP 08: School Education Programs

Reporting Unit:
Santa Fe Irrigation District

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

1. Has your agency implemented a school information program to promote water conservation? yes

2. Please provide information on your school programs (by grade level):

Grade	Are grade-appropriate materials distributed?	No. of class presentations	No. of students reached	No. of teachers' workshops
Grades K-3rd	yes	3	65	0
Grades 4th-6th	yes	12	963	5
Grades 7th-8th	yes	0	0	0
High School	yes	0	0	0

3. Did your Agency's materials meet state education framework requirements? yes

4. When did your Agency begin implementing this program? 7/1/1990

B. School Education Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	7000	7500
2. Actual Expenditures	2070	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

SFID works in cooperation with the SDCWA with School education and has its own education programs too. Water education in the San Diego region is extensive. The SDCWA has implemented an extensive Water Education Program for the entire region. At minimal cost to member agencies, the Authority provides teacher education, school supplies, traveling library, mobile lab, Science Fair awards and mini-grants. Hands on curriculums include School-to-Career Education program, Regional Water quality testing, Water Policies, and Xeriscape Gardening. The Water Education program extends from kindergarten through high school. SFID does have documented numbers for the 4th graders annual Water Awareness Poster Contest Presentations and the Watershed presentations. SFID also provides funding for the Splash Mobile and Poster Contest. SFID Directors approved funding for the "Splash" Science Mobile Lab, a water education program geared toward 4th-6th graders. The Mobile Science Lab is a "Field trip" that comes to the school site, and concentrates on six teaching stations, including:

microscopes, technology, weather, water quality, ground water, and life around a pond. The County Office of Education, in collaboration with the SDCWA, have made the Mobile Lab available to elementary schools throughout the county. SFID is financially helping to make it possible for the Science Lab to go to schools within its service area by providing funding for the program. The curriculum is delivered in a resourceful manner, encompassing multimedia, computer analysis, hands-on experimentation, observation and group problem solving. In conjunction with Water Awareness Month, SFID and eleven other North County water agencies sponsor an annual water conservation poster contest for 4th grade students. The conservation theme varies from year to year. Many teachers have adopted the annual poster contest as part of their classroom activities. Approximately 600 calendars are distributed to fourth grade students each year. The winning posters are compiled into a water conservation calendar, which is distributed the following year. The general public and students look forward to the calendar each year. SFID, which is a member of the North County Water Agencies, has ownership of their own "Water I.Q." Kiosk, which is loaned to different schools for a month or two at a time to further educate all the students on water issues. Literally hundreds of students participate in the Kiosk IQ game however exact numbers can not be given.

BMP 09: Conservation Programs for CII Accounts

Reporting Unit:
**Santa Fe Irrigation
 District**

BMP Form Status:
100% Complete

Year:
2004

A. Implementation

- | | |
|--|-----|
| 1. Has your agency identified and ranked COMMERCIAL customers according to use? | yes |
| 2. Has your agency identified and ranked INDUSTRIAL customers according to use? | yes |
| 3. Has your agency identified and ranked INSTITUTIONAL customers according to use? | yes |

Option A: CII Water Use Survey and Customer Incentives Program

- | | |
|---|----|
| 4. Is your agency operating a CII water use survey and customer incentives program for the purpose of complying with BMP 9 under this option? | no |
|---|----|

CII Surveys	Commercial Accounts	Industrial Accounts	Institutional Accounts
a. Number of New Surveys Offered	0	0	0
b. Number of New Surveys Completed	0	0	0
c. Number of Site Follow-ups of Previous Surveys (within 1 yr)	0	0	0
d. Number of Phone Follow-ups of Previous Surveys (within 1 yr)	0	0	0
CII Survey Components	Commercial Accounts	Industrial Accounts	Institutional Accounts
e. Site Visit	no	no	no
f. Evaluation of all water-using apparatus and processes	no	no	no
g. Customer report identifying recommended efficiency measures, paybacks and agency incentives	no	no	no
Agency CII Customer Incentives	Budget (\$/Year)	No. Awarded to Customers	Total \$ Amount Awarded
h. Rebates	0	0	0
i. Loans	0	0	0
j. Grants	0	0	0
k. Others	0	0	0

Option B: CII Conservation Program Targets

- | | |
|---|------|
| 5. Does your agency track CII program interventions and water savings for the purpose of complying with BMP 9 under this option? | yes |
| 6. Does your agency document and maintain records on how savings were realized and the method of calculation for estimated savings? | yes |
| 7. Estimated annual savings (AF/yr) from site-verified actions taken by agency since 1991. | 7.52 |
| 8. Estimated annual savings (AF/yr) from non-site-verified actions taken by agency since 1991. | 0 |

B. Conservation Program Expenditures for CII Accounts

	This Year	Next Year
1. Budgeted Expenditures	2458	2458
2. Actual Expenditures	0	

C. "At Least As Effective As"

- | | |
|---|----|
| 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? | No |
| <p>a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."</p> | |

D. Comments

All funds allocated with the CII were tied up by one Hotel until the end of the fiscal year, and then they unexpectedly dropped out causing the District to have no reedemption on this program unfortunately. Future maketing is being closely observed to make sure this does not happen again. The District does provide services to any CII customers within the service area. Water Management Surveys are offered to all District customers, upon request. Staff will walk through facility with the customer and will recommend ways to reduce water usage. The number of CII accounts in our database is extremely small. During a walk through District staff will check for any leaks under static pressure, recommend retrofit of inside water use devices by recommending our voucher incentive rprogram. We will also meet with landscape contractors outside to recommend proper scheduling and any other assistance that may help in water use reduction. This system seems to work well with our limited CII database.

BMP 09a: CII ULFT Water Savings

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

1. Did your agency implement a CII ULFT replacement program in the reporting year? No
 If No, please explain why on Line B. 10.

A. Targeting and Marketing

1. What basis does your agency use to target customers for participation in this program?

Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

2. How does your agency advertise this program? Check all that apply.

a. Describe which method you found to be the most effective overall, and which was the most effective per dollar expended.

B. Implementation

1. Does your agency keep and maintain customer participant information? (Read the Help information for a complete list of all the information for this BMP.) Yes

2. Would your agency be willing to share this information if the CUWCC did a study to evaluate the program on behalf of your agency? Yes

3. What is the total number of customer accounts participating in the program during the last year? 0

4. CII Subsector	Number of Toilets Replaced			
	Standard Gravity Tank	Air Assisted	Valve Floor Mount	Valve Wall Mount
a. Offices	0	0	0	0
b. Retail / Wholesale	0	0	0	0
c. Hotels	0	0	0	0
d. Health	0	0	0	0
e. Industrial	0	0	0	0
f. Schools: K to 12	0	0	0	0
g. Eating	0	0	0	0
h. Government	0	0	0	0
i. Churches	0	0	0	0
j. Other	0	0	0	0

5. Program design.
6. Does your agency use outside services to implement this program? No
- a. If yes, check all that apply.
7. Participant tracking and follow-up.
8. Based on your program experience, please rank on a scale of 1 to 5, with 1 being the least frequent cause and 5 being the most frequent cause, the following reasons why customers refused to participate in the program.
- a. Disruption to business
- b. Inadequate payback
- c. Inadequate ULFT performance
- d. Lack of funding
- e. American's with Disabilities Act
- f. Permitting
- g. Other. Please describe in B. 9.
9. Please describe general program acceptance/resistance by customers, obstacles to implementation, and other issues affecting program implementation or effectiveness.
10. Please provide a general assessment of the program for this reporting year. Did your program achieve its objectives? Were your targeting and marketing approaches effective? Were program costs in line with expectations and budgeting?

The Study for BMP 9A ran from fiscal 2001/2002 and 2002/2003 therefore, the study has been completed and no Data needs to be entered for 2004.

C. Conservation Program Expenditures for CII ULFT

1. CII ULFT Program: Annual Budget & Expenditure Data

	Budgeted	Actual Expenditure
a. Labor	0	0
b. Materials	0	0
c. Marketing & Advertising	0	0
d. Administration & Overhead	0	0
e. Outside Services	0	0
f. Total	0	0

2. CII ULFT Program: Annual Cost Sharing

a. Wholesale agency contribution		0
b. State agency contribution		0
c. Federal agency contribution		0

d. Other contribution	0
e. Total	0

D. Comments

BMP 11: Conservation Pricing

Reporting Unit:

Santa Fe Irrigation District

BMP Form Status:

100% Complete

Year:

2004**A. Implementation****Rate Structure Data Volumetric Rates for Water Service by Customer Class****1. Residential**

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$7375181.92
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$1097138.06

2. Commercial

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$359340.11
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$65285.34

3. Industrial

a. Water Rate Structure	Service Not Provided
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$0
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$0

4. Institutional / Government

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$127420.41
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$16141.22

5. Irrigation

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$440565.92
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$46291.48

6. Other

a. Water Rate Structure	Uniform
b. Sewer Rate Structure	Service Not Provided
c. Total Revenue from Volumetric Rates	\$13391.77
d. Total Revenue from Non-Volumetric Charges, Fees and other Revenue Sources	\$51284.25

B. Conservation Pricing Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	0	0
2. Actual Expenditures	0	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? No

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

Reference to A-2 & A-3: The Santa Fe Irrigation District does not break industrial and commercial categories because we are not aware of any "industrial" users in our service area. The total for both categories is reflected in section A-2, therefore, leaving, section A-3 blank. Additional Information: The Santa Fe Irrigation District passed on the three-year Interim Agricultural Water Program to its customers. The program provides a discount to qualifying water users based on an interruptible status assumed by those customers who elected to participate in the program. The water rate for Agricultural customers is \$1.68 per hundred cubic feet (hcf) for the first 52 units. Over 52 hcf, the rate is \$1.55 per hcf. Participants receive a discount of \$56.70 per acre feet (\$0.13) off the current retail price of \$1.68 for water purchased from the Santa Fe Irrigation District. If an agricultural property does not have a dwelling unit on it, the rate is \$1.55 per hcf for all water consumption.

BMP 12: Conservation Coordinator

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

- 1. Does your Agency have a conservation coordinator? yes
- 2. Is this a full-time position? yes
- 3. If no, is the coordinator supplied by another agency with which you cooperate in a regional conservation program ? no
- 4. Partner agency's name:
- 5. If your agency supplies the conservation coordinator:
 - a. What percent is this conservation coordinator's position? 85%
 - b. Coordinator's Name Bruce Micahael Banks
 - c. Coordinator's Title Water Conservation Specialist
 - d. Coordinator's Experience and Number of Years 14 years
 - e. Date Coordinator's position was created (mm/dd/yyyy) 7/1/1990
- 6. Number of conservation staff, including Conservation Coordinator. 1

B. Conservation Staff Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	84120	83200
2. Actual Expenditures	70720	

C. "At Least As Effective As"

- 1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no
 - a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

BMP 13: Water Waste Prohibition

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Requirements for Documenting BMP Implementation

1. Is a water waste prohibition ordinance in effect in your service area? yes

a. If YES, describe the ordinance:

In March of 1992, the Board of Directors of the District found it necessary to adopt a revised water conservation program. Resolution 92-06 was passed, approved and adopted by the Board, reaffirming the Water Conservation Program adopted in Resolution 91-35, and outlining how and when mandatory compliance rules will take effect during times of shortage. This Resolution stated when lawn watering is allowed, rules for washing vehicles, hours for watering golf courses, parks and schools, limiting service of water in restaurants to "by request of customer" and other limitations to water uses during times of water shortage, when the District does not anticipate being able to meet the demands of its customers, labeled as a "Stage-2" water alert. City of Solana Beach Ordinance #277 dated February 5th, 2002. An Ordinance of the City Council of the City of Solana Beach, California, Amending Chapter 13 of the Solana Beach Municipal Code Establishing Local Rules and Regulations Regarding Storm Water Management Pursuant to Order No. 2001-01 of the California Regional Water Quality Control Board, San Diego Region Fairbanks Ranch Rules and Regulations: Section III Common Areas: 1. First violation will initiate a letter of warning advising residents of Association concern and offering assistance for more efficient irrigation. 2. Second violation will initiate a letter advising the resident of possible fines and setting a date that the corrections must be completed. 3. Third and subsequent violations will result in fines beginning at \$100.00 to a maximum of \$1,000. Covering San Diego County: California Regional Water Quality Control Board- San Diego REgion Order No. 2001-01 NPDES No. CAS0109758. Waster Discharge requirements from Discharges of Urban Runoff From the Municipapl Separate Storm Sewer Systems raining the Watersheds of the County of San Diego, the Incorporated Cities of San Diego County, and the San Diego Unified Port District.

2. Is a copy of the most current ordinance(s) on file with CUWCC? yes

a. List local jurisdictions in your service area in the first text box and water waste ordinance citations in each jurisdiction in the second text box:

Rancho Santa Fe, Fairbanks Ranch, and City of Solana Beach no citations

B. Implementation

1. Indicate which of the water uses listed below are prohibited by your agency or service area.

- a. Gutter flooding yes
- b. Single-pass cooling systems for new connections yes
- c. Non-recirculating systems in all new conveyor or car wash systems yes
- d. Non-recirculating systems in all new commercial laundry systems yes

- e. Non-recirculating systems in all new decorative fountains yes
- f. Other, please name no

2. Describe measures that prohibit water uses listed above:

SFID, the City of Solana Beach and Fairbanks Ranch patrol to be sure water is not being wasted. Any calls coming into the office are followed up with customer service check into water waste.

Water Softeners:

3. Indicate which of the following measures your agency has supported in developing state law:

- a. Allow the sale of more efficient, demand-initiated regenerating DIR models. no
- b. Develop minimum appliance efficiency standards that:
 - i.) Increase the regeneration efficiency standard to at least 3,350 grains of hardness removed per pound of common salt used. no
 - ii.) Implement an identified maximum number of gallons discharged per gallon of soft water produced. no
- c. Allow local agencies, including municipalities and special districts, to set more stringent standards and/or to ban on-site regeneration of water softeners if it is demonstrated and found by the agency governing board that there is an adverse effect on the reclaimed water or groundwater supply. yes

4. Does your agency include water softener checks in home water audit programs? yes

5. Does your agency include information about DIR and exchange-type water softeners in educational efforts to encourage replacement of less efficient timer models? yes

C. Water Waste Prohibition Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	6500	7000
2. Actual Expenditures	4160	

D. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

E. Comments

Regarding Section A-1-a: hard copies of the three new ordinances not on file (as listed below also) are being sent under seperate cover. 1.City of Solana Beach Ordinance #277 dated February 5th, 2002. An Ordinance of the City Council of the City of Solana Beach, California, Amending Chapter 13 of the Solana Beach Municipal Code Establishing Local Rules and Regulations Regarding Storm Water Management Pursuant to Order No. 2001-01 of the California Regional Water Quality Control Board, San Diego Region 2. Fairbanks Ranch Rules and Regulations: Section III Common Areas: 1. First violation will initiate a letter of warning advising residents of Association concern and offering assistance for more efficient irrigation. 2. Second violation wil initiate a letter advising

the resident of possible fines and setting a date that the corrections must be completed. 3. Third and subsequent violations will result in fines beginning at \$100.00 to a maximum of \$1,000. 3. Covering San Diego County: California Regional Water Quality Control Board- San Diego Region Order No. 2001-01 NPDES No. CAS0109758. Waster Discharge requirements from Discharges of Urban Runoff From the Muniapi Separate Storm Sewer Systems raining the Watersheds of the County of San Diego, the Incorporated Cities of San Diego County, and the San Diego Unified Port District.

BMP 14: Residential ULFT Replacement Programs

Reporting Unit: **Santa Fe Irrigation District** BMP Form Status: **100% Complete** Year: **2004**

A. Implementation

	Single-Family Accounts	Multi-Family Units
1. Does your Agency have program(s) for replacing high-water-using toilets with ultra-low flush toilets?	yes	yes
Number of Toilets Replaced by Agency Program During Report Year		
Replacement Method	SF Accounts	MF Units
2. Rebate	0	0
3. Direct Install	0	0
4. CBO Distribution	0	0
5. Other	109	67
Total	109	67

6. Describe your agency's ULFT program for single-family residences.

Through this program, participating residential customers are offered a voucher redeemable for up to \$75 off the purchase price. Vouchers can only be used to replace toilets that are 3.5 gpf or more. The ULFT Voucher Incentive Program has extensive marketing outreach.

7. Describe your agency's ULFT program for multi-family residences.

Same as above. Single family and multi-family customers are eligible to participate. Customers must be replacing existing high-volume fixtures.

8. Is a toilet retrofit on resale ordinance in effect for your service area? no

9. List local jurisdictions in your service area in the left box and ordinance citations in each jurisdiction in the right box:

Rancho Santa Fe, City of Solana Beach, and Fairbanks Ranch no citations were issued.
(approx 60%)

B. Residential ULFT Program Expenditures

	This Year	Next Year
1. Budgeted Expenditures	4450	4437
2. Actual Expenditures	3914.7	

C. "At Least As Effective As"

1. Is your AGENCY implementing an "at least as effective as" variant of this BMP? no

a. If YES, please explain in detail how your implementation of this BMP differs from Exhibit 1 and why you consider it to be "at least as effective as."

D. Comments

SFID uses vouchers rather than rebates