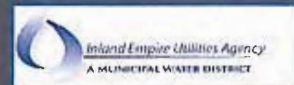




WaterWise Residential Landscape
Rebate Program Evaluation Report



Prepared By:



Executive Summary

Over the last three years, a combination of dry weather, low reservoir levels and imported water cutbacks due to the protection of endangered fish has left Californians facing one of the worst droughts in history. The state's two largest water projects have experienced record-low deliveries and communities throughout the state are feeling the impacts of water supply cutbacks.

Urban residents throughout the state have been called upon to implement voluntary conservation measures and many cities and water districts have moved to mandatory cutbacks as water supplies continue to dwindle. With tightened supplies, the implementation of essential water use efficiency measures is the cheapest, quickest and least environmentally damaging way to grow water supplies during these critical times.

In light of these factors, the regional pilot Water Wise Residential Landscape Rebate Program was initially designed to transform the public's attitude and perspective of landscaping and encourage the use of lower water using alternatives. Modeled after the successful residential turf replacement programs offered by the Southern Nevada Water Authority and Crescenta Valley Water District, the program was launched in December 2007.

The pilot encouraged residents to remove high water consuming lawns and replace them with alternative solutions such as low water using California native plant materials, and permeable surfaces that allow for ground water infiltration and runoff reduction, such as pavers or synthetic turf, all of which encourage water use reduction.

Qualifying applicants were eligible to receive \$2 per square foot of turf removed with a maximum award of \$2,000. In addition, applicants were required to have pre- and post-site inspections conducted and photos taken by their respective retail agency.

The initial program budget was set at \$50,000 to cover approximately 30 site conversions; however, due to overwhelming public interest, the budget was significantly expanded funding a total of \$240,620 in rebates and more than tripling program participation. Over the duration of the program, 136 site conversions were completed throughout the Agency's service area and within all eight member agency territories. In addition, the rebate leveraged larger site conversions and additional expenditures by participants, contributing to the success of the program.

Additionally, 18 eligible participants who submitted applications were unable to complete their projects for a variety of reasons ranging from prohibitive costs associated with the conversion, insufficient time allotted by the participant to complete the conversion within the six month timeline, and changes in plans by the participant resulting in a withdrawal from the program.

Generally participants removed larger areas of turf than originally estimated during pre-site inspections. Approximately 174,115 square feet of turf was estimated to be removed at the

time pre-site inspections were conducted; however, the total amount of square footage actually removed was 182,446, which accounts for approximately 25.5 acre-feet of potential water savings.

Completed Water Wise Projects were measured and evaluated to assist in developing and meeting aesthetic requirements for future programs. Agency staff measured and evaluated each site through the development of three model classifications. The classifications signify that all completed landscape projects met the program criteria. The classifications are:

- Models of Success
 - Projects designated in the “Models of Success” category contain a high percentage of plant coverage or a mixture of a high percentage of plant coverage with some permeable materials in the landscape design.
- Alternative Landscapes
 - Projects designated in the “Alternative Landscape” classification signifies that the landscape contains a high percentage of “other plant” (non-native plants) coverage or has a lower percentage of overall plant coverage and may contain a high percentage of paving material/ “additional materials”.
- Made the Grade
 - Projects in the “Made the Grade” classification contain a high percentage of permeable paving surfaces with minimal plant coverage, neither “CA Friendly plants” nor “other plants”.

There were a total of 61 sites that were classified as “Models of Success”, a total of 23 sites classified as “Alternative Landscapes”, and a total of 52 sites classified as “Made the Grade”.

Based on the total number of completed sites and estimated water savings potential, the avoided cost and savings resulting from the implementation of this program ranges from \$24,000 to \$118,000. Assumptions are based on an MWD rate escalation between 6% and 10% over a 10 to 15 year project life.

Overall, the pilot program was a success and achieved the desired results that it was originally established to do. Education and incentives were key components in generating program interest and encouraging a willingness to make a change. Many participants utilized workshops conducted by the Agency, visited the Chino Basin Water Conservation District or the Rancho Santa Ana Botanical Gardens to help them with ideas for completing their landscape

conversion projects. In addition, many others utilized books, website resources, and professionals to assist them with their projects.

The purpose of implementing this pilot program was to learn what worked and what did not by gathering feedback through measurement and evaluation of the public's response. Under this program, many lessons were learned providing valuable information that will serve as a basis for implementing future programs.

The program was found to build agency recognition and develop positive customer relations through one-on-one site visits provided by member agency staff. Many program participants surveyed were able to mention member agency staff by name and commented on how appreciative they were of the program and staff who had helped them.

Participants were aware of the current water situation and eager to do their part in reducing water use. They found the program process uncomplicated, with requirements clearly defined and implementation easy. Participants expressed their appreciation for the program and inquired about their eligibility in future landscape rebate programs.

However, based on some of the program results, there were areas where improvements could be made. For instance, while the pilot program offered a generous \$2 per square foot rebate and a 1,000 square foot maximum conversion area, other similar programs have demonstrated successful participation with a much lower per square foot rebate and a larger maximum conversion area.

Program requirements should be refined requiring participants to include a site plan of their proposed project that includes plant types, materials to be used, size of hardscaped areas to be installed and planned irrigation modifications.

Program parameters should restrict the installation of high water consuming plant materials, require a minimum site coverage percentage of live plant materials in lieu of installing alternative surfaces, and require an irrigation modification in converted areas. All of these suggestions have been made so program participant sites can meet local city requirements and to achieve an aesthetically pleasing landscape design.

A recommended plant and materials list should be developed that includes locations where the items may be purchased. Moreover, a landscape resource guide should be designed that would include templates of site designs, plant types, irrigation recommendations, and resources to better serve participants with their conversion.

Through random telephone surveying of program participants, the general consensus of participants was they would like to see the program reinstated so friends and neighbors would have an opportunity to participate and so some participants could expand their projects.

All participants indicated they love their new landscaping and many have seen a reduction in their water use. Although many of the participants were contemplating a landscape conversion prior to learning about the Water Wise Program, the rebate encouraged them to make the change faster as participants found their projects too cost prohibitive in some instances, without the rebate.

Since converting their landscapes, participants have received positive feedback from friends and neighbors who have also inquired about participation in the program.

The pilot Water Wise Landscape Rebate Program was established to shift public perception from traditional landscaping concepts to more creative, aesthetically pleasing alternatives and it accomplished this goal. In addition, it achieved success through educating and informing the public about the current water crisis and the need for permanent changes. The need to transform the way the public uses water outdoors is imminent and through this pilot, a new era has been born.

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IEUA Member Agency Participants

City of Chino

City of Chino Hills

Cucamonga Valley Water District

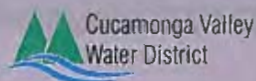
Fontana Water Company

Monte Vista Water District

City of Ontario

San Antonio Water Company

City of Upland



Section 1

Program Background

The pilot Water Wise Residential Landscape Program began in December 2007 in order to evaluate residential interest in removing high water use landscapes, such as turf, to replace them with an alternative, low water use landscape. Data from the American Water Works Research Foundation's 1999 "Residential End Uses of Water" study revealed that the majority of residential water use (58%) is used on outdoor irrigation. The success of cash-for-grass programs in arid regions, such as the Southern Nevada Water Authority's (SNWA) successful program in Las Vegas, incited the curiosity of the Agency and its member agencies to explore the possibilities for the service area. However, it was unclear how interested the community would be in such a program, and so the pilot Water Wise Residential Landscape Program was initiated with minimal advertising and a goal of providing 30 rebates to test this.

Prior to IEUA initiating the program, a subcommittee of the Regional Conservation Coordinators met to discuss and evaluate the viability of creating a cash-for-grass rebate program. The subcommittee's effort resulted in a recommendation to contract with a third party contractor to establish and manage the program. An initial RFP was released in July, 2007, but the proposals far exceeded the program budget and were rejected out of hand (proposals came in at over \$200,000 to administer a \$50,000 program). A second RFP with reduced tasks was released and had similar results.

After the issuance of a second RFP resulted in a similar outcome, management at IEUA requested that staff develop and model a program based on the successful residential turf replacement programs offered by Southern Nevada Water Authority (SNWA) and Crescenta Valley Water District (CVWD). IEUA staff met with the staff of both agencies in September 2007 to review their programs and receive their advice on how best to develop a pilot landscape rebate program for IEUA's service area.

Establishment of Program Criteria & Administrative Process During monthly conservation group meetings, staff presented the program to the Conservation Coordinators to discuss and establish program criteria and administration procedures (Appendix Section A). Based on the outcome of these meetings, the pilot program offered a generous \$2 per square foot up to a \$2,000 limit per residential site, based on the SNWA's incentive, in order to incite as much interest as possible. It was expressed, during initial program development, that there were concerns regarding the amount of the rebate and the cost effectiveness of the program as it related to water savings. In order to ensure that residents were making a meaningful change to their landscape, thus reducing the possibility that people were applying for the program to get the money instead of committing to a landscape lifestyle change, minimum performance criteria were established stating that residents must commit to removing at least 400 square feet of turf and maintaining a turf-less landscape for a minimum of five years.

To ensure the removal of turf and get accurate square footage measurements, conservation coordinators or designated staff from the agency in whose service area the residence was located would conduct a pre-installation site visit. Inspectors were provided with information packages, customized to identify the specific water provider for each region, which they could distribute to the residents during inspections. These packets informed applicants that they were officially in the program, reviewed program criteria to ensure their eligibility, and contained information about additional landscape related rebates, tips and design ideas about California Friendly landscapes (see Appendix Section H). These packets were also generated as a tool for participating agencies to begin establishing a rapport with their customers and meet requirements, as signatories to the California Urban Water Conservation Council Best Management Practices requirements by distributing educational materials through Public Information Programs: BMP 2.1 (IEUA August 2009 Water Use Efficiency Interim Plan; CUSCC's BMPs Dec. 11 1991 version). Once the site had been verified during the Site Visit, applicants had 6 months to implement the landscape conversion. After the conversion was completed, applicants contacted their local inspector and a follow-up site visit occurred to verify that the landscape conversion has taken place. Payment of the rebate to the homeowner was made upon verification of the site conversion.

Program Expansion Residents within the local community were extremely responsive to the pilot program and all pilot monies had been expended or committed for payment by April 2008. In order to test program responsiveness for a one year period, funding was increased with a goal of distributing a total of 80-90 rebates. By December 2008, IEUA had received over 130 applications for the pilot program, exceeding expectations and decisively indicating that the local community was interested in a turf removal rebate.

Due to the success of the IEUA's pilot WaterWise Residential Landscape Rebate Program, the Metropolitan Water District (MWD) began discussions with program staff to create a MWD Turf Removal Pilot Program. Unfortunately, due to the downturn in the State's economy, funding, which came in part through a grant from the Department of Water Resources, was decreased and MWD's pilot program did not come to fruition. As it was anticipated that the MWD's Turf Removal Pilot Program would come into affect by January 2009, no additional funding was allocated to the IEUA's pilot WaterWise Residential Landscape Rebate Program and the program came to a close. Staff continues to receive phone calls and inquiries from local residents interested in participating in the program.

Section 2

Program Guidelines

Program Details

The Water Wise Landscape Rebate Program offered customers residing in the service areas of the cities of Chino, Chino Hills, Ontario, and Upland, Cucamonga Valley Water District, Fontana Water Company, Monte Vista Water District, and San Antonio Water Company the opportunity to remove up to 1,000 square-feet of high water using turf replacing it with more water efficient, permeable materials. Each qualified applicant who removed turf received a \$2 per square-foot incentive or a maximum of \$2,000 per service address.

Minimum Program Requirements

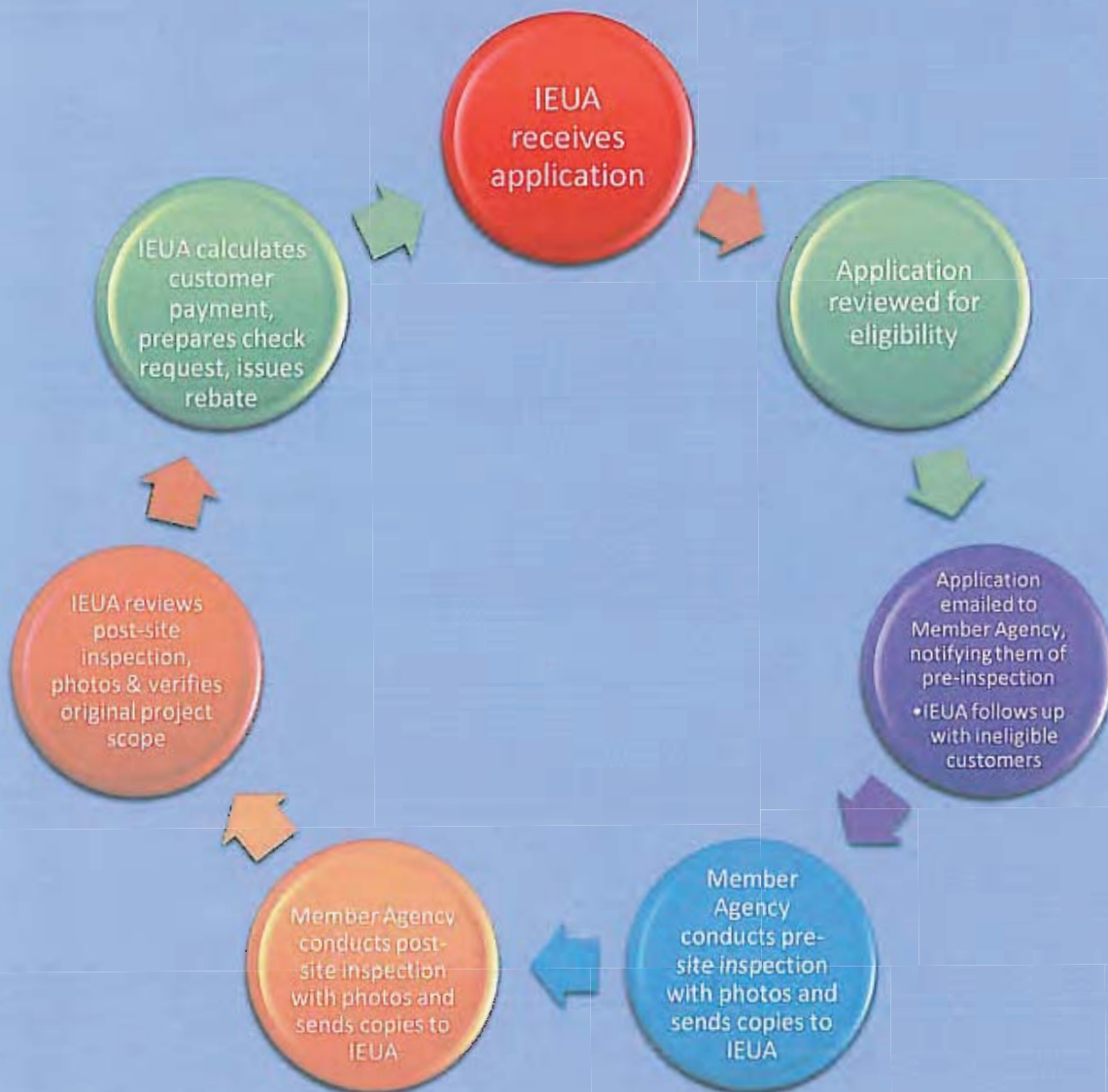
- ✓ A minimum of 400 square-feet of turf required to be removed per site
- ✓ Program participants required to maintain newly remodeled landscaping for a minimum of five years
- ✓ Program participants agree to five year water usage monitoring
- ✓ Program Participants agree to have a pre and post site inspection conducted to verify program compliance and eligibility for full funding of their landscape conversion project
- ✓ Program payments made to participants upon post site inspection verification
- ✓ Program participants required to install only permeable surfaces and not allowed to re-install cool season turf
- ✓ Program participants encouraged to use micro-irrigation systems, mulch, and low water use or native plant materials
- ✓ No restrictions on plant types or site coverage
- ✓ No irrigation modification requirement

Program Process

See flow chart below.

Section 3

Water Wise Application Submission Process



Section 4

Program Results

Program Summary Chart:

-Total Program Overview-
 Total Number of Conversions: **136**
 Total Amount of Turf Removed: **182,446 Sq. Ft.**
 Total Potential Water Saved: **25.5 AF per year**
 Estimated Actual Water Savings: **25 AF per year**
 Total Amount Awarded: **\$240,620**
 Total Amount of Synthetic Turf Installed: **28,320 Sq. Ft.**

| | Chino | Chino Hills | CVWD | FWC | MVWD | Ontario | SAWC | Upland |
|-----------------------------------|---------|-------------|----------|---------|----------|----------|---------|----------|
| Total Application Submissions | 6 | 21 | 58 | 5 | 14 | 16 | 3 | 31 |
| Total Completed Conversions | 4 | 17 | 55 | 4 | 11 | 14 | 3 | 28 |
| Total Participants Removed | 2 | 4 | 3 | 1 | 3 | 2 | 0 | 3 |
| Total Turf Removed (Sq. Ft.) | 5,966 | 17,403 | 73,737 | 4,905 | 17,328 | 17,673 | 3,750 | 41,684 |
| Total Water Saved (Acre-Feet) | 0.84 | 2.4 | 10.3 | 0.69 | 2.4 | 2.5 | 0.53 | 5.8 |
| Estimated Turf Removed (Sq. Ft.) | 5,971 | 16,191 | 75,413 | 4,628 | 18,145 | 18,107 | 3,750 | 31,910 |
| Estimated Water Saved (Acre-Feet) | 0.84 | 2.3 | 11 | 0.65 | 2 | 3 | 0.53 | 4 |
| Total Amount Awarded | \$7,300 | \$25,542 | \$99,086 | \$6,800 | \$19,376 | \$25,364 | \$6,000 | \$51,152 |
| "Models of Success" | 2 | 4 | 18 | 3 | 6 | 7 | 2 | 19 |
| "Alternative Landscapes" | 0 | 2 | 11 | 0 | 2 | 3 | 1 | 4 |
| "Made the Grade" | 2 | 11 | 26 | 1 | 3 | 4 | 0 | 5 |

-Classification System-

"Models of Success" - Landscapes that contain a high percentage of plant coverage or a mixture of a high percentage of plant coverage with some permeable materials in the landscape design.

"Alternative Landscape" - Landscapes that contain a high percentage of other plants (non-native plants) or has a low percentage of CA Friendly plant coverage.

"Made the Grade" - Landscapes that contain a high percentage of permeable paving surfaces with minimal plant coverage, neither "CA Friendly plants" nor "other plants".

Section 5

Program Measurement & Evaluation

Summary:

The landscapes were equitably evaluated using an objective numerical system to help place the sites into one of the three following classifications: "Model of Success," "Alternative Landscape" and "Made the Grade." These classifications signify that all of the landscapes, representing each member agency, met the criteria of the program.

Landscape evaluations began with determining what types of plants were used in the conversion. Plant types include a range that contains "CA Friendly Plants", which are low water using plants to "Other Plants" which are medium to high water using plants. This area also determined if there were no plants or very few plants planted at all. California Friendly plants are represented by the number 4, medium water using plants (i.e. plants that are neither CA Friendly nor tropical) are represented by the number 3, high water using plants (i.e. tropical plants) are represented by the number 2, and no or very minimal plant coverage is represented by the number 1.

The amount of plant coverage was evaluated in brackets of 0-25% (representing a 1), 25-50% (representing a 2), 50-75% (representing a 3) and 75-100% (representing a 4).

The ground plane was evaluated by percentages indicating whether a landscape installed 0-25% (representing a 4), 25-50% (representing a 3), 50-75% (representing a 2) or 75-100% (representing a 1) of paving.

Two variables were taken into account while analyzing the percentage of paving installed; whether the paving was permeable or non-permeable. Non-permeable paving percentages are as follows: indicated in brackets of 0-25% (representing a 4), 25-50% (representing a 3), 50-75% (representing a 2) and 75-100% (representing a 1). Permeable paving percentages are as follows: indicated in brackets of 0-25% (representing a 1), 25-50% (representing a 2), 50-75% (representing a 3) and 75-100% (representing a 4). If the non-permeable percentage is between 0-25% (or a 4) and the permeable percentage is between 0-24% (or a 1), then no paving was included in the landscape design.

A summation was taken of each of the above characteristics for each site to determine what classification the sites belonged to. Sites that had a total sum of 16 or above fell into the "Models of Success" classification. Sites that had a total sum between 13 and 15 fell into the "Alternative Landscapes" classification. Finally, sites that had a total sum of 12 or below fell into the "Made the Grade" classification.

In the Appendix of this report, all of the sites are represented with a pre- and post-conversion photo and a brief description box containing the site characteristics. Given that many participants converted more of their property than they had originally anticipated at the time of their pre-inspection of the site, the photos that are included may not show all of the landscaping that had been completed. Thus, the entire site conversion (i.e. the front, back and side yards) was taken into account during the site evaluation process.

Descriptions of Materials Used:

In the description box for every site a category is given which indicates what materials the participants used in their landscape designs. The definitions for each of these different material headings are as follows:

- CA Friendly Landscape: These plants are native to Mediterranean regions and use less water than non-native plants. Some CA Friendly plants that can be seen at the different sites include: Salvia Clevelandii (Cleveland Sage), Muhlenburgia Rigens (Deer Grass), Lavandula Species (Lavender), Cacti Species (Cactus), Rosmarinus Species (Rosemary), Ceanothus Species (CA Lilac) and Cistus Species (Rockrose).
- Mixed Materials: This title indicates that a mixture of materials were used to achieve the design of the landscape, such as integrating synthetic turf surrounded by rock beds filled with CA Friendly plants or using a decomposed granite base overlaid with rock pathways and other plants.
- Other Plants: This description means that non-CA Friendly plants, which use higher amounts of water, make up the majority of the landscape. Pittosporum Species (No Common Name), Nandina Species (Heavenly Bamboo) and Phormium Species (Flax) are examples of plants that are not CA Friendly.
- Gravel: This term signifies that gravel is the predominate material that was used in the landscape design.
- Additional Materials: These materials include synthetic turf, permeable pavers, decomposed granite, straw and mulch.

State of the Landscape:

The state of the landscape identifies whether or not the landscape has fully matured or not. This characteristic is stated in the description box for every landscape. The definitions for the two headings are as follows:

- Complete Landscapes: These are landscapes that have been completed, signifying that the plants are at or close to their full size.
- Transitional Landscapes: These are landscapes that are not complete or landscape designs where the plants are not close to their full size (excluding tree size considerations as they take many years to mature). Reasons for an incomplete landscape include plants being available only during certain seasons of the year, self-design and self-installation by participants without the aid of a professional contractor, or the time-consuming process of killing off the grass in sections.

Classification Evaluations:

Models of Success

Landscapes that have been classified as “Models of Success” contain a high percentage of plant coverage or a mixture of a high percentage of plant coverage with some permeable materials in the landscape design. More specifically, permeable paving materials consist of decomposed granite, gravel, pavers and permeable concrete. Synthetic turf is another material that can be used in this classification and it is often used in conjunction with CA Friendly or Other Plants and some other “additional material”.

Examples:

Turf Removed: 1,594 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of Landscape: Complete



Turf Removed: 858 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded: \$1,716
Materials Used: CA Friendly
State of Landscape: Complete



Alternative Landscape

An "Alternative Landscape" classification signifies that the landscape contains a high percentage of "other plant" (non-native plants) coverage or has a low percentage of overall plant coverage and may contain a high percentage of paving material/additional materials. Materials used in this classification primarily include "other plants", synthetic turf and pavers.

Examples:

Turf Removed: 970 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete



Turf Removed: 992 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$1,984
Materials Used: Other Plants
State of Landscape: Transitional



Made the Grade Landscape

A "Made the Grade" landscape design contains a high percentage of permeable paving surfaces with minimal plant coverage, neither "CA Friendly plants" nor "other plants". These landscape designs heavily utilize permeable pavers, permeable concrete, synthetic turf, mulch or straw.

Examples:

Turf Removed: 738 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,476
Materials Used: Synthetic Turf
State of the Landscape: Complete



Turf Removed: 1,040 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of Landscape: Transitional



Section 6

Water Wise Program Lessons Learned

The Water Wise Landscape Pilot Program was implemented to learn more about the public's attitude and willingness to choose more sustainable landscaping options without placing tight restrictions on their creativity. By gathering data through feedback, measurement and evaluation, many lessons were learned providing valuable information that will serve as a foundation for designing and implementing future programs.

This program built agency recognition amongst participants and developed better customer relations through one-on-one site visits provided by member agency staff. Many participants mentioned member agency staff by name and commented on how appreciative they were of the program and staff who had helped them.

Participants were aware of the current water situation and eager to do their part in reducing water use. They found the program process uncomplicated, with requirements clearly defined and implementation easy. Participants expressed their appreciation for the program and inquired about their eligibility in future landscape rebate programs.

However, based on some of the program results, there were areas where improvements could be made. For instance, while the pilot program offered a generous \$2 per square foot rebate and a 1,000 square foot maximum conversion area, other similar programs have demonstrated successful participation with a much lower per square foot rebate and a larger maximum conversion area.

The program requirements should be refined requiring participants to include a site plan of their proposed project that includes plant types, materials to be used, size of hardscaped areas to be installed and planned irrigation modifications. A site plan carries dual benefits: 1) it assists the participant in conceptualizing an idea for their property; and 2) it aids the member agency representative in identifying the specific area to be measured and the materials that were designated to fill the converted space at the time of the post-site inspection. This tool is not to be considered a substitute for conducting post-site inspections and physical measurement of site conversions shall always be performed to ensure project is verified and remains eligible for original funding request.

Program parameters should restrict the installation of high water consuming plant materials, require that live plant materials cover a minimum percentage of the converted site in lieu of installing alternative surfaces, and require an irrigation modification in converted areas. In

addition, project areas may only be limited to front yard conversions in order to maximize program exposure and public outreach opportunities.

A recommended plant and materials list should be developed that includes locations where the items may be purchased. Moreover, a landscape resource guide should be designed that would include templates of site designs, plant types, irrigation recommendations, and resources to better serve participants with their conversion.

Section 7

Participant Follow-Up Survey

Over a two week period, the Agency and its member agencies' staff conducted random telephone surveys to obtain participant feedback on their experiences with the program. A total of twenty-five surveys were completed representing participant feedback from all eight member agency service areas. Overall, comments were very positive and the program was well received. The following comments represent a brief summary of collective responses:

- Many participants were eager to see this program reinstated so that other community members might get an opportunity to participate and so that past participants might be able to participate again so they can work on expanding their initial conversions.
- Participants were very happy with their new landscaping and many have seen a reduction in their water use.
- Participants found the program requirements to be clear and program participation easy.
- While many participants had previously been planning a landscape conversion prior to finding out about the Water Wise Rebate, the rebate allowed the participant to move forward with their project faster than anticipated.
- Many participants were interested in undertaking a landscape conversion project, but found it to be too costly without the aid of the funding. The funding allowed them to augment the total cost of the project they envisioned and to move forward.
- Program Participants communicated that feedback received from friends and neighbors on their new landscaping has all been positive and many of those people now wish to convert their own landscaping.

WaterWise Residential Rebate Program Follow-Up Survey Results

| Survey Questions | Yes | No | Comments |
|--|-----|----|---|
| Did your water agency provide you with an informational packet prior to the start of your conversion and was it helpful? | 15 | 9 | Can't remember; took IEUA classes; visited Rancho Santa Ana Botanical Gardens; yes the packet was helpful; performed a lot of self research |
| Were the requirements of the program clearly spelled out? What could have been done better to make the requirements more clear? | 23 | 2 | Program should not have been labeled a "mini-grant"; poor communication with member agency; information could have been clearer |
| Did you find the program easy to participate in? What could have been done better? | 24 | 1 | Would like more information on plants and wider range of plant suggestions provided in packet; member agency had very poor communication and "dropped the ball" several times with the customer |
| Do you like your new landscaping? | 25 | 0 | Plants are starting to grow in; installed synthetic turf primarily for dog; wish they could do more and continue converting other areas; water bill is 50% lower; love it! |
| Did you complete your landscaping project? If not, what still needs to be done? | 20 | 4 | No: Are replacing plants that have died; still adding plants; may convert additional areas; personal setbacks have prevented additional conversions; want to convert more areas but WaterWise program is on hold; want to eventually eliminate all of their grass |
| Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate? | 22 | 1 | Vast majority of respondents stated that lawn conversion was something they were considering but the rebate accelerated their decision; rebate offset costs and made the conversion possible |
| Have you seen a decrease in water usage since removing your lawn? Give reasons as to why or why not. | 16 | 4 | Yes: Decrease was slight but now stable; installed additional water savings devices inside and outside the home; irrigate less each week; 50% water reduction No: Plants are still being established, were not irrigating before the conversion so no noticeable water savings, spouse still likes to water alot |

| Comment Questions | |
|--|--|
| How did you learn about this program? | Newspaper: 4 Utilities Company: 9 IEUA Website: 6 Landscape Contractor: 4 Another Participant: 1 Neighbor: 2 Member Agency Employee: 1 |
| What resources did you use to convert your landscape? List all that apply. | Professional Landscaper/Architect: 12 Books: 9 Tours: 3 WaterWise Information Packet: 8 Nurseries: 4 Self Install and Self Design: 8 Water Agency: 2 Rancho Santa Botanical Gardens: 3 Plant Websites: 3 Family: 1 |
| What feedback have you received from friends or neighbors on your new landscaping? | At first they were skeptical but now that landscape has filled in they are more receptive; receive positive remarks and show lots of interest; positive feedback and additional people signed up after speaking to participant and looking at his yard; people like it; installation of synthetic turf has eliminated damage by dog; lives across the street from an elementary school exposing his conversion to 1,000+ parents driving by each day |

General Comments About The Program

- Goal is to use as many native plants as possible;
- Yard is easier to maintain and it was easy to participate in the program;
- Program criteria was easy to understand; IEUA staff were very helpful;
- Great program, appreciate the funding, wish the program would continue/restart; would like to convert additional areas of their yard
- "When are Californians going to realize we have a water shortage and they need to make changes like Las Vegas has done";
- Participant received CVWD Landscape Recognition Award and will be part of the future WaterWise tour;
- Rebate should be reduced to \$1/sf so more people can participate in the program;
- Participant's conversion has inspired others to do the same;
- Participant receives lots of questions and inquiries about his conversion, and the rebate program and terms;
- "A great project, very happy with the results, great communication with the water agency";
- "It gave us a nudge to go forward with an idea we had already been considering";
- Provide customer with turf removal cost reduction ideas (due to dumpster rental costs);
- Advertise publicly on expected water savings with the program;
- The money saved each month due to their conversion is small but they wanted to do the right thing to reduce imported water supplies during this drought;
- Please do more marketing of the program because seniors don't always have internet access;
- Member agency communication should be improved with the customer;
- Please show more examples of nice landscapes and successful conversions to inspire people

WaterWise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: _____

Address: _____

Water Agency: _____

- 1.) How did you learn about this program?

- 2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

- 3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

- 4.) Did you find the program easy to participate in? What could have been done better?

- 5.) Do you like your new landscaping?

- 6.) Did you complete your landscaping project? If not, what still needs to be done?

- 7.) What was the total cost of your project? What is the estimated square footage of the project?

\$_____ .00 _____ square footage

- 8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

- WaterWise Information Packet** _____
- Professional Contractor** _____
- Books** _____
- Magazines** _____
- Websites** _____
- Other** _____

10.) Have you seen a decrease in water usage since removing your lawn?

Yes (use first bullet) or **No** (use second bullet)

- If so, please check all of the following factors which may have caused you to use less water:
 - Installation of additional water savings devices
 - A decrease in household size
 - Other: _____

- If not, please check all of the following factors which may have caused you to use more water:
 - Establishment of new plants in place of grass
 - An increase in household size
 - Did not change the watering schedule after replacing grass
 - Did not alter the irrigation system after replacing grass
 - Swimming pool installation
 - Other: _____

11.) What feedback have you received from friends or neighbors on your new landscaping?

12.) Are there any additional comments that you would like to provide about the program?

Section 8

Bibliography

Water Use Efficiency Interim Plan, IEUA August 2009

CUWCC BMP 2: <http://www.cuwcc.org/mou/bmp2-education-programs.aspx>

Peter Mayer, William DeOreo, Eva Opitz, Jack Kiefer, William Davis, Benedykt Dziegielewski, and John Olaf Nelson, 1999.
Residential End Uses of Water.

<http://www.waterresearchfoundation.org/research/TopicsAndProjects/execSum/241.aspx>

Appendix

Program Guidelines - *Section A*

Program Application and Forms - *Section B*

Program Summary Chart - *Section C*

Completed Site Evaluations - *Section D*

Actual Water Savings Chart - *Section E*

Participant Surveys - *Section F*

Member Agency Program Participation Materials - *Section G*

Participant Educational Materials - *Section H*

Conversion Landscape Tool - *Section I*

Presentation - *Section J*

Program Guidelines

Water-Wise Residential Landscape Program

Rebate Amount

The pilot program rebate is \$2 per-square-foot up to a \$2,000 maximum per address.

Qualifications

In the interest of keeping the pilot program as user-friendly as possible, the site retrofit restrictions are limited to the removal of turf. Additional criteria are listed below:

1. You must participate in a pre-conversion site visit before removing your lawn. This program is not retroactive.
2. A minimum performance requirement of at least 400 square feet of turf must be removed at an address to be eligible. An exception will be made for smaller projects if they completely eliminate the front or back yard.
3. The homeowner must commit to maintaining the new California-friendly landscape for a minimum of five years.
4. Sites may be re-landscaped with any type of plant material, except turf (see care package for ideas and other rebate opportunities). Converted areas must be permeable to air and water:
 - surface treatments of mulch, rock, gravel and ungrouted stepping stores are eligible
 - if a weed barrier is used it must be permeable to air and water. Concrete, plastic sheeting, or other impermeable treatments DO NOT qualify
5. This program may be combined with other rebates. However, if combined with the Synthetic Turf Rebate, the Synthetic Turf Rebate amount is limited to 30¢ per square foot.

Process

A pre-installation site visit (Pre-Site Inspection) will need to be conducted to assure that the residence qualifies for participation in the pilot program. Applicants will have 6 months to implement the landscape conversion. The time limit ensures that homeowners who are not ready to implement the program do not unduly hold up the use of the rebate funds by those who are ready. A post-installation site visit (Post-Site Inspection) will be conducted to verify that the landscape conversion has been completed. Payment of the rebate to the homeowner will be made upon verification of the site conversion.

1. IEUA receives and reviews the completed and signed application to determine eligibility (see Appendix A for application forms). If application is incomplete, IEUA staff will attempt to contact the applicant. The application will not be processed unless it is complete and includes required attachments.

2. IEUA staff will notify the appropriate member agency and email a scanned copy of the completed application and attachments.
3. The member agency will receive the application and contact the applicant to set up a Pre-Site Inspection. (note: it is recommended that the member agency create a folder for each application to store the application, pre/post site inspections and photographs)
4. The Pre-Site Inspection consists of measuring the site with a measuring wheel to ensure that a minimum of 400 square feet of turf will be removed, taking photographs of the site for recording purposes, distributing the Care Package (see Appendix B) to the applicant, and filling out the Pre-Site Inspection form (see Appendix C).
5. The Pre-Site Inspector (Inspector) will download the photographs, scan the Pre-Site Inspection form and add them to the site file.
6. When conversion is complete (within 6 months) the applicant will contact their program representative (the Pre-Site Inspector) for final verification.
7. The Post-Site Inspection consists of verifying that 1) all turf in the designated area has been removed and replaced with an alternative landscape; 2) there is no underlying impermeable plastic weed barrier on the site; and 3) there is no impermeable hardscape on the site. During the Post-Site Inspection the Inspector will also take photographs of the site for recording purposes and fill out the Post-Site Inspection form (see Appendix C).
8. If the site does not meet the requirements:
 - a. The Inspector must notify the applicant of the shortcomings and allow the applicant 6 weeks to comply.
 - b. After the 6 weeks have passed, the Inspector will return to reevaluate the site.
 - c. If the site still does not meet program requirements the member agency must notify IEUA of the applicant's ineligibility and email all scanned forms and photographs to IEUA.
 - d. IEUA will send a letter of ineligibility to the applicant.
9. If the site meets the site requirements, the Inspector will download the photographs, scan the Post-Site Inspection form and add them to the site file and email the completed file to IEUA. A completed file will consist of:
 - a. Pre-Site Inspection form
 - b. Pre-Site Inspection photographs
 - c. Post-Site Inspection form
 - d. Post-Site Inspection photographs

10. After the site has been verified as meeting the program requirements, IEUA will process the rebate and mail a check to the applicant at a value of \$2/square foot of turf removed up to a maximum of \$2,000 per address.
11. Inspectors may conduct spot-check follow up inspections every two years to ensure that the new Water-Wise landscapes are in place for the 5 year minimum.

Appendix A: Water Wise Residential Application Form

Water-Wise Residential Landscape Program

Application and Agreement



Inland Empire
UTILITIES AGENCY

PLEASE PRINT:

| | |
|--|--|
| Property Owner: | |
| Contact Person (if not owner): | |
| Telephone Number(s): | |
| Estimated square footage of conversion: | |
| Do you intend to install synthetic turf? If yes, please estimate square footage. | |
| Mailing Address: | |
| Address of site to be converted (if differs from mailing address) | |

I agree to participate in a free, post-site water evaluation if contacted by my retail water provider or their designee.

SELECT YOUR RETAIL WATER AGENCY (Enclose a copy of your Water Bill)

- | | | |
|--|---|--|
| <input type="checkbox"/> City of Chino | <input type="checkbox"/> City of Chino Hills | <input type="checkbox"/> Fontana Water Company |
| <input type="checkbox"/> Cucamonga Valley Water District | <input type="checkbox"/> Monte Vista Water District | <input type="checkbox"/> City of Ontario |
| <input type="checkbox"/> San Antonio Water Company | <input type="checkbox"/> City of Upland | |

INSTRUCTIONS

- 1 Read the agreement on the second page of this form for program details
- 2 Submit your original completed and signed application along with photographs of the area you plan to convert. Make and keep a copy for your records.
- 3 A representative from your retail water agency will contact you to verify site qualifications and set up a pre-conversion site visit.
- 4 Upon completion of site conversion (within 6 months) contact your retail water agency representative for a final inspection. (extensions may be awarded at your water agency representative's discretion)
- 5 After verification, you will receive a check from IEUA for \$2 per square foot of turf removed up to \$2,000 limit per address

IMPORTANT: You must participate in a pre-conversion site visit before removing your lawn. Starting without approval will make your conversion ineligible.

I have read and understand the Inland Empire Utilities Agency's program policy requirements as stated in this application. I further understand that I must be the property owner or the owner's legally-appointed representative in order to claim any funds. Furthermore, I agree to allow my retail water agency to track the property's water use and conduct post site inspections for the duration of the five year period. Any claims about defects or performance of the selected landscape materials will be between me and the manufacturer/distributor of the product. My retail water agency specifically disclaims any representations or warranties about any landscaping products, whether expressed or implied.

Please sign at the bottom, initial the second page, include attachments, and mail to:

Water-Wise Residential Landscape Program
P.O. Box 9020
Chino Hills, CA 91709

4. YOUR SIGNATURE (Required)

I certify that I am the property owner or the owner's legally-appointed representative. I understand and agree to the program conditions on the second page of this form.

Applicant's Signature _____

Print Name _____

Date _____

PROGRAM USE ONLY-This property's eligibility to participate has been verified and the agreement is approved.

Retail Water Agency Representative Signature _____

Print Name _____

Date _____

Completion period expires _____

Did you include?

- Copy of Water Bill Authorized Signature Photographs of site Completed WWS form (see p 3-6)
- Initials on page 2

Eligibility

Customer Eligibility

1. Funds are only available to single family residential customers of participating retail water agencies within IEUA's service area (see list of retailers above to check if you qualify).
2. Areas to be converted must be lawn.
3. At least 400 square feet of lawn must be converted. Smaller projects may be accepted on a case by case basis or if they completely eliminate the front or back yard of a single-family home.
4. Conversions must comply with any governmental code, law or policy relating to landscape design standards. To ensure compliance please contact your city code enforcement officer.

IMPORTANT: You must participate in a pre-conversion site visit before removing your lawn.

Starting without approval will make your conversion ineligible for this program.

Requirements for the Converted Landscapes

Plantings

At completion, converted areas may be planted with anything BUT turf. You are encouraged to use California Friendly® drought tolerant plants (see www.bewaterwise.com for plant lists and ideas for your landscape conversion)

Surface Treatments

Converted areas must remain permeable to air and water. Surface treatments such as mulches of rock, gravel, bark, and ungrouted stepping stones are recommended. If a weed barrier is used, it must be manufactured to be permeable to air and water. Concrete, plastic sheeting, or other impermeable treatments do not qualify.

Irrigation

Existing irrigation systems and schedules should be modified to efficiently irrigate the new water-wise landscape. Efficient irrigation systems, such as drip, micro-sprays, and rotating nozzles are encouraged. In many cases, additional rebates are also available for a variety of irrigation upgrades—visit www.ieua.org or your local water agency for rebate applications and information.

Terms of the Program

IEUA's Assurance

This agreement expires in six calendar months. The six-month term begins the day after a site inspector from your retail water agency approves the agreement and ends at 5 p.m. on the first business day after six calendar months have elapsed. Once you notify your retail water agency of the site's completion, any delay for a final inspection is not counted as part of the six-month term (extensions may be awarded at the inspector's discretion). Only one payment will be issued under this agreement; additional conversions will require a new application. A maximum of \$2,000 will be paid per address.

Incentive amounts and limits

A minimum of 400 square feet of qualifying area per property, per owner, will be funded at \$2.00 per square foot, not to exceed \$2,000 per address. IEUA may reject or limit applications based upon the availability of funds. Checks are issued only to the property owner or owner's legally-appointed agent.

Final Inspection

After notification of the project's completion, a program representative will conduct an inspection to verify program compliance. If the conversion fails inspection, you will be allowed 60 days or the remainder of the six-month period, whichever is greater, to fully comply with the program conditions

Requirement to sustain the conversion

The converted area must remain in compliance with all program conditions for a period of 5 years. If this requirement is violated you may be required to refund all or a portion of the program payment. The agreement is void upon transfer of ownership.

Other responsibilities of the applicant

IEUA enforces only the conditions of the Water-Wise Residential Landscape Program agreement. The applicant is responsible for complying with all laws, policies, codes and covenants that may apply. Quality and appearance of the conversion is the responsibility of the applicant. By participating in this program you agree to allow your retail water agency to track your water use and conduct post site inspections for the duration of the five year period. Funds may be considered taxable income and it is required that the included W9 form be completed prior to receiving funding. This program may be combined with other rebates; however, if combined with Synthetic Turf Rebate, the Synthetic Turf Rebate is limited to 30¢ per square foot. The Inland Empire Utilities Agency reserves the right to alter the requirements or cancel this program at any time without prior notice. Contact your local retailer for details.

Please Initial _____

Water-Wise Residential Landscape Program Amount
400 square foot Minimum \$2.00 per sq. ft. \$2,000 Maximum per address

Water-Wise Residential Landscape Rebate Application and Agreement

| | |
|---|--|
| Property Owner: | |
| Mailing Address: | |
| Contact Person: <small>(if not owner)</small> | |
| Telephone Number(s): | |
| Address of site to be converted <small>(if differs from mailing address)</small> | |

SELECT YOUR WATER AGENCY (Enclose a copy of your Water Bill):

- | | | |
|--|---|--|
| <input type="checkbox"/> City of Chino | <input type="checkbox"/> City of Chino Hills | <input type="checkbox"/> Fontana Water Company |
| <input type="checkbox"/> Cucamonga Valley Water District | <input type="checkbox"/> Monte Vista Water District | <input type="checkbox"/> City of Ontario |
| <input type="checkbox"/> San Antonio Water Company | <input type="checkbox"/> City of Upland | |

INSTRUCTIONS

1. Read the agreement on the back of this form for program details.
2. Submit the original copy of your completed and signed application along with photographs of the area you plan to convert. Make and keep a copy for your records.
3. A representative from your water agency will contact you to verify site qualifications and set up a pre-conversion site visit.
4. Upon completion of site conversion (within 6 months) contact your program representative for a final inspection.
5. After verification, you will receive your rebate from IEUA.

IMPORTANT: You must participate in a pre-conversion site visit before removing your lawn.
Starting without approval will make your conversion ineligible for the rebate.

I have read and understand Inland Empire Utilities Agency rebate policy requirements as stated on this application. I further understand that if I am not the legal owner of the property, the property owner must sign this application waiving the owner's claim to any rebate. Furthermore, I agree to allow my water agency to track my water use and conduct post site inspections for the duration of the five year period. Any claims about defects or performance of the selected landscape materials will be between me and the manufacturer/distributor of the product. My retail water agency specifically disclaim any representations or warranties about any landscaping products, whether expressed or denied.

Please sign at the bottom, attach a copy of the property's water bill, and mail to:

Water-Wise Residential Landscape Rebate Program
P.O. Box 9020
Chino Hills, CA 91709

4. YOUR SIGNATURE (Required)

I certify that I am the property owner or the owner's legally-appointed representative. I understand and agree to the program conditions on the back of this form

| | |
|-----------------------------|------------------|
| Applicant's Signature _____ | Print Name _____ |
| Date _____ | |

PROGRAM USE ONLY-This property's eligibility to participate has been verified and the agreement is approved

| | |
|--|---------------------------------|
| Program Representative Signature _____ | Print Name _____ |
| Date _____ | Completion period expires _____ |

Did you include? Copy of Water Bill Authorized Signature Photographs

The Water-Wise Residential Landscape Rebate is sponsored by a partnership of the Inland Empire Utilities Agency, the Cities of Chino, Chino Hills, Ontario and Upland, the Cucamonga Valley Water District, Monte Vista Water District, Fontana Water Company and San Antonio Water Company.

Eligibility

Customer Eligibility

1. Rebates are only available to residential customers of participating water agencies within IEUA's service area (see list of retailers above to check if you qualify).
2. Areas to be converted must be lawn.
3. At least 400 square feet of lawn must be converted. Smaller projects may be accepted if they completely eliminate the front or back lawn of a single-family home.
4. Conversions must comply with any governmental code, law or policy relating to landscape design standards. To ensure compliance please contact your city code enforcement officer.

IMPORTANT: You must participate in a pre-conversion site visit before removing your lawn.

Starting without approval will make your conversion ineligible for the rebate.

Requirements for the Converted Landscapes

Plantings

At completion, converted areas may be planted with anything BUT turf. You are encouraged to use California Friendly® drought tolerant plants (see www.bewaterwise.com for plant lists and ideas for your landscape!)

Surface Treatments

Converted areas must remain permeable to air and water. Surface treatments such as mulches of rock, gravel, bark, and ungrouted stepping stones are recommended. If a weed barrier is used, it must be manufactured to be permeable to air and water. Concrete or other impermeable treatments do not qualify.

Irrigation

Existing irrigation systems and schedules should be modified to efficiently irrigate the new water-wise landscape. Efficient irrigation systems, such as drip, micro-sprays, and rotating nozzles are encouraged. In many cases, additional rebates are also available for a variety of irrigation upgrades—visit www.ieua.org or your local water provider for rebate applications and information.

Terms of the Rebate

IEUA's Assurance

This agreement expires in six calendar months. The six-month term begins the day after IEUA approves the agreement and ends at 5 p.m. on the first business day after six calendar months have elapsed. Once you notify IEUA of the site's completion, any delay for a final inspection is not counted against your six-month term. Only one payment may be received under this agreement; future conversions require a new application.

Incentive amounts and limits

A minimum of 400 square feet of qualifying area per property, per owner, will be rebated at \$2.00 per square foot, not to exceed \$2,000. IEUA may reject or limit applications based upon the availability of funds. Checks are issued only to the property owner or owner's legally-appointed agent.

Final Inspection

After notification of the project's completion, a program representative will conduct an inspection to verify program compliance. If the conversion fails inspection, you will be allowed 60 days or the remainder of the six-month period, whichever is greater, to fully comply with the program conditions.

Requirement to sustain the conversion

The converted area must remain in compliance with all program conditions for a period of 5 years. This requirement is void upon transfer of ownership. You may be required to refund some or the entire rebate if this requirement is violated.

Other responsibilities of the applicant

IEUA enforces only the conditions of this agreement. The applicant is responsible for complying with all laws, policies, codes and covenants that may apply. Quality and appearance of the conversion is the responsibility of the applicant. By participating in this program you agree to allow your water agency to track your water use and conduct post site inspections for the duration of the five year period. Rebates may be considered taxable income.

Rebate Amounts

400 square foot Minimum \$2.00 per sq. ft. \$2,000 Maximum

Program Application and Forms

Water-Wise Residential Landscape Program Application and Agreement



PLEASE PRINT:

| | |
|--|--|
| Property Owner: | |
| Contact Person (if not owner): | |
| Telephone Number(s): | |
| Estimated square footage of conversion: | |
| Do you intend to install synthetic turf? If yes, please estimate square footage. | |
| Mailing Address: | |
| Address of site to be converted (if differs from mailing address) | |

SELECT YOUR RETAIL WATER AGENCY (Enclose a copy of your Water Bill)

- | | | |
|--|---|--|
| <input type="checkbox"/> City of Chino | <input type="checkbox"/> City of Chino Hills | <input type="checkbox"/> Fontana Water Company |
| <input type="checkbox"/> Cucamonga Valley Water District | <input type="checkbox"/> Monle Vista Water District | <input type="checkbox"/> City of Ontario |
| <input type="checkbox"/> San Antonio Water Company | <input type="checkbox"/> City of Upland | |

INSTRUCTIONS

1. Read the agreement on the second page of this form for program details.
2. Submit your original completed and signed application along with photographs of the area you plan to convert. Make and keep a copy for your records.
3. A representative from your retail water agency will contact you to verify site qualifications and set up a pre-conversion site visit.
4. Upon completion of site conversion (within 6 months) contact your retail water agency representative for a final inspection. (extensions may be awarded at your water agency representative's discretion)
5. After verification, you will receive a check from IEUA for \$2 per square foot of turf removed up to \$2,000 limit per address.

IMPORTANT: You must participate in a pre-conversion site visit *before* removing your lawn. Starting without approval will make your conversion ineligible.

I have read and understand the Inland Empire Utilities Agency's program policy requirements as stated in this application. I further understand that I must be the property owner or the owner's legally-appointed representative in order to claim any funds. I agree to participate in a free, post-site water evaluation if contacted by my retail water provider or their designee. Furthermore, I agree to allow my retail water agency to track the property's water use and conduct post site inspections for the duration of the five year period. Any claims about defects or performance of the selected landscape materials will be between me and the manufacturer/distributor of the product. My retail water agency specifically disclaims any representations or warranties about any landscaping products, whether expressed or implied.

Please sign at the bottom, initial the second page, include attachments, and mail to:

Water-Wise Residential Landscape Program
P.O. Box 9020
Chino Hills, CA 91709

4. YOUR SIGNATURE (Required)

I certify that I am the property owner or the owner's legally-appointed representative. I understand and agree to the program conditions on the second page of this form.

| | |
|-----------------------|------------|
| Applicant's Signature | Print Name |
| Date | |

PROGRAM USE ONLY- This property's eligibility to participate has been verified and the agreement is approved

| | |
|--|---------------------------|
| Retail Water Agency Representative Signature | Print Name |
| Date | Completion period expires |

- Did you include?**
- | | | | |
|---|---|--|--|
| <input type="checkbox"/> Copy of Water Bill | <input type="checkbox"/> Authorized Signature | <input type="checkbox"/> Photographs of site | <input type="checkbox"/> Completed W9 form (see p.3-6) |
| <input type="checkbox"/> Initials on page 2 | | | |

The Water-Wise Residential Landscape Program is sponsored by a partnership of the Inland Empire Utilities Agency, the Cities of Chino, Chino Hills, Ontario and Upland, Cucamonga Valley Water District, Monte Vista Water District, Fontana Water Company and San Antonio Water Company.

Eligibility

Customer Eligibility

1. Funds are only available to single family residential customers of participating retail water agencies within IEUA's service area (see list of retailers above to check if you qualify).
2. Areas to be converted must be lawn.
3. At least 400 square feet of lawn must be converted. Smaller projects may be accepted on a case by case basis or if they completely eliminate the front or back yard of a single-family home.
4. Conversions must comply with any governmental code, law or policy relating to landscape design standards. To ensure compliance please contact your city code enforcement officer.

IMPORTANT: You must participate in a pre-conversion site visit before removing your lawn.

Starting without approval will make your conversion ineligible for this program.

Requirements for the Converted Landscapes

Plantings

At completion, converted areas may be planted with anything BUT turf. You are encouraged to use California Friendly® drought tolerant plants (see www.bewaterwise.com for plant lists and ideas for your landscape conversion)

Surface Treatments

Converted areas must remain permeable to air and water. Surface treatments such as mulches of rock, gravel, bark, and ungrouted stepping stones are recommended. If a weed barrier is used, it must be manufactured to be permeable to air and water. Concrete, plastic sheeting, or other impermeable treatments do not qualify.

Irrigation

Existing irrigation systems and schedules should be modified to efficiently irrigate the new water-wise landscape. Efficient irrigation systems, such as drip, micro-sprays, and rotating nozzles are encouraged. In many cases, additional rebates are also available for a variety of irrigation upgrades—visit www.ieua.org or your local water agency for rebate applications and information.

Terms of the Program

IEUA's Assurance

This agreement expires in six calendar months. The six-month term begins the day after a site inspector from your retail water agency approves the agreement and ends at 5 p.m. on the first business day after six calendar months have elapsed. Once you notify your retail water agency of the site's completion, any delay for a final inspection is not counted as part of the six-month term (extensions may be awarded at the inspector's discretion). Only one payment will be issued under this agreement; additional conversions will require a new application. A maximum of \$2,000 will be paid per address.

Incentive amounts and limits

A minimum of 400 square feet of qualifying area per property, per owner, will be funded at \$2.00 per square foot, not to exceed \$2,000 per address. IEUA may reject or limit applications based upon the availability of funds. Checks are issued only to the property owner or owner's legally-appointed agent.

Final Inspection

After notification of the project's completion, a program representative will conduct an inspection to verify program compliance. If the conversion fails inspection, you will be allowed 60 days or the remainder of the six-month period, whichever is greater, to fully comply with the program conditions.

Requirement to sustain the conversion

The converted area must remain in compliance with all program conditions for a period of 5 years. If this requirement is violated you may be required to refund all or a portion of the program payment. The agreement is void upon transfer of ownership.

Other responsibilities of the applicant

IEUA enforces only the conditions of the Water-Wise Residential Landscape Program agreement. The applicant is responsible for complying with all laws, policies, codes and covenants that may apply. Quality and appearance of the conversion is the responsibility of the applicant. By participating in this program you agree to allow your retail water agency to track your water use and conduct post site inspections for the duration of the five year period. Funds may be considered taxable income and it is required that the included W9 form be completed prior to receiving funding. This program may be combined with other rebates; however, if combined with Synthetic Turf Rebate, the Synthetic Turf Rebate is limited to 30¢ per square foot. The Inland Empire Utilities Agency reserves the right to alter the requirements or cancel this program at any time without prior notice. Contact your local retailer for details.

Please Initial _____

Water-Wise Residential Landscape Program Amount
400 square foot Minimum \$2.00 per sq. ft. \$2,000 Maximum per address

Water-Wise Residential Landscape Program

Post-Site Inspection

PLEASE PRINT:

| | |
|--------------------------------------|--|
| Site Inspector | |
| Inspector Phone Number | |
| Date of Inspection | |
| Final square footage of turf removed | |

- Has all turf been removed from designated area? Yes No
- Does the site have an impermeable weed barrier? Yes No
- Is there impermeable hardscape on the site? Yes No

In Summary of the questions above, does the site qualify for the rebate? Yes No

If "Yes":

- Please sign the bottom of the page.
- Complete the "Notice of Approval" form and leave the "Notice of Approval" form at the residence. The payment has been authorized and will be processed.

If "No":

- Please provide an explanation in the space below about why the site does not qualify.
- Fill out the "Notice of Extension to Comply with Program Requirements" form.
- Leave the "Notice of Extension to Comply with Program Requirements" form for the homeowner.

Is there synthetic turf on the site? (informational, does not affect qualification) Yes No

I hereby certify that the site is in compliance with the Program Requirements and Terms. This property is approved for payment for the square footage listed above.

Program Representative Signature _____ Print Name _____

Date _____

Please be advised that inspections are subject to verification/audit by IEUA.

- Did you remember to:**
- take photographs of the site
 - leave Approval/Correction & Extension form for homeowner
 - sign the form or provide an explanation in the space above

Program Summary Chart

Program Results

Program Summary Chart:

-Total Program Overview-
 Total Number of Conversions: **136**
 Total Amount of Turf Removed: **182,446 Sq. Ft.**
 Total Potential Water Saved: **25.5 AF per year**
 Estimated Actual Water Savings: **25 AF per year**
 Total Amount Awarded: **\$240,620**
 Total Amount of Synthetic Turf Installed: **28,320 Sq. Ft.**

| | Chino | Chino Hills | CVWD | FWC | MVWD | Ontario | SAWC | Upland |
|-----------------------------------|---------|-------------|----------|---------|----------|----------|---------|----------|
| Total Application Submissions | 6 | 21 | 58 | 5 | 14 | 16 | 3 | 31 |
| Total Completed Conversions | 4 | 17 | 55 | 4 | 11 | 14 | 3 | 28 |
| Total Participants Removed | 2 | 4 | 3 | 1 | 3 | 2 | 0 | 3 |
| Total Turf Removed (Sq. Ft.) | 5,966 | 17,403 | 73,737 | 4,905 | 17,328 | 17,673 | 3,750 | 41,684 |
| Total Water Saved (Acre-Feet) | 0.84 | 2.4 | 10.3 | 0.69 | 2.4 | 2.5 | 0.53 | 5.8 |
| Estimated Turf Removed (Sq. Ft.) | 5,971 | 16,191 | 75,413 | 4,628 | 18,145 | 18,107 | 3,750 | 31,910 |
| Estimated Water Saved (Acre-Feet) | 0.84 | 2.3 | 11 | 0.65 | 2 | 3 | 0.53 | 4 |
| Total Amount Awarded | \$7,300 | \$25,542 | \$99,086 | \$6,800 | \$19,376 | \$25,364 | \$6,000 | \$51,152 |
| "Models of Success" | 2 | 4 | 18 | 3 | 6 | 7 | 2 | 19 |
| "Alternative Landscapes" | 0 | 2 | 11 | 0 | 2 | 3 | 1 | 4 |
| "Made the Grade" | 2 | 11 | 26 | 1 | 3 | 4 | 0 | 5 |

-Classification System-

"Models of Success" - Landscapes that contain a high percentage of plant coverage or a mixture of a high percentage of plant coverage with some permeable materials in the landscape design.

"Alternative Landscape" - Landscapes that contain a high percentage of other plants (non-native plants) or has a low percentage of CA Friendly plant coverage.

"Made the Grade" - Landscapes that contain a high percentage of permeable paving surfaces with minimal plant coverage, neither "CA Friendly plants" nor "other plants".

Completed Site Evaluations



City of Chino



| CHINO | |
|-----------------------------------|---------|
| Total Application Submissions | 6 |
| Total Completed Conversions | 4 |
| Total Participants Removed | 2 |
| Total Turf Removed (Sq. Ft.) | 5,966 |
| Total Water Saved (Acre-Feet) | 0.84 |
| Estimated Turf Removed (Sq. Ft.) | 5,971 |
| Estimated Water Saved (Acre-Feet) | 0.84 |
| Total Amount Awarded | \$7,300 |
| "Models of Success" | 2 |
| "Alternative Landscapes" | 0 |
| "Made the Grade" | 2 |



City of Chino: "Models of Success"

Street Name: 17th St.
City: Chino
Turf Removed: 1,221 Sq. Ft.
Water Saved: 0.17 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional
Total Cost of the Project: \$6,000



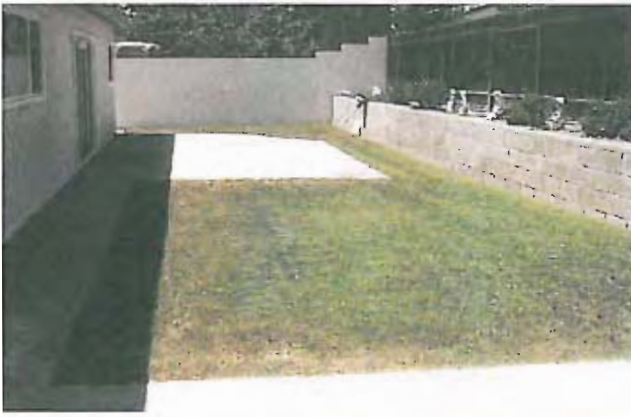
Street Name: Preciado Ave.
City: Chino
Turf Removed: 2,600 Sq. Ft.
Water Saved: 0.36 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional



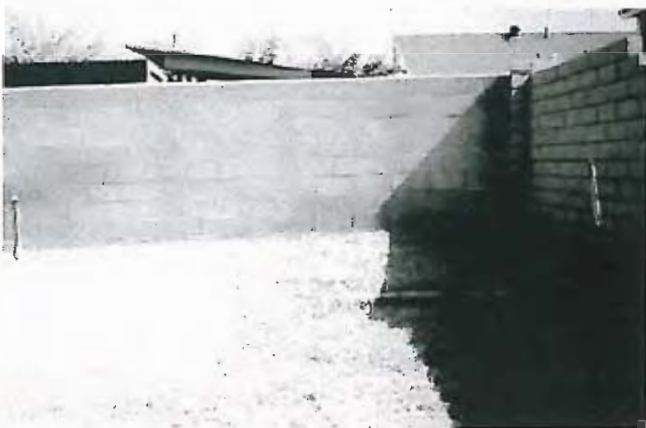


City of Chino: "Made the Grade"

Street Name: Roosevelt St.
City: Chino
Turf Removed: 650 Sq. Ft.
Water Saved: 0.091 AF
Amount Awarded: \$1,300
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: Manuel Ct.
City: Chino
Turf Removed: 1,495 Sq. Ft.
Water Saved: 0.21 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete





City of Chino Hills



| CHINO HILLS | |
|-----------------------------------|----------|
| Total Application Submissions | 21 |
| Total Completed Conversions | 17 |
| Total Participants Removed | 4 |
| Total Turf Removed (Sq. Ft.) | 17,403 |
| Total Water Saved (Acre-Feet) | 2.4 |
| Estimated Turf Removed (Sq. Ft.) | 16,191 |
| Estimated Water Saved (Acre-Feet) | 2.3 |
| Total Amount Awarded | \$25,542 |
| "Models of Success" | 4 |
| "Alternative Landscapes" | 2 |
| "Made the Grade" | 11 |



City of Chino Hills: "Models of Success"

Street Name: Country Club Dr.
City: Chino Hills
Turf Removed: 1,345 Sq. Ft.
Water Saved: 0.19 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Street Name: Valley Springs Rd.
City: Chino Hills
Turf Removed: 1,539 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$4,000





City of Chino Hills: "Models of Success" Cont.

Street Name: Hay Dr.
City: Chino Hills
Turf Removed: 906 Sq. Ft.
Water Saved: 0.13 AF
Amount Awarded: \$1,812
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Street Name: Ernine Dr.
City: Chino Hills
Turf Removed: 440 Sq. Ft.
Water Saved: 0.06 AF
Amount Awarded: \$880
Materials Used: CA Friendly Plants
State of the Landscape: Complete





City of Chino Hills: "Alternative Landscapes"

Street Name: Seven Oaks
City: Chino Hills
Turf Removed: 450 Sq. Ft.
Water Saved: 0.06 AF
Amount Awarded: \$900
Materials Used: Other Plants
State of the Landscape: Complete
Total Cost of the Project: \$15,000



Street Address: Tovar Way
City: Chino Hills
Turf Removed: 600 Sq. Ft.
Water Saved: 0.08 AF
Amount Awarded: \$1,200
Materials Used: Mixed Materials
State of the Landscape: Complete





City of Chino Hills: "Made the Grade"

Street Address: Wandering Ridge Dr.
City: Chino Hills
Turf Removed: 552 Sq. Ft.
Water Saved: 0.08 AF
Amount Awarded: \$1,104
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: Eucalyptus Ave.
City: Chino Hills
Turf Removed: 1,536 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete
Total Cost of the Project: \$20,122





City of Chino Hills: "Made the Grade" Cont.

Street Name: Eucalyptus Ave.
City: Chino Hills
Turf Removed: 1,218 Sq. Ft.
Water Saved: 0.17 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete
Total Cost of the Project: \$13,000



Street Name: Deerhaven Dr.
City: Chino Hills
Turf Removed: 1,275 Sq. Ft.
Water Saved: 0.18 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete





City of Chino Hills: "Made the Grade" Cont.

Street Name: Rancho Hills Dr.
City: Chino Hills
Turf Removed: 492 Sq. Ft.
Water Saved: 0.069 AF
Amount Awarded: \$984
Materials Used: Pavers
State of the landscape: Complete



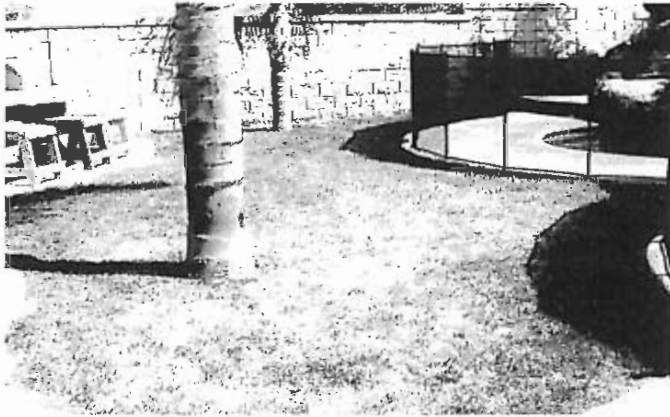
Street Name: Teak Lane
City: Chino Hills
Turf Removed: 502 Sq. Ft.
Water Saved: 0.07 AF
Amount Awarded: \$1,004
Materials Used: Synthetic Turf
State of the Landscape: Complete





City of Chino Hills: "Made the Grade" Cont.

Street Name: Torrey Pines Dr.
City: Chino Hills
Turf Removed: 1,134 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: Newbriar Way
City: Chino Hills
Turf Removed: 829 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded: \$1,658
Materials Used: Pavers
State of the Landscape: Complete





City of Chino Hills: "Made the Grade" Cont.

Street Name: Payne Ranch Rd.
City: Chino Hills
Turf Removed: 3,000 Sq. Ft.
Water Saved: 0.42 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete
Total Cost of the Project: \$14,500



Street Name: Milgrove Way
City: Chino Hills
Turf Removed: 738 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,476
Materials Used: Synthetic Turf
State of the Landscape: Complete
Total Cost of the Project: \$4,500





City of Chino Hills: "Made the Grade" Cont.

Street Name: Milgrove Way
City: Chino Hills
Turf Removed: 847 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded: \$1,694
Materials Used: Synthetic Turf
State of the Landscape: Complete





Cucamonga Valley Water District



| CUCAMONGA VALLEY WATER DISTRICT | |
|--|----------|
| Total Application Submissions | 58 |
| Total Completed Conversions | 55 |
| Total Participants Removed | 3 |
| Total Turf Removed (Sq. Ft.) | 73,737 |
| Total Water Saved (Acre-Feet) | 10.3 |
| Estimated Turf Removed (Sq. Ft.) | 75,413 |
| Estimated Water Saved (Acre-Feet) | 11.0 |
| Total Amount Awarded | \$99,086 |
| "Models of Success" | 18 |
| "Alternative Landscapes" | 11 |
| "Made the Grade" | 26 |

Cucamonga Valley Water District: “Models of Success”

Street Name: Hidden Farm Rd.

City: Alta Loma

Turf Removed: 1,060 Sq. Ft.

Water Saved: 0.15 AF

Amount Awarded: \$2,000

Materials Used: CA Friendly Plants

State of the Landscape: Complete

Total Cost of the Project: \$3,000



Street Name: Carrari Way

City: Alta Loma

Turf Removed: 2,133 Sq. Ft.

Water Saved: 0.30 AF

Amount Awarded: \$2,000

Materials Used: Mixed Materials

State of the Landscape: Transitional

Total Cost of the Project: \$3,850



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: Flagstone Pl.
City: Etiwanda
Turf Removed: 1,500 Sq. Ft.
Water Saved: 0.21 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Complete



Street Name: Boston Ct.
City: Fontana
Turf Removed: 2,100 Sq. Ft.
Water Saved: 0.29 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: Ashton Pl.
City: Etiwanda
Turf removed: 1,527 Sq. Ft.
Water Saved: 0.21 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Street Name: Santolina Pl.
City: Rancho Cucamonga
Turf Removed: 1,557 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: Mt. Wallace Ct.
City: Alta Loma
Turf Removed: 655 Sq. Ft.
Water Saved: 0.092 AF
Amount Awarded: \$1,310
Materials Used: Mixed Materials
State of the Landscape: Transitional



Street Name: Malachite Ave.
City: Rancho Cucamonga
Turf Removed: 1,068 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Complete
Total Cost of the Project: \$2,000



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: Gardenia Ave.
City: Alta Loma
Turf Removed: 3,020 Sq. Ft.
Water Saved: 0.42 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$9,000



Street Name: Cornwall Ave.
City: Etiwanda
Turf Removed: 1,221 Sq. Ft.
Water Saved: 0.17 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: Banyan St.
City: Alta Loma
Turf Removed: 1,791 Sq. Ft.
Water Saved: 0.25 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Street Name: Hellman Ave.
City: Alta Loma
Turf Removed: 2,652 Sq. Ft.
Water Saved: 0.37 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: Countryview Dr.
City: Rancho Cucamonga
Turf Removed: 722 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,444
Materials Used: Mixed Materials
State of the Landscape: Complete



Street Name: 19th St.
City: Alta Loma
Turf Removed: 1,578 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Transitional



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: E. Mulberry Ct.
City: Ontario
Turf Removed: 975 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$1,950
Materials Used: Mixed Materials
State of the Landscape: Complete



Street Name: Camellia Ct.
City: Alta Loma
Turf Removed: 2,486 Sq. Ft.
Water Saved: 0.35 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Transitional
Total Cost of the Project: \$3,000



Cucamonga Valley Water District: "Models of Success" Cont.

Street Name: Amberwood Dr.
City: Alta Loma
Turf Removed: 1,913 Sq. Ft.
Water Saved: 0.27 AF
Amount Awarded: \$2,000
Materials Used: Gravel
State of the Landscape: Complete



Street Name: Tapia Via Dr.
City: Rancho Cucamonga
Turf Removed: 841 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded: \$1,682
Materials Used: Mixed Materials
State of the Landscape: Transitional



Cucamonga Valley Water District: "Alternative Landscapes"

Street Name: Cimarron Ct.
City: Rancho Cucamonga
Turf Removed: 3,346 Sq. Ft.
Water Saved: 0.47 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete
Total Cost of the Project: \$35,000



Street Name: El Burn Ct.
City: Alta Loma
Turf Removed: 697 Sq. Ft.
Water Saved: 0.098 AF
Amount Awarded: \$1,394
Materials Used: Mixed Materials
State of the Landscape: Transitional



Cucamonga Valley Water District: "Alternative Landscapes"

Street Name: Alta Loma Dr.
City: Rancho Cucamonga
Turf Removed: 729 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,458
Materials Used: Other Plants
State of the Landscape: Transitional



Street Name: Mt. Lassen Ct.
City: Rancho Cucamonga
Turf Removed: 832 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded: \$1,664
Materials Used: Mixed Materials
State of the Landscape: Complete



Cucamonga Valley Water District: "Alternative Landscapes"

Street Name: Garden St.
City: Rancho Cucamonga
Turf Removed: 1,294 Sq. Ft.
Water Saved: 0.18 AF
Amount Awarded: \$2,000
Materials Used: Other plants
State of the Landscape: Transitional



Street Name: Boston Ct.
City: Fontana
Turf Removed: 1,019 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the landscape: Complete



Cucamonga Valley Water District: "Alternative Landscapes"

Street Name: Genova Rd.
City: Alta Loma
Turf Removed: 435 Sq. Ft.
Water Saved: 0.061 AF
Amount Awarded: \$870
Materials Used: Mixed Materials
State of the Landscape: Transitional

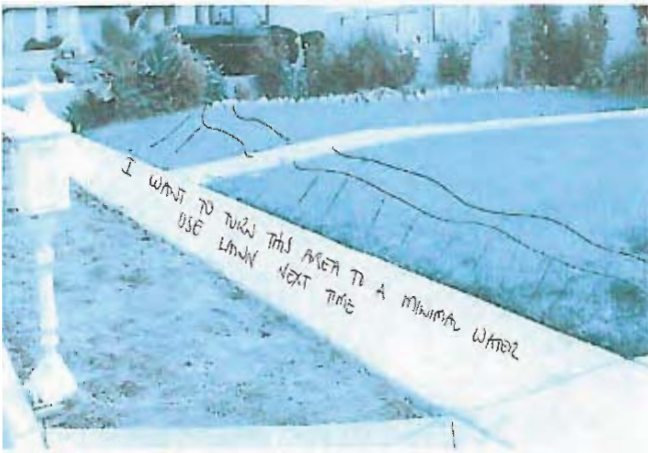


Street Name: Larrera St.
City: Rancho Cucamonga
Turf Removed: 1,046 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete



Cucamonga Valley Water District: "Alternative Landscapes"

Street Name: Ramon Ave.
City: Rancho Cucamonga
Turf Removed: 582 Sq. Ft.
Water Saved: 0.08 AF
Amount Awarded: \$1,164
Materials Used: Other Plants
State of the Landscape: Transitional



Street Name: 13351 Windygrove Dr.
City: Rancho Cucamonga
Turf Removed: 2,385 Sq. Ft.
Water Saved: 0.33 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional



Cucamonga Valley Water District: "Alternative Landscapes"

Street Name: Nevada Ct.
City: Alta Loma
Turf Removed: 478 Sq. Ft.
Water Saved: 0.07 AF
Amount Awarded: \$956
Materials Used: Other Plants
State of the Landscape: Transitional



Cucamonga Valley Water District: "Made the Grade"

Street Name: Briartree Pl.
City: Alta Loma
Turf Removed: 1,300 Sq. Ft.
Water Saved: 0.18 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: 18th St.
City: Alta Loma
Turf Removed: 1,621 Sq. Ft.
Water Saved: 0.23 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Smokey Mtn. Pl.

City: Alta Loma

Turf Removed: 1,624 Sq. Ft.

Water Saved: 0.23 AF

Amount Awarded: \$2,000

Materials Used: Soil

State of the Landscape: Complete

Total Cost of the Project: \$2,000



Street Name: Carrari Ct.

City: Rancho Cucamonga

Turf Removed: 1,855 Sq. Ft.

Turf Removed: 0.26 AF

Amount Awarded: \$2,000

Materials Used: Mulch

State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Arapaho Rd.
City: Etiwanda
Turf Removed: 2,447 Sq. Ft.
Water Saved: 0.34 AF
Amount Awarded: \$2,000
Materials Used: Soil
State of the Landscape: Transitional



Street Name: Topaz St.
City: Alta Loma
Turf Removed: 1,102 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Decomposed Granite
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Arapaho Rd.
City: Rancho Cucamonga
Turf Removed: 2,243 Sq. Ft.
Water Saved: 0.31 AF
Amount Awarded: \$2,000
Materials Used: Soil
State of the landscape: Transitional



Street Name: Violet Ct.
City: Rancho Cucamonga
Turf Removed: 745 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,490
Materials Used: Gravel
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Hillside Rd.
City: Alta Loma
Turf Removed: 1,012 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$2,000
Materials Used: Soil
State of the landscape: Transitional



Street Name: Church St.
City: Rancho Cucamonga
Turf Removed: 924 Sq. Ft.
Water Saved: 0.13
Amount Awarded: \$1,848
Materials Used: Mulch
State of the landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Alta Loma Dr.
City: Rancho Cucamonga
Turf Removed: 1,171 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Gravel
State of the Landscape: Complete



Street Name: Buttercup Way
City: Rancho Cucamonga
Turf Removed: 1,168 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Gravel
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Barsac Pl.
City: Alta Loma
Turf Removed: 1,177 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the landscape: Complete



Street Name: Vista St.
City: Etiwanda
Turf Removed: 1,165 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Dirt
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Mt. Wilson Ct.
City: Alta Loma
Turf Removed: 920 Sq. Ft.
Water Saved: 0.13 AF
Amount Awarded: \$1,840
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: Mt. Baldwin Ct.
City: Alta Loma
Turf Removed: 520 Sq. Ft.
Water Saved: 0.07 AF
Amount Awarded: \$1,040
Material Used: Synthetic Turf
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Belpine Pl.
City: Rancho Cucamonga
Turf Removed: 500 Sq. Ft.
Water Saved: 0.07 AF
Amount Awarded: \$1,000
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: Trotters Lane
City: Alta Loma
Turf Removed: 1,067 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Mulch
State of the Landscape: Complete
Total Cost of the Project: \$2,500



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Balsa
City: Rancho Cucamonga
Turf Removed: 1,559 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: Gravel
State of the Landscape: Complete



Street Name: Daybreak Pl.
City: Rancho Cucamonga
Turf Removed: 1,157 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Sunstone Ave.
City: Alta Loma
Turf Removed: 830 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded: \$1,660
Materials Used: Synthetic Turf
State of the Landscape: Complete

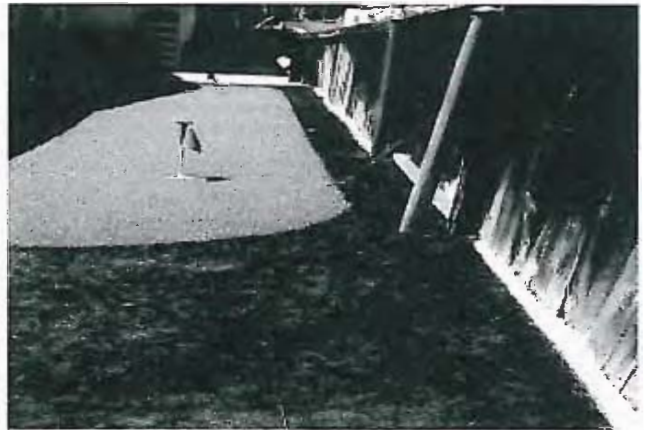


Street Name: Hermosa Ave.
City: Rancho Cucamonga
Turf Removed: 1,650 Sq. Ft.
Water Saved: 0.23 AF
Amount Awarded: \$2,000
Materials Used: Mulch
State of the Landscape: Complete



Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: Arcata St.
City: Fontana
Turf Removed: 411 Sq. Ft.
Water Saved: 0.06 AF
Amount Awarded: \$822
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: Boston Court
City: Fontana
Turf Removed: 1,515 Sq. Ft.
Water Saved: 0.21 AF
Amount Awarded: \$2,000
Materials Used: Gravel
State of the Landscape: Complete
Total Cost of the Project: \$3,500

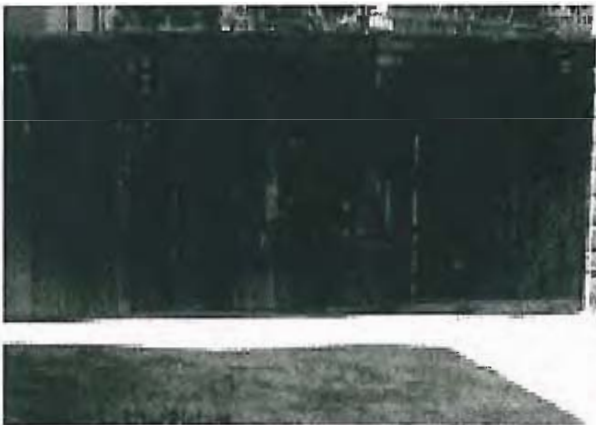


Cucamonga Valley Water District: "Made the Grade" Cont.

Street Name: E Princeton St.
City: Ontario
Turf Removed: 1,665 Sq. Ft.
Water Saved: 0.23 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional



Street Name: Woodward Ct.
City: Rancho Cucamonga
Turf Removed: 747 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,494
Materials Used: Pavers
State of the Landscape: Complete





Fontana Water Company



| FONTANA WATER COMPANY | |
|-----------------------------------|---------|
| Total Application Submissions | 5 |
| Total Completed Conversions | 4 |
| Total Participants Removed | 1 |
| Total Turf Removed (Sq. Ft.) | 4,905 |
| Total Water Saved (Acre-Feet) | 0.69 |
| Estimated Turf Removed (Sq. Ft.) | 4,628 |
| Estimated Water Saved (Acre-Feet) | 0.65 |
| Total Amount Awarded | \$6,800 |
| "Models of Success" | 3 |
| "Alternative Landscapes" | 0 |
| "Made the Grade" | 1 |



Fontana Water Company: "Models of Success"

Street Name: Withers Ave
City: Fontana
Turf Removed: 2,184 Sq. Ft.
Water Saved: 0.31 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Complete



Street Name: Oleander Ave.
City: Fontana
Turf Removed: 1,216 Sq. Ft.
Water Saved: 0.17 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional
Cost of the Project: over \$1,000





Fontana Water Company: "Models of Success" Cont.

Street Name: Oklahoma Ave.
City: Fontana
Turf Removed: 400 Sq. Ft.
Water Saved: 0.06 AF
Amount Awarded: \$800
Materials Used: CA Friendly Plants
State of the Landscape: Complete





Fontana Water Company: "Made the Grade"

Street Name: New Foal Trail
City: Fontana
Turf Removed: 1,105 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete





Monte Vista Water District



| MONTA VISTA WATER DISTRICT | |
|-----------------------------------|----------|
| Total Application Submissions | 14 |
| Total Completed Conversions | 11 |
| Total Participants Removed | 3 |
| Total Turf Removed (Sq. Ft.) | 17,328 |
| Total Water Saved (Acre-Feet) | 2.4 |
| Estimated Turf Removed (Sq. Ft.) | 18,145 |
| Estimated Water Saved (Acre-Feet) | 2.0 |
| Total Amount Awarded | \$19,376 |
| "Models of Success" | 6 |
| "Alternative Landscapes" | 2 |
| "Made the Grade" | 3 |



Monte Vista Water District: "Models of Success"

Street Name: Howard St.
City: Montclair
Turf Removed: 858 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded \$1,716
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$3,000



Street Name: Vernon Ave
City: Chino
Turf Removed: 4,292 Sq. Ft.
Water Saved: 0.60 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete





Monte Vista Water District: "Models of Success" Cont.

Street Name: Francis Ave.
City: Chino
Turf Removed: 1,652 Sq. Ft.
Water Saved: 0.23 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete



Street Name: E. Grand Ave.
City: Pomona
Turf Removed: 1,397 Sq. Ft.
Water Saved: 0.20 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Transitional





Monte Vista Water District: "Models of Success" Cont.

Street Name: Chino Ave.
City: Chino
Turf removed: 2,632 Sq. Ft.
Water Saved: 0.37 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Complete



Street Name: Elm St.
City: Chino
Turf Removed: 1,760 Sq. Ft.
Water Saved: 0.25 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional





Monte Vista Water District: "Alternative Landscapes"

Street Name: Carriage
City: Montclair
Turf Removed: 1,407 Sq. Ft.
Water Saved: 0.20 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Transitional



Street Name: Ramona Ave.
City: Chino
Turf Removed: 1,500 Sq. Ft.
Water Saved: 0.21 AF
Amount Awarded: \$2,000
Materials Used: Gravel
State of the Landscape: Complete
Total Cost of the landscape: \$3,000





Monte Vista Water District: "Made the Grade"

Street Name: San Clemente Way
City: Montclair
Turf Removed: 270 Sq. Ft.
Water Saved: 0.04 AF
Amount Awarded: \$540
Materials Used: Synthetic Turf
State of the Landscape: Complete
Cost of the Project: \$4,000



Street Name: Caroline
City: Montclair
Turf Removed: 1,000 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$2,000
Materials Used: Dirt
State of the Landscape: Complete





Monte Vista Water District: "Made the Grade"

Street Name: Roswell Ave.
City: Chino
Turf Removed: 560 Sq. Ft.
Water Saved: 0.08 AF
Amount Awarded: \$1,120
Materials Used: Decomposed Granite
State of the Landscape: Complete





City of Ontario



| CITY OF ONTARIO | |
|-----------------------------------|----------|
| Total Application Submissions | 16 |
| Total Completed Conversions | 14 |
| Total Participants Removed | 2 |
| Total Turf Removed (Sq. Ft.) | 17,673 |
| Total Water Saved (Acre-Feet) | 2.5 |
| Estimated Turf Removed (Sq. Ft.) | 18,107 |
| Estimated Water Saved (Acre-Feet) | 3.0 |
| Total Amount Awarded | \$25,364 |
| "Models of Success" | 7 |
| "Alternative Landscapes" | 3 |
| "Made the Grade" | 4 |



City of Ontario: "Models of Success"

Street Name: S. Plainfield Dr.
City: Ontario
Turf Removed: 1,135 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Transitional



Street Name: Pony Dr.
City: Ontario
Turf Removed: 1,294 Sq. Ft.
Water Saved: 0.18 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete





City of Ontario: "Models of Success" Cont.

Street Name: W. "I" Street
City: Ontario
Turf Removed: 1,290 Sq. Ft.
Water Saved: 0.18 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional
Total Cost of the Project: \$1,300



Street Name: S. Mildred Pl.
City: Ontario
Turf Removed: 2,260 Sq. Ft.
Water Saved: 0.32 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Transitional





City of Ontario: "Models of Success" Cont.

Street Name: W. Berkeley Ct.
City: Ontario
Turf Removed: 1,154 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Transitional



Street Name: W. Deodar St.
City: Ontario
Turf Removed: 550 Sq. Ft.
Water Saved: 0.08 AF
Amount Awarded: \$1,100
Materials Used: CA Friendly Plants
State of Landscape: Transitional





City of Ontario: "Models of Success" Cont.

Street Name: E. Harvard Pl.
City: Ontario
Turf Removed: 1,596 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$4,500





City of Ontario: "Alternative Landscapes"

Street Name: W. "J" Street
City: Ontario
Turf Removed: 992 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$1,984
Materials Used: Other Plants
State of Landscape: Transitional
Cost of the Project: \$850



Street Name: N. Orange Ave.
City: Ontario
Turf Removed: 1,077 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of Landscape: Transitional





City of Ontario: "Alternative Landscapes" Cont.

Street Name: E. Willow St.
City: Ontario
Turf Removed: 1,120 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of Landscape: Transitional





City of Ontario: "Made the Grade"

Street Name: N. Madera Privado
City: Ontario
Turf Removed: 400 Sq. Ft.
Water Saved: 0.06 AF
Amount Awarded: \$800
Materials Used: Synthetic Turf
State of the Landscape: Complete
Total Cost of the Project: \$2,280



Street Name: E. Boxwood Ct.
City: Ontario
Turf Removed: 740 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,480
Materials Used: Synthetic Turf
State of the Landscape: Complete





City of Ontario: "Made the Grade" Cont.

Street Name: Mariposa Privado
City: Ontario
Turf Removed: 1,465 Sq. Ft.
Water Saved: 0.21 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete



Street Name: W. Flora St.
City: Ontario
Turf Removed: 2,600 Sq. Ft.
Water Saved: 0.36 AF
Amount Awarded: \$2,000
Materials Used: Gravel
State of Landscape: Complete
Total Cost of the Project: \$3,000





San Antonio Water Company



| SAN ANTONIO WATER COMPANY | |
|-----------------------------------|---------|
| Total Application Submissions | 3 |
| Total Completed Conversions | 3 |
| Total Participants Removed | 0 |
| Total Turf Removed (Sq. Ft.) | 3,750 |
| Total Water Saved (Acre-Feet) | 0.53 |
| Estimated Turf Removed (Sq. Ft.) | 3,750 |
| Estimated Water Saved (Acre-Feet) | 0.53 |
| Total Amount Awarded | \$6,000 |
| "Models of Success" | 2 |
| "Alternative Landscapes" | 1 |
| "Made the Grade" | 0 |



San Antonio Water Company: "Models of Success"

Street Name: Cliff Rd.
City: Upland
Turf Removed: 1,125 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Street Name: Ravina Circle
City: Upland
Turf Removed: 1,200 Sq. Ft.
Water Saved: 0.17 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete





San Antonio Water Company: "Alternative Landscapes"

Street Name: San Antonio Crescent East

City: Upland

Turf Removed: 1,425 Sq. Ft.

Water Saved: 0.20 AF

Amount Awarded: \$2,000

Materials Used: CA Friendly Plants

State of the Landscape: Complete

Total Cost of the Project: \$2,000





City of Upland

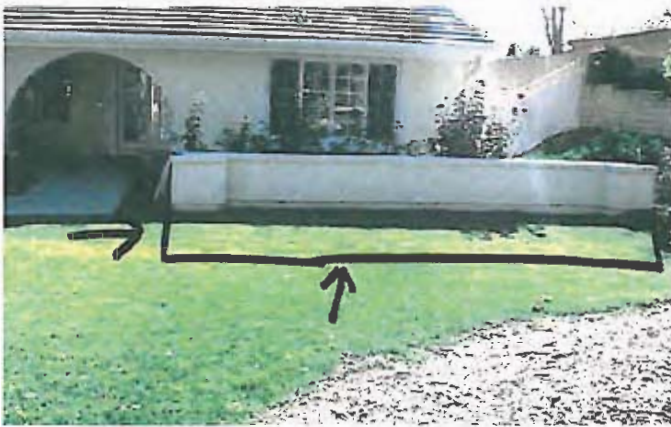


| CITY OF UPLAND | |
|-----------------------------------|----------|
| Total Application Submissions | 31 |
| Total Completed Conversions | 28 |
| Total Participants Removed | 3 |
| Total Turf Removed (Sq. Ft.) | 41,684 |
| Total Water Saved (Acre-Feet) | 5.8 |
| Estimated Turf Removed (Sq. Ft.) | 31,910 |
| Estimated Water Saved (Acre-Feet) | 4.0 |
| Total Amount Awarded | \$51,152 |
| "Models of Success" | 19 |
| "Alternative Landscapes" | 4 |
| "Made the Grade" | 5 |



City of Upland: "Models of Success"

Street Name: W. Buffington Street
City: Upland
Turf Removed: 3,350 Sq. Ft.
Water Saved: 0.47 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the landscape: Complete
Total Cost of the Project: over \$4,300



Street Name: W. 8th Street
City: Upland
Turf Removed: 1,827 Sq. Ft.
Water Saved: 0.26 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete
Total Cost of the Project: \$2,600





City of Upland: "Models of Success" Cont.

Street Name: N. Erin Ave
City: Upland
Turf Removed: 400 Sq. Ft.
Water Saved: 0.06 AF
Amount Awarded: \$800
Materials Used: Mixed Materials
State of the Landscape: Transitional
Total Cost of the Project: \$210



Street Name: Mulberry Ave
City: Upland
Turf Removed: 1,188 Sq. Ft.
Water Saved: 0.17 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$750





City of Upland: "Models of Success" Cont.

Street Name: Camphor Way
City: Upland
Turf Removed: 1,029 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$2,041



Street Name: N. 2nd Ave.
City: Upland
Turf Removed: 859 Sq. Ft.
Water Saved: 0.12 AF
Amount Awarded: \$1,718
Materials Used: CA Friendly Plants
State of the Landscape: Transitional
Total Cost of the Project: \$3,450





City of Upland: "Models of Success" Cont.

Street Name: N. Albright Ave
City: Upland
Turf Removed: 516 Sq. Ft.
Water Saved: 0.07 AF
Amount Awarded: \$1,032
Materials Used: CA Friendly Plants
State of the Landscape: Transitional
Total Cost of the Project: \$730



Street Name: W. Cumberland
City: Upland
Turf Removed: 2,128 Sq. Ft.
Water Saved: 0.30 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Transitional
Total Cost of the Project: \$9,000





City of Upland: "Models of Success" Cont.

Street Name: W. 19th St
City: Upland
Turf Removed: 1,594 Sq. Ft.
Water Saved: 0.22 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Complete



Street Name: Windemere Way
City: Upland
Turf Removed: 1,783 Sq. Ft.
Water Saved: 0.25 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$15,800





City of Upland: "Models of Success" Cont.

Street Name: Ukiah Way
City: Upland
Turf Removed: 3,312 Sq. Ft.
Water Saved: 0.46 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Street Name: W. Solano St.
City: Upland
Turf Removed: 1,723 Sq. Ft.
Water Saved: 0.24 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly
State of the Landscape: Transitional





City of Upland: "Models of Success" Cont.

Street Address: N. Euclid Ave.
City: Upland
Turf Removed: 598 Sq. Ft.
Water Saved: 0.08 AF
Amount Awarded: \$1,196
Materials Used: CA Friendly Plants
State of the Landscape: Complete



Street Name: East "F" St.
City: Upland
Turf Removed: 735 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,470
Materials Used: CA Friendly Plants
State of the Landscape: Transitional





City of Upland: "Models of Success" Cont.

Street Name: Van Ness Ave.
City: Upland
Turf Removed: 3,106 Sq. Ft.
Water Saved: 0.43 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Transitional



Street Name: Shane Ct.
City: Upland
Turf Removed: 1,316 Sq. Ft.
Water Saved: 0.18 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$2,400





City of Upland: "Models of Success" Cont.

Street Name: N. Ukiah Way
City: Upland
Turf Removed: 1,986 Sq. Ft.
Water Saved: 0.28 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Transitional



Street Name: N. 3rd Ave.
City: Upland
Turf Removed: 1,330 Sq. Ft.
Water Saved: 0.19 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Transitional





City of Upland: "Models of Success" Cont.

Street Name: N. 13th Ave.
City: Upland
Turf Removed: 2,278 Sq. Ft.
Water Saved: 0.32 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional





City of Upland: "Alternative Landscapes"

Street Name: Shamrock
City: Upland
Turf Removed: 728 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,456
Materials Used: Mixed Materials
State of the Landscape: Complete
Total Cost of the project: \$1,200



Street Name: Francis Ave.
City: Upland
Turf Removed: 970 Sq. Ft.
Water Saved: 0.14 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete





City of Upland: "Alternative Landscapes" Cont.

Street Name: Veterans Ct.
City: Upland
Turf Removed: 1,144 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: CA Friendly Plants
State of the Landscape: Complete
Total Cost of the Project: \$1,500



Street Name: Winn Dr.
City: Upland
Turf Removed: 1,702 Sq. Ft.
Water Saved: 0.24 AF
Amount Awarded: \$2,000
Materials Used: Other Plants
State of the Landscape: Transitional
Total Cost of the Project: \$1,500





City of Upland: "Made the Grade"

Street Name: Winn Dr.
City: Upland
Turf Removed: 1,040 Sq. Ft.
Water Saved: 0.15 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Transitional



Street Name: Emerson St.
City: Upland
Turf Removed: 1,837 Sq. Ft.
Water Saved: 0.26 AF
Amount Awarded: \$2,000
Materials Used: Pavers
State of the Landscape: Complete
Total Cost of the Project: \$31,000





City of Upland: "Made the Grade" Cont.

Street Name: Mesa Ct.
City: Upland
Turf Removed: 720 Sq. Ft.
Water Saved: 0.10 AF
Amount Awarded: \$1,440
Materials Used: Synthetic Turf
State of Landscape: Complete



Street Name: Stacy Way
City: Upland
Turf Removed: 1,165 Sq. Ft.
Water Saved: 0.16 AF
Amount Awarded: \$2,000
Materials Used: Synthetic Turf
State of the Landscape: Complete





City of Upland: "Made the Grade" Cont.

Street Name: E. 7th St.
City: Upland
Turf Removed: 1,320 Sq. Ft.
Water Saved: 0.18 AF
Amount Awarded: \$2,000
Materials Used: Soil
State of Landscape: Transitional



Actual Water Savings Chart

The water savings was calculated by comparing monthly averages in the same season pre and post conversion for every site for each agency.

Summary:

The landscapes were equitably evaluated using an objective numerical system to help place the sites into one of the three following classifications: "Model of Success," "Alternative Landscape" and "Made the Grade." These classifications signify that all of the landscapes, representing each member agency, met the criteria of the program.

Landscape evaluations began with determining what types of plants were used in the conversion. Plant types include a range that contains "CA Friendly Plants", which are low water using plants to "Other Plants" which are medium to high water using plants. This area also determined if there were no plants or very few plants planted at all. California Friendly plants are represented by the number 4, medium water using plants (i.e. plants that are neither CA Friendly nor tropical) are represented by the number 3, high water using plants (i.e. tropical plants) are represented by the number 2 and no or very minimal plant coverage is represented by the number 1.

The amount of plant coverage was evaluated in brackets of 0-25% (representing a 1), 25-50% (representing a 2), 50-75% (representing a 3) and 75-100% (representing a 4).

The ground plane was evaluated by percentages indicating whether a landscape installed 0-25% (representing a 4), 25-50% (representing a 3), 50-75% (representing a 2) or 75-100% (representing a 1) of paving.

Two variables were taken into account while analyzing the percentage of paving installed; whether the paving was permeable or non-permeable. Non-permeable paving percentages are as follows: indicated in brackets of 0-25% (representing a 4), 25-50% (representing a 3), 50-75% (representing a 2) and 75-100% (representing a 1). Permeable paving percentages are as follows: indicated in brackets of 0-25% (representing a 1), 25-50% (representing a 2), 50-75% (representing a 3) and 75-100% (representing a 4). If the non-permeable percentage is between 0-25% (or a 4) and the permeable percentage is between 0-24% (or a 1), then no paving was included in the landscape design.

A summation was taken of each of the above characteristics for each site to determine what classification the sites belonged to. Sites that had a total sum of 16 or above fell into the "Models of Success" classification. Sites that had a total sum between 13 and 15 fell into the "Alternative Landscapes" classification. Finally, sites that had a total sum of 12 or below fell into the "Made the Grade" classification.

In the Appendix of this report, all of the sites are represented with a pre- and post-conversion photo and a brief description box containing the site characteristics. Given that many participants converted more of their property than they had originally anticipated at the time of

their pre-inspection of the site, the photos that are included may not show all of the landscaping that had been completed. Thus, the entire site conversion (i.e. the front, back and side yards) was taken into account during the site evaluation process.

Description of Materials Used:

In the description box for every site a category is given which indicates what materials the participants used in their landscape designs. The definitions for each of these different material headings are as follows:

- CA Friendly Landscape: These plants are native to Mediterranean regions and use less water than non-native plants. Some CA Friendly plants that can be seen at the different sites include: *Salvia Clevelandii* (Cleveland Sage), *Muhlenburgia Rigens* (Deer Grass), *Lavandula* Species (Lavender), *Cacti* Species (Cactus), *Rosmarinus* Species (Rosemary), *Ceanothus* Species (CA Lilac) and *Cistus* Species (Rockrose).
- Mixed Materials: This title indicates that a mixture of materials were used to achieve the design of the landscape, such as integrating synthetic turf surrounded by rock beds filled with CA Friendly plants or using a decomposed granite base overlaid with rock pathways and other plants.
- Other Plants: This description means that non-CA Friendly plants, which use higher amounts of water, make up the majority of the landscape. *Pittosporum* Species (No Common Name), *Nandina* Species (Heavenly Bamboo) and *Phormium* Species (Flax) are examples of plants that are not CA Friendly.
- Gravel: This term signifies that gravel is the predominate material that was used in the landscape design.
- Additional Materials: These materials include synthetic turf, permeable pavers, decomposed granite, straw and mulch.

State of the Landscape:

The state of the landscape identifies whether or not the landscape has fully matured or not. This characteristic is stated in the description box for every landscape. The definitions for the two headings are as follows:

- Complete Landscapes: These are landscapes that have been completed, signifying that the plants are at or close to their full size.

- Transitional Landscapes: These are landscapes that are not complete or landscape designs where the plants are not close to their full size (excluding tree size considerations as they take many years to mature). Reasons for an incomplete landscape include plants being available only during certain seasons of the year, self-design and self-installation by participants without the aid of a professional contractor, or the time-consuming process of killing off the grass in sections.

Water Use Results:

The program resulted in a total average of approximately 2 acre-ft per month of water saved which totals to approximately 25 acre-ft per year. This is a percent savings of 21% which can be seen from the 122 acre-feet of water used prior to site conversions down to only 96 acre-feet post site conversions.

Findings:

In many cases it is obvious that the landscapes had a positive impact on water savings. In some cases, the time period between the completion of the conversion sites and when the water use data was collected for this report was not long enough to accurately determine whether any water savings will occur. For many sites, the establishment period for the newly installed plants is still in progress. It is also likely that while many residents changed their landscape, they did not change their irrigation scheduling. There isn't any data to support or deny whether households increased or decreased in size which would also affect their total water usage.

Suggestions:

For future studies it would be best to wait at least 1 year after the post inspection date to survey landscapes and gather the water savings data. Waiting at least two years after the post inspection date would provide the best data for a more accurate analysis of the water savings. After two years plants will have begun to have grown in, the establishment period for the plants will have passed and a full years worth of data will be available (as opposed to in some cases only two months). Encouraging residents to change their irrigation schedules to those that are more appropriate to fit their new landscapes would also save water.

Water Savings Summary Chart

| Units | TOTAL Water Saved | TOTAL Water Usage Pre-Inspection | TOTAL Water Usage Post-Inspection |
|------------------------|-------------------|----------------------------------|-----------------------------------|
| Average CCF/Month | 925 | 4,427 | 3,502 |
| Average CF/month | 92,500 | 442,700 | 350,200 |
| Average AF/month | 2 | 10 | 8 |
| Average AF/year | 25 | 122 | 96 |
| Percent Savings | 21% | | |

| Member Agency | City | Address | Plants Types | Plant Coverage | Paving Coverage | Paving Material | | Categorical Number | Classification | Materials Used | State of Landscape | Water Savings (CC) | Original Monthly Average | Water Savings (% saved per month)* |
|---------------------|-------------|--------------------|--------------|----------------|-----------------|-----------------|---------------|--------------------|--------------------|-----------------|--------------------|--------------------|--------------------------|------------------------------------|
| | | | | | | Permeable | Non-Permeable | | | | | | | |
| City of Chino | Chino | 17th St | 4 | 3 | 3 | 4 | 4 | 18 | Made of Success | Mixed Materials | Transitional | -3 | 4 | -75% |
| City of Chino | Chino | Manual Ct | 1 | 1 | 6 | 4 | 4 | 14 | Alternative Design | Synthetic Turf | Complete | 20 | 34 | 59% |
| City of Chino | Chino | Rowlett St | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | -6 | 8 | -75% |
| City of Chino | Chino | Precado Ave | 3 | 3 | 1 | 1 | 4 | 12 | Alternative Design | Mixed Materials | Transitional | -4 | 18 | -22% |
| | | | | | | | | | | | TOTAL | 7 | 64 | 11% |
| City of Chino Hills | Chino Hills | Wandville Ridge Dr | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 11 | 43 | 26% |
| City of Chino Hills | Chino Hills | Eucalyptus Ave | 1 | 1 | 3 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | -4 | 18 | -12% |
| City of Chino Hills | Chino Hills | Eucalyptus Ave | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 5 | 19 | 25% |
| City of Chino Hills | Chino Hills | Deerhaven Dr | 1 | 1 | 1 | 4 | 4 | 13 | Made the Grade | Synthetic Turf | Complete | -1 | 2 | -50% |
| City of Chino Hills | Chino Hills | Seven Oaks | 2 | 2 | 3 | 4 | 4 | 15 | Alternative Design | Other Plants | Complete | 2 | 14 | 14% |
| City of Chino Hills | Chino Hills | Ernie Dr | 3 | 3 | 4 | 4 | 4 | 18 | Made of Success | CA Friendly | Complete | -2 | 16 | -13% |
| City of Chino Hills | Chino Hills | Rancho Hills Dr | 1 | 1 | 4 | 4 | 4 | 14 | Alternative Design | Pavers | Complete | -1 | 18 | -6% |
| City of Chino Hills | Chino Hills | Hay Dr | 4 | 2 | 2 | 4 | 4 | 16 | Made of Success | CA Friendly | Complete | -7 | 15 | -7% |
| City of Chino Hills | Chino Hills | Tovar Way | 1 | 1 | 3 | 4 | 4 | 13 | Alternative Design | Mixed Materials | Complete | -18 | 4 | -450% |
| City of Chino Hills | Chino Hills | Teak Lane | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 4 | 13 | 31% |
| City of Chino Hills | Chino Hills | Torrey Pines Dr | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 6 | 25 | 24% |
| City of Chino Hills | Chino Hills | Newstar Way | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 5 | 14 | 38% |
| City of Chino Hills | Chino Hills | Melgrove Way | 3 | 3 | 2 | 4 | 1 | 15 | Alternative Design | Other Plants | Complete | 0 | 16 | 0% |
| City of Chino Hills | Chino Hills | Payne Ranch Rd | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 121 | 144 | 84% |
| City of Chino Hills | Chino Hills | Country Club Dr | 4 | 3 | 4 | 1 | 4 | 16 | Made of Success | CA Friendly | Complete | 10 | 44 | 23% |
| City of Chino Hills | Chino Hills | Millgrove Way | 1 | 1 | 1 | 4 | 4 | 13 | Made the Grade | Synthetic Turf | Complete | 1 | 16 | 6% |
| City of Chino Hills | Chino Hills | Valley Springs Rd | 4 | 3 | 4 | 1 | 4 | 16 | Made of Success | CA Friendly | Complete | 8 | 61 | 13% |
| | | | | | | | | | | | TOTAL | 146 | 482 | 30% |

*(-) Indicates that there is an increase in water use by "x" percent

| Member Agency | City | Address | Photos Types | Plant Coverage | Paving Coverage | Paving Material Permeable | Paving Material Non-Permeable | Categorical Number | Classification | Materials Used | State of Landscape | Water Savings (CCF) | Original Monthly Average | Water Savings (% saved per month)* |
|---------------------------------|------------------|-----------------|--------------|----------------|-----------------|---------------------------|-------------------------------|--------------------|--------------------|-----------------|--------------------|---------------------|--------------------------|------------------------------------|
| Cucamonga Valley Water District | Alta Loma | Hidden Farm Rd | 4 | 3 | 4 | 4 | 4 | 19 | Model of Success | CA Friendly | Complete | 6 | 16 | 38% |
| Cucamonga Valley Water District | Alta Loma | Carrari Ct | 4 | 2 | 3 | 4 | 4 | 17 | Model of Success | Mixed Materials | Transitional | 2 | 27 | 7% |
| Cucamonga Valley Water District | Alta Loma | Amberwood Dr. | 1 | 4 | 4 | 4 | 4 | 14 | Alternative Design | Gravel | Complete | 13 | 38 | 34% |
| Cucamonga Valley Water District | Alta Loma | Smiley Mtn. Pl. | 1 | 1 | 2 | 3 | 3 | 10 | Made the Grade | Soil | Complete | 9 | 38 | 24% |
| Cucamonga Valley Water District | Elwanda | Flightstone Pl | 3 | 4 | 3 | 1 | 4 | 15 | Alternative Design | Other Plants | Complete | 6 | 68 | 9% |
| Cucamonga Valley Water District | Fontana | Boston Ct | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mixed Materials | Transitional | 6 | 10 | 67% |
| Cucamonga Valley Water District | Ontario | E Princeton St | 2 | 2 | 2 | 1 | 4 | 11 | Model of Success | Mixed Materials | Transitional | 12 | 25 | 48% |
| Cucamonga Valley Water District | Alta Loma | Briartrace Pl | 1 | 3 | 4 | 1 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 9 | 31 | 29% |
| Cucamonga Valley Water District | Rancho Cucamonga | Carrari Ct | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Mulch | Complete | -1 | 19 | -5% |
| Cucamonga Valley Water District | Rancho Cucamonga | Tapia Via Dr. | 3 | 1 | 2 | 4 | 4 | 14 | Alternative Design | Mixed Materials | Transitional | -3 | 15 | -20% |
| Cucamonga Valley Water District | Alta Loma | 12th St | 1 | 1 | 4 | 1 | 4 | 11 | Made the Grade | Other Plants | Complete | -2 | 5 | -40% |
| Cucamonga Valley Water District | Rancho Cucamonga | Rancho Ave | 3 | 3 | 1 | 4 | 4 | 15 | Alternative Design | Other Plants | Transitional | 6 | 18 | 33% |
| Cucamonga Valley Water District | Elwanda | Arapaho Rd | 1 | 1 | 2 | 4 | 4 | 12 | Made the Grade | Soil | Transitional | 0 | 31 | 0% |
| Cucamonga Valley Water District | Rancho Cucamonga | Chimarron Ct | 2 | 1 | 4 | 4 | 4 | 13 | Alternative Design | Mixed Materials | Complete | 8 | 41 | 20% |
| Cucamonga Valley Water District | Alta Loma | Elburn Ct | 1 | 3 | 3 | 4 | 4 | 15 | Alternative Design | Synthetic Turf | Complete | 0 | 31 | 0% |
| Cucamonga Valley Water District | Alta Loma | Topack St | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 13 | 54 | 24% |
| Cucamonga Valley Water District | Alta Loma | Camelia Ct | 3 | 3 | 4 | 4 | 4 | 18 | Model of Success | Other Plants | Transitional | 18 | 43 | 62% |
| Cucamonga Valley Water District | Rancho Cucamonga | Hermosa Ave | 1 | 3 | 2 | 4 | 3 | 11 | Made the Grade | Mulch | Complete | 38 | 106 | 37% |
| Cucamonga Valley Water District | Rancho Cucamonga | Windgowne Dr. | 3 | 2 | 2 | 4 | 4 | 15 | Alternative Design | Mixed Materials | Transitional | -5 | 44 | -11% |
| Cucamonga Valley Water District | Rancho Cucamonga | Santolina Pl | 4 | 4 | 3 | 4 | 4 | 19 | Model of Success | Mixed Materials | Transitional | 8 | 33 | 35% |
| Cucamonga Valley Water District | Rancho Cucamonga | Arapaho Rd | 1 | 1 | 2 | 2 | 4 | 10 | Made the Grade | Soil | Transitional | -29 | 27 | -107% |
| Cucamonga Valley Water District | Fontana | Ardena St | 1 | 1 | 3 | 4 | 4 | 13 | Alternative Design | Synthetic Turf | Complete | 19 | 41 | 46% |
| Cucamonga Valley Water District | Alta Loma | Mt. Wallace Ct. | 3 | 4 | 1 | 4 | 4 | 16 | Model of Success | Mixed Materials | Transitional | 10 | 19 | 53% |
| Cucamonga Valley Water District | Rancho Cucamonga | Miladwhite Ave. | 3 | 4 | 4 | 1 | 4 | 16 | Model of Success | Other Plants | Complete | 10 | 38 | 36% |
| Cucamonga Valley Water District | Alta Loma | Hillside Rd. | 3 | 3 | 1 | 4 | 1 | 12 | Alternative Design | Mixed Materials | Transitional | 67 | 160 | 42% |
| Cucamonga Valley Water District | Rancho Cucamonga | Church St. | 1 | 1 | 4 | 1 | 1 | 8 | Made the Grade | Mulch | Complete | 3 | 22 | 14% |
| Cucamonga Valley Water District | Elwanda | Ashton Pl | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Complete | 15 | 81 | 19% |
| Cucamonga Valley Water District | Alta Loma | Behvan St | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Complete | 2 | 51 | 4% |
| Cucamonga Valley Water District | Alta Loma | Nevalda Ct | 3 | 2 | 1 | 4 | 4 | 14 | Alternative Design | Other Plants | Transitional | 7 | 19 | 39% |
| Cucamonga Valley Water District | Ontario | E. Mulberry Ct | 4 | 3 | 4 | 4 | 4 | 17 | Model of Success | Mixed Materials | Complete | -3 | 20 | -15% |
| Cucamonga Valley Water District | Alta Loma | 12th St | 3 | 4 | 4 | 4 | 4 | 19 | Model of Success | Other Plants | Complete | 78 | 126 | 53% |
| Cucamonga Valley Water District | Alta Loma | Trotters Lane | 1 | 1 | 1 | 4 | 4 | 13 | Made the Grade | Mulch | Complete | -4 | 18 | 27% |
| Cucamonga Valley Water District | Rancho Cucamonga | Wiel Ct. | 2 | 1 | 1 | 4 | 4 | 13 | Alternative Design | Gravel | Complete | 12 | 27 | 48% |
| Cucamonga Valley Water District | Rancho Cucamonga | Daybreak Pl. | 1 | 1 | 4 | 4 | 4 | 14 | Alternative Design | Synthetic Turf | Complete | 5 | 14 | 36% |
| Cucamonga Valley Water District | Alta Loma | Genesee Rd | 1 | 2 | 3 | 3 | 4 | 19 | Alternative Design | Mixed Materials | Transitional | 2 | 18 | 11% |
| Cucamonga Valley Water District | Rancho Cucamonga | Larrea St | 4 | 3 | 2 | 4 | 4 | 17 | Model of Success | Mixed Materials | Complete | 9 | 28 | 33% |
| Cucamonga Valley Water District | Rancho Cucamonga | Alta Loma Dr | 3 | 2 | 3 | 1 | 4 | 15 | Alternative Design | Other Plants | Transitional | 13 | 23 | 57% |
| Cucamonga Valley Water District | Alta Loma | Sunstone Ave | 1 | 1 | 3 | 3 | 3 | 11 | Made the Grade | Synthetic Turf | Complete | -12 | 34 | -35% |
| Cucamonga Valley Water District | Rancho Cucamonga | Woodward Ct | 1 | 1 | 3 | 3 | 4 | 15 | Made the Grade | Pavers | Complete | 15 | 21 | 71% |
| Cucamonga Valley Water District | Rancho Cucamonga | Mt. Lassen Ct | 3 | 2 | 2 | 4 | 4 | 15 | Alternative Design | Mixed Materials | Complete | 6 | 16 | 53% |
| Cucamonga Valley Water District | Fontana | Boston Ct | 3 | 2 | 2 | 4 | 4 | 15 | Alternative Design | Mixed Materials | Complete | 21 | 27 | 78% |
| Cucamonga Valley Water District | Rancho Cucamonga | Alta Loma Dr | 1 | 1 | 3 | 3 | 3 | 13 | Made the Grade | Gravel | Complete | 5 | 10 | 50% |
| Cucamonga Valley Water District | Rancho Cucamonga | Battercup Way | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Gravel | Complete | 12 | 27 | 44% |
| Cucamonga Valley Water District | Alta Loma | Blissie Pl. | 1 | 1 | 3 | 3 | 3 | 11 | Made the Grade | Synthetic Turf | Complete | 10 | 31 | 32% |
| Cucamonga Valley Water District | Elwanda | Cornwall Ave. | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | Mixed Materials | Complete | -5 | 10 | -90% |

*(-) Indicates that there is an increase in water use by "x" percent

| Member Agency | City | Address | Plant Types | Plant Coverage | Paving Coverage | Paving Material | | Categorical Number | Classification | Materials Used | State of Landscape | Water Savings (CCF) | Original Monthly Average | Water Savings [% saved per month]* |
|---------------------------------|------------------|-----------------|-------------|----------------|-----------------|-----------------|---------------|--------------------|--------------------|-----------------|--------------------|---------------------|--------------------------|---------------------------------------|
| | | | | | | Permeable | Non-Permeable | | | | | | | |
| Cucamonga Valley Water District | Rancho Cucamonga | Garden St. | 3 | 2 | 1 | 4 | 4 | 10 | Alternative Design | Other Plants | Traditional | 4 | 15 | 27% |
| Cucamonga Valley Water District | Rancho Cucamonga | Balsa | 1 | 1 | 3 | 3 | 3 | 11 | Made-the-Grade | Mixed Materials | Complete | 2 | 6 | 33% |
| Cucamonga Valley Water District | Rancho Cucamonga | Countryview Dr | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | Mixed Materials | Complete | 36 | 44 | 68% |
| Cucamonga Valley Water District | Elwanda | Vista St. | 1 | 1 | 1 | 1 | 4 | 8 | Made-the-Grade | Dirt | Complete | 11 | 23 | 49% |
| Cucamonga Valley Water District | Fontana | Boston Court | 4 | 1 | 1 | 4 | 4 | 14 | Alternative Design | Gravel | Transitional | 21 | 27 | 78% |
| Cucamonga Valley Water District | Rancho Cucamonga | Begonia Pl. | 1 | 3 | 3 | 4 | 4 | 15 | Alternative Design | Mixed Materials | Complete | 9 | 14 | 61% |
| Cucamonga Valley Water District | Alta Loma | Mt. Wilson Ct. | 1 | 1 | 3 | 3 | 3 | 11 | Made-the-Grade | Synthetic Turf | Complete | 7 | 12 | 59% |
| Cucamonga Valley Water District | Alta Loma | Mt. Baldwin Ct. | 1 | 1 | 3 | 3 | 3 | 11 | Made-the-Grade | Synthetic Turf | Complete | 14 | 27 | 53% |
| Cucamonga Valley Water District | Alta Loma | Gardena Ave | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | Ca Friendly | Complete | -16 | 36 | -14% |
| TOTAL | | | | | | | | | | | | 496 | 1792 | 28% |

*(-) Indicates that there is an increase in water use by "x" percent

| Member Agency | City | Address | Plants Types | Plant Coverage | Paving Coverage | Paving Material | | Categorical Number | Classification | Materials Used | State of Landscape | Water Savings (CCT) | Original Monthly Average | Water Savings (% saved per month)* |
|----------------------------|-----------|----------------------------|--------------|----------------|-----------------|-----------------|---------------|--------------------|--------------------|-----------------|--------------------|---------------------|--------------------------|------------------------------------|
| | | | | | | Permeable | Non-Permeable | | | | | | | |
| Fontana Water Company | Fontana | Withers Ave | 4 | 4 | 2 | 4 | 4 | 8 | Model of Success | Other Plants | Complete | 5 | 51 | 10% |
| Fontana Water Company | Fontana | Oleander Ave | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mulch | Transitional | 13 | 19 | 85% |
| Fontana Water Company | Fontana | New Free Trail | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 34 | 34 | 100% |
| Fontana Water Company | Fontana | Olajohna Ave. | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Complete | -3 | 17 | -18% |
| TOTAL | | | | | | | | | | | | | | 40% |
| Monte Vista Water District | Poncha | E. Colind Ave. | 4 | 3 | 4 | 4 | 1 | 4 | Model of Success | CA Friendly | Transitional | -5 | 61 | -8% |
| Monte Vista Water District | Chino | Ramona Ave | 3 | 1 | 3 | 3 | 3 | 13 | Alternative Design | Gravel | Complete | 1 | 82 | 3% |
| Monte Vista Water District | Montclair | Howard St. | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Complete | 25 | 82 | 50% |
| Monte Vista Water District | Montclair | San Clemente Way | 1 | 1 | 3 | 3 | 3 | 11 | Made the Grade | Synthetic Turf | Complete | 2 | 17 | 12% |
| Monte Vista Water District | Chino | Vernon Ave | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mixed Materials | Complete | -14 | 71 | -20% |
| Monte Vista Water District | Chino | Roswell Ave | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | Other Plants | Complete | 1 | 60 | 2% |
| Monte Vista Water District | Chino | Francis Ave | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mixed Materials | Complete | -39 | 72 | -54% |
| Monte Vista Water District | Chino | Elm St | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | CA Friendly | Transitional | 1 | 19 | 5% |
| Monte Vista Water District | Montclair | Carriage | 3 | 1 | 1 | 4 | 4 | 13 | Alternative Design | Synthetic Turf | Transitional | 33 | 82 | 40% |
| Monte Vista Water District | Chino | Chino Ave | 3 | 3 | 4 | 4 | 4 | 18 | Model of Success | Other Plants | Complete | 28 | 57 | 49% |
| Monte Vista Water District | Montclair | Caroline | 1 | 1 | 1 | 1 | 1 | 8 | Made the Grade | Dirt | Complete | 6 | 36 | 17% |
| TOTAL | | | | | | | | | | | | | | 39% |
| City of Ontario | Ontario | N. Madiera Pkwy | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | 1 | 7 | 14% |
| City of Ontario | Ontario | W. 11 th Street | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mixed Materials | Transitional | -7 | 35 | -47% |
| City of Ontario | Ontario | W. 7 th Street | 4 | 1 | 1 | 4 | 4 | 14 | Alternative Design | Other Plants | Transitional | 2 | 14 | 14% |
| City of Ontario | Ontario | S. Wilder Rd | 3 | 3 | 4 | 4 | 4 | 18 | Model of Success | Other Plants | Transitional | -2 | 26 | -8% |
| City of Ontario | Ontario | W. Berkshire Ct. | 3 | 4 | 4 | 4 | 4 | 16 | Model of Success | Other Plants | Transitional | -1 | 21 | -5% |
| City of Ontario | Ontario | W. Brecker St. | 4 | 3 | 3 | 3 | 3 | 16 | Model of Success | CA Friendly | Transitional | -4 | 25 | -16% |
| City of Ontario | Ontario | Pony Dr | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | Mixed Materials | Complete | -6 | 6 | -100% |
| City of Ontario | Ontario | E. Harvard Pl. | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | CA Friendly | Complete | 0 | 9 | 0% |
| City of Ontario | Ontario | E. Willow St. | 3 | 2 | 2 | 4 | 4 | 15 | Alternative Design | Other Plants | Transitional | -2 | 10 | -30% |
| City of Ontario | Ontario | E. Bonwood Ct. | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Synthetic Turf | Complete | -10 | 14 | -71% |
| City of Ontario | Ontario | Margosa Pkwy | 1 | 1 | 3 | 3 | 3 | 11 | Made the Grade | Synthetic Turf | Complete | -1 | 29 | -3% |
| City of Ontario | Ontario | W. Flora St | 1 | 1 | 1 | 4 | 4 | 11 | Made the Grade | Gravel | Complete | 0 | 11 | 0% |
| City of Ontario | Ontario | S. Pleasant Dr | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Transitional | 2 | 14 | 24% |
| City of Ontario | Ontario | N. Orange Ave | 2 | 2 | 2 | 4 | 4 | 14 | Alternative Design | Mixed Materials | Transitional | 11 | -82 | 27% |
| TOTAL | | | | | | | | | | | | | | -16% |
| San Antonio Water Company | Upland | Cliff Rd | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | CA Friendly | Complete | 3 | 166 | 5% |
| San Antonio Water Company | Upland | Ravina Circle | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | CA Friendly | Complete | 40 | 97 | 41% |
| San Antonio Water Company | Upland | San Antonio Crescent East | 4 | 1 | 1 | 4 | 4 | 14 | Alternative Design | CA Friendly | Complete | -7 | 41 | -17% |
| TOTAL | | | | | | | | | | | | | | 30% |

*(-) Indicates that there is an increase in water use by "x" percent

| Member Agency | City | Address | Plants Types | Plant Coverage | Paving Coverage | Permeable | Faving Material Biom-Permeable | Categorical Number | Classification | Materials Used | State of Landscape | Water Savings (CCF) | Original Monthly Average | Water Savings (% saved per month)* |
|----------------|--------|-------------------|--------------|----------------|-----------------|-----------|-----------------------------------|--------------------|--------------------|-----------------|--------------------|---------------------|-----------------------------|---------------------------------------|
| City of Upland | Upland | W. Buffington St. | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mixed Materials | Complete | 6 | 60 | 30% |
| City of Upland | Upland | W. 8th St. | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mixed Materials | Complete | 0 | 6 | 0% |
| City of Upland | Upland | E. 7th St. | 2 | 1 | 1 | 3 | 3 | 9 | Made the Grade | Soil | Transitional | .5 | 15 | .33% |
| City of Upland | Upland | Shamrock | 3 | 2 | 2 | 4 | 4 | 15 | Alternative Design | Mixed Materials | Complete | 8 | 36 | 22% |
| City of Upland | Upland | N. Erin Ave | 4 | 2 | 3 | 4 | 4 | 18 | Model of Success | Mixed Materials | Transitional | 1 | 30 | 3% |
| City of Upland | Upland | Mulberry Ave | 4 | 2 | 3 | 4 | 4 | 17 | Model of Success | CA Friendly | Complete | 4 | 29 | 14% |
| City of Upland | Upland | Campbell Way | 4 | 2 | 3 | 4 | 4 | 17 | Model of Success | CA Friendly | Complete | 2 | 34 | 34% |
| City of Upland | Upland | N. 2nd Avenue | 4 | 2 | 3 | 4 | 4 | 17 | Model of Success | CA Friendly | Transitional | 8 | 31 | 26% |
| City of Upland | Upland | N. Albright Ave | 4 | 2 | 3 | 4 | 4 | 17 | Model of Success | CA Friendly | Transitional | 6 | 30 | 20% |
| City of Upland | Upland | W. Cumberland St. | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Transitional | .3 | 27 | .4% |
| City of Upland | Upland | W. 15th St. | 2 | 4 | 4 | 4 | 4 | 13 | Model of Success | Other Plants | Complete | 1 | 20 | 10% |
| City of Upland | Upland | Emerson St. | 3 | 3 | 4 | 1 | 4 | 15 | Alternative Design | Other Plants | Complete | 15 | 57 | 26% |
| City of Upland | Upland | Windemere Way | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Complete | 11 | 49 | 22% |
| City of Upland | Upland | Winn Dr | 3 | 2 | 2 | 4 | 4 | 15 | Alternative Design | Other Plants | Transitional | 17 | 31 | 55% |
| City of Upland | Upland | Ulman Way | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Complete | 6 | 26 | 30% |
| City of Upland | Upland | N. 33th Ave | 4 | 2 | 2 | 4 | 4 | 16 | Model of Success | Mixed Materials | Transitional | 30 | 46 | 65% |
| City of Upland | Upland | W. Solano St. | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | CA Friendly | Transitional | 16 | 30 | 53% |
| City of Upland | Upland | N. Escalade Ave | 4 | 4 | 4 | 1 | 4 | 17 | Model of Success | CA Friendly | Complete | 10 | 27 | 37% |
| City of Upland | Upland | Mesa Ct. | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | CA Friendly | Transitional | 4 | 13 | 31% |
| City of Upland | Upland | East "F" St. | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | CA Friendly | Transitional | 2 | 16 | 13% |
| City of Upland | Upland | Van Ness Ave | 4 | 2 | 3 | 4 | 4 | 17 | Model of Success | CA Friendly | Transitional | 8 | 19 | 42% |
| City of Upland | Upland | Shane Ct. | 4 | 4 | 4 | 4 | 4 | 20 | Model of Success | CA Friendly | Complete | 19 | 88 | 22% |
| City of Upland | Upland | Sassy Way | 1 | 1 | 3 | 3 | 3 | 11 | Made the Grade | Synthetic Turf | Complete | .1 | 41 | .2% |
| City of Upland | Upland | Winn Dr. | 4 | 1 | 1 | 1 | 4 | 11 | Made the Grade | Mixed Materials | Transitional | 5 | 7 | 71% |
| City of Upland | Upland | N. Ulman Way | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | CA Friendly | Transitional | -6 | 3 | 200% |
| City of Upland | Upland | N. 3rd Ave | 4 | 3 | 3 | 4 | 4 | 18 | Model of Success | CA Friendly | Transitional | 7 | 33 | 21% |
| City of Upland | Upland | Francis Ave | 4 | 4 | 4 | 1 | 4 | 17 | Model of Success | CA Friendly | Complete | -14 | 41 | .84% |
| City of Upland | Upland | Veterans Ct. | 4 | 3 | 3 | 1 | 4 | 15 | Alternative Design | CA Friendly | Complete | 3 | 10 | 30% |
| | | | | | | | | 163 | TOTAL | | | 832 | 20% | |

*(-) Indicates that there is an increase in water use by "x" percent

Participant Surveys

WaterWise Residential Rebate Program Follow-Up Survey Results

| Survey Questions | Yes | No | Comments |
|--|-----|----|---|
| Did your water agency provide you with an informational packet prior to the start of your conversion and was it helpful? | 15 | 9 | Can't remember; took IEUA classes; visited Rancho Santa Ana Botanical Gardens; yes the packet was helpful; performed a lot of self research |
| Were the requirements of the program clearly spelled out? What could have been done better to make the requirements more clear? | 23 | 2 | Program should not have been labeled a "mini-grant"; poor communication with member agency; information could have been clearer |
| Did you find the program easy to participate in? What could have been done better? | 24 | 1 | Would like more information on plants and wider range of plant suggestions provided in packet; member agency had very poor communication and "dropped the ball" several times with the customer |
| Do you like your new landscaping? | 25 | 0 | Plants are starting to grow in; installed synthetic turf primarily for dog; wish they could do more and continue converting other areas; water bill is 50% lower; love it! |
| Did you complete your landscaping project? If not, what still needs to be done? | 20 | 4 | No: Are replacing plants that have died; still adding plants; may convert additional areas; personal setbacks have prevented additional conversions; want to convert more areas but WaterWise program is on hold; want to eventually eliminate all of their grass |
| Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate? | 22 | 1 | Vast majority of respondents stated that lawn conversion was something they were considering but the rebate accelerated their decision; rebate offset costs and made the conversion possible |
| Have you seen a decrease in water usage since removing your lawn? Give reasons as to why or why not. | 16 | 4 | Yes: Decrease was slight but now stable; installed additional water savings devices inside and outside the home; irrigate less each week; 50% water reduction No: Plants are still being established, were not irrigating before the conversion so no noticeable water savings, spouse still likes to water alot |

| Comment Questions | |
|--|--|
| How did you learn about this program? | Newspaper: 4 Utilities Company: 9 IEUA Website: 6 Landscape Contractor: 4 Another Participant: 1 Neighbor: 2 Member Agency Employee: 1 |
| What resources did you use to convert your landscape? List all that apply. | Professional Landscaper/Architect: 12 Books: 9 Tours: 3 WaterWise Information Packet: 8 Nurseries: 4 Self Install and Self Design: 8 Water Agency: 2 Rancho Santa Botanical Gardens: 3 Plant Websites: 3 Family: 1 |
| What feedback have you received from friends or neighbors on your new landscaping? | At first they were skeptical but now that landscape has filled in they are more receptive; receive positive remarks and show lots of interest; positive feedback and additional people signed up after speaking to participant and looking at his yard; people like it; installation of synthetic turf has eliminated damage by dog; lives across the street from an elementary school exposing his conversion to 1,000+ parents driving by each day |

General Comments About The Program

- Goal is to use as many native plants as possible;
- Yard is easier to maintain and it was easy to participate in the program;
- Program criteria was easy to understand; IEUA staff were very helpful;
- Great program, appreciate the funding, wish the program would continue/restart; would like to convert additional areas of their yard
- "When are Californians going to realize we have a water shortage and they need to make changes like Las Vegas has done";
- Participant received CVWD Landscape Recognition Award and will be part of the future WaterWise tour;
- Rebate should be reduced to \$1/sf so more people can participate in the program;
- Participant's conversion has inspired others to do the same;
- Participant receives lots of questions and inquiries about his conversion, and the rebate program and terms;
- "A great project, very happy with the results, great communication with the water agency";
- "It gave us a nudge to go forward with an idea we had already been considering";
- Provide customer with turf removal cost reduction ideas (due to dumpster rental costs);
- Advertise publicly on expected water savings with the program;
- The money saved each month due to their conversion is small but they wanted to do the right thing to reduce imported water supplies during this drought;
- Please do more marketing of the program because seniors don't always have internet access;
- Member agency communication should be improved with the customer;
- Please show more examples of nice landscapes and successful conversions to inspire people

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Kahler

Address: 17th Street

Water Agency: City of Chino

1.) How did you learn about this program?

Newspaper

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Took landscape classes at IEUA and went to Rancho Santa Botanical Gardens. Don't remember receiving a packet but classes and reading helped. Visited Chino Basin Water Conservation District for planning purposes.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Clearly spelled out.

4.) Did you find the program easy to participate in? What could have been done better?

No problems with participation.

5.) Do you like your new landscaping?

Love it. Already did the backyard first.

6.) Did you complete your landscaping project? If not, what still needs to be done?

Ongoing project. Some plants died so need to replace. Always something to change or redo.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$6,000.00 1,200 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Rebate helped in getting the work quicker. Was going to do the conversion anyway but would have delayed the project several years.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

- **Professional Contractor** John and Irene Garrison, Drew base map, newly installed drip irrigation. (sprinkler system) rock work. Also did the back yard.
- **Books** Plant research and books from Rancho Santa Ana Botanical Gardens

10.) Have you seen a decrease in water usage since removing your lawn?

Water usage-Slightly less and pretty much stable year round once landscaping has been established.

11.)What feedback have you received from friends or neighbors on your new landscaping?

At first friends and neighbors were skeptical but now landscape has filled in and friends and neighbors seem to be more receptive.

12.)Are there any additional comments that you would like to provide about the program?

Her goal to use as many natives a possible. Recommend drought tolerant plants to anyone. Easy to maintain. Yard looks good even in the drought and saving water. Don't mind sharing property for viewing for others to learn from.

WaterWise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Ellsworth

Address: Valley Springs Way

Water Agency: City of Chino Hills

1.) How did you learn about this program?

At an event at the utilities company.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes, she received a packet and found it to be useful.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in and there was good communication.

5.) Do you like your new landscaping?'

"I do, things are starting to grow in."

6.) Did you complete your landscaping project? If not, what still needs to be done?

Still needs to add some plants and might be expanding the conversion to other areas of her property. They did the work themselves.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$4,000.00 1,000-2,000 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes, the rebate influenced their decision to convert their landscape.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet

Other-Greenlee Nursery (purchased plants there and found their consultation services to be very helpful)

10.) Have you seen a decrease in water usage since removing your lawn?

Don't know yet, but used to water 4-5 times per week and now only twice a week. Also, capped sprinklers

11.) What feedback have you received from friends or neighbors on your new landscaping?

She has received positive remarks about the landscape and people are showing a lot of interest. People have been excited.

12.) Are there any additional comments that you would like to provide about the program?

The program was very easy to participate. Since there was not a lot of different people to contact those that she did speak with were very helpful, especially the staff at Greenlee Nursery.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Graham

Address: Seven Oaks

Water Agency: City of Chino Hills

1.) How did you learn about this program?

Information in the mail or from the news.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes and it was helpful.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in. There was good communication.

5.) Do you like your new landscaping?

Yes, I like my new landscaping.

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes, the conversion is complete.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$15,000.00

900 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes, the rebate pushed me to take on the project although I was thinking about converting my landscape prior to the rebate.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet

Professional Contractor-Mike Jones

Other-took tours (lasted 3-4 hours) outside the city to see different landscaping ideas

10.) Have you seen a decrease in water usage since removing your lawn?

Not sure. Installed a drip system.

11.) What feedback have you received from friends or neighbors on your new landscaping?

Received positive feedback. About 3 people participated in the program as well after asking him about it.

12.) Are there any additional comments that you would like to provide about the program?

No problems with the program.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Hossari

Address: Payne Ranch Rd.

Water Agency: City of Chino Hills

1.) How did you learn about this program?

The agency.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes and the packet was helpful.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in and there was good communication.

5.) Do you like your new landscaping?

"Definitely."

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes, the landscape is complete. He would like to convert more landscape in the future.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$14,500.00

3,000 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

The rebate enticed him to go forward with the project. He would like to convert more lawn to synthetic turf in the future.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet

Professional Contractor – Easy Turf

10.) Have you seen a decrease in water usage since removing your lawn?

Yes, by \$100 per month. He also installed a HECW and refrigerator too.

11.) What feedback have you received from friends or neighbors on your new landscaping?

People ask him how much the project costs, where he got the rebate, and who installed the turf. They express interest in wanting to do the same thing.

12.) Are there any additional comments that you would like to provide about the program?

**“Nice to extend the program for other people in the community so they can also save water.”
He would apply for the program again to expand his conversion to other areas on his property in the future.**

WaterWise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Iasparro

Address: Milgrove Way

Water Agency: City of Chino Hills

1.) How did you learn about this program?

Neighbors referred us to a synthetic turf company who told us about the program.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

No packet was given to her.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the lady that helped her was very informative.

5.) Do you like your new landscaping?

Yes, synthetic turf was installed to replace the grass in the backyard primarily for the dog.

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes, the conversion is complete. Cost associated with synthetic turf is high so the rebate made it more affordable. Wish that we could convert the front yard.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$4,500.00 788 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

It accelerated the decision. It cost half the price with the rebate which made it more affordable.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

Professional Contractor –Always Green (Synthetic Turf company)

10.) Have you seen a decrease in water usage since removing your lawn?

For 8 years the water bill was always the same (may have been a leak) and now the bill has balanced out with increase in price and water use has decreased. She installed a HECW as well.

11.) What feedback have you received from friends or neighbors on your new landscaping?

People have liked the landscape. She encouraged friends from other cities to install synthetic turf as well. This has eliminated the dog tearing up the yard and having to walk on the dead and muddy grass.

12.) Are there any additional comments that you would like to provide about the program?

Mindy Sanchez and Katie Sims were very helpful!

WaterWise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Fowler

Address: Malachite Avenue

Water Agency: CVWD

- 1.) How did you learn about this program?

Website

- 2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

No, did not receive one

- 3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Program was easy to understand

- 4.) Did you find the program easy to participate in? What could have been done better?

Program was easy to participate in

- 5.) Do you like your new landscaping?

Yes, wish we could do more

- 6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes, want to do more if there was a another rebate

- 7.) What was the total cost of your project? What is the estimated square footage of the project?

\$2,000 1,000 square footage of turf removed

- 8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Customer was going to convert the landscape without the rebate, but provided more incentive to continue with additional rebate opportunity

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor Hired contractor to remove turf only

Books _____

Magazines _____

Websites _____

Other Customer installed new landscape

10.) Have you seen a decrease in water usage since removing your lawn?

Haven't seen much reduction yet because of establishing plants in the backyard. Expect water use to drop a lot in the next year

What feedback have you received from friends or neighbors on your new landscaping?

Neighbors and friends interested in doing it themselves

11.) Are there any additional comments that you would like to provide about the program?

Really liked the program and appreciated the funding

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Jenkins

Address: Trotters Lane

Water Agency: CVWD

1.) How did you learn about this program?

A friend who also participated in the program

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

No, did not receive one

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

They were and they were not. The program should not have been titled a "mini-grant" program when it was truly a rebate program. This was misleading

4.) Did you find the program easy to participate in? What could have been done better?

Program was easy to participate in and Rita Kurth at CVWD was very nice. She provided several extensions and was really understanding about our situation

5.) Do you like your new landscaping?

Not done yet. Front yard currently only full of bark. We have a plan and will plant in the next few weeks. Had some personal setbacks to completing full project.

6.) Did you complete your landscaping project? If not, what still needs to be done?

No, ongoing.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$2,500 1,800 square footage of turf removed

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

The rebate incentivized the husband to convert the landscape. Customers were told by a contractor they would be required to remove their turf in the next five years. Also water shortage helped them to decide to make the change. Didn't want to pay a higher water bill.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____

Books Tough plans for California Gardens purchased at Lowes

Magazines _____

Websites _____

Other Maloof

10.) Have you seen a decrease in water usage since removing your lawn?

Haven't seen much reduction but weren't irrigating before the conversion. Water usage has stayed pretty consistent.

What feedback have you received from friends or neighbors on your new landscaping?

N/A

11.) Are there any additional comments that you would like to provide about the program?

Great program, criteria easy to understand

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Obadike

Address: Boston Court

Water Agency: CVWD

1.) How did you learn about this program?

Neighbor

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes, did receive packet from CVWD employee

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Program was easy to understand

4.) Did you find the program easy to participate in? What could have been done better?

Program was easy to participate in

5.) Do you like your new landscaping?

Yes, water bill is 50% lower

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$3,500 3,000 square footage of turf removed

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

The rebate was the driving force for customer to make the change. Went to Las Vegas on vacation but took time to drive around and look at their landscaping to duplicate in this area.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor Hired labor for the work _____

Books _____

Magazines _____

Websites _____

Other Customer designed landscape conversion _____

10.) Have you seen a decrease in water usage since removing your lawn?

Water bill is 50% lower than before the change

What feedback have you received from friends or neighbors on your new landscaping?

Like landscape

11.) Are there any additional comments that you would like to provide about the program?

When are California's going to realize we have a water shortage and they need to make changes like Las Vegas has done.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Pickrell

Address: Gardenia Avenue

Water Agency: CVWD

1.) How did you learn about this program?

Wanted to put in drought tolerant plants-hired a landscape contractor who came up with design and homeowner picked up plants.

Contractor informed customer

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

No packets were provided

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Program was easy to understand

4.) Did you find the program easy to participate in? What could have been done better?

Easy to participate in

5.) Do you like your new landscaping?

Yes, very much

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$9,000.00 4,000 square footage of turf removed

Re-installed 900 sq-feet of tall fescue for aesthetic s with MP Rotating nozzles

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____

Books _____

Magazines _____

Websites _____

Other _____

10.) Have you seen a decrease in water usage since removing your lawn?

Slightly lower. Landscape is established and water now twice a week.

Installed drip irrigation system and removed overhead spray.

11.) What feedback have you received from friends or neighbors on your new landscaping?

Really like the landscape

12.) Are there any additional comments that you would like to provide about the program?

Hope that irrigation scheduling is changed along the 210 freeway. System irrigates during the day when it is really hot.

Was a recipient of the CVWD Landscape Recognition award and will be part of their Water Wise Tour

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Smith

Address: Camelia Court

Water Agency: CVWD

1.) How did you learn about this program?

Newspaper

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

No packets were provided

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Program was easy to understand

4.) Did you find the program easy to participate in? What could have been done better?

Program was easy to participate in

5.) Do you like your new landscaping?

Yes, very much (Desert Scape), ¾ Decomposed Granite and 3 cactus beds

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$3,000 1,600 square footage of turf removed

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Customer was going to make the changes anyway but rebate helped start project sooner.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____

Books _____

Magazines _____

Websites _____

Other Self Installed _____

10.) Have you seen a decrease in water usage since removing your lawn?

Water bill is lower even with the recent rate increases

What feedback have you received from friends or neighbors on your new landscaping?

Really like the landscape but only friends and family see it because it is in the backyard

11.) Are there any additional comments that you would like to provide about the program?

Would like to convert another area because customer has a ½ acre and would like to convert front yard now. Converted about 30% of the backyard.

Both water agencies were great to work with.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Figoni

Address: Hidden Farm Road

Water Agency: CVWD

- 1.) How did you learn about this program?
From an employee at CVWD.
- 2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?
No. n/a.
- 3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?
Well defined and easy to follow.
- 4.) Did you find the program easy to participate in? What could have been done better?
Very easy to follow.
- 5.) Do you like your new landscaping?
Yes, and so do the neighbors.
- 6.) Did you complete your landscaping project? If not, what still needs to be done?
Yes. However, I would like to add more interesting plants in the near future. I think all landscape needs modifying every now and then.
- 7.) What was the total cost of your project? What is the estimated square footage of the project?
\$3,000.00 900 square footage
- 8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?
No. Yes.
- 9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

- WaterWise Information Packet** _____
- Professional Contractor** _____
- Books** Sunset, _____
- Magazines** _____

Websites _____

Other Tours of other gardens – mainly CBWCD and Maloof

10.) Have you seen a decrease in water usage since removing your lawn?

Yes (use first bullet) or **No** (use second bullet)

- If so, please check all of the following factors which may have caused you to use less water:
 - Installation of additional water savings devices
 - A decrease in household size
 - Other: _____

- If not, please check all of the following factors which may have caused you to use more water:
 - Establishment of new plants in place of grass
 - An increase in household size
 - Did not change the watering schedule after replacing grass
 - Did not alter the irrigation system after replacing grass
 - Swimming pool installation
 - Other: _____

11.) What feedback have you received from friends or neighbors on your new landscaping?

I have motivated several neighbors and friends to convert their yards to water-wise wonderlands. Plus, the kids in the neighborhood said my yard is more fun and interesting than the others on the block.

12.) Are there any additional comments that you would like to provide about the program?

I think it would be more productive to reimburse \$1/sf instead of \$2 so twice as many households could benefit from the program.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Capps

Address: Withers Avenue

Water Agency: Fontana Water Company

1.) How did you learn about this program?

Daily Bulletin Ad

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Received packet and found it useful

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, no need to make it clearer

4.) Did you find the program easy to participate in? What could have been done better?

Yes, was easy. No need to make anything better

5.) Do you like your new landscaping?

Yes because the husband doesn't have to work at it as much

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____

Books _____

Magazines _____

Websites _____

Other Husband's hobby is botany

10.) Have you seen a decrease in water usage since removing your lawn?

No, husband likes to water a lot

11) What feedback have you received from friends or neighbors on your new landscaping?

All of their friends and neighbors enjoy it and are interested in how we got paid to do it

12) Are there any additional comments that you would like to provide about the program?

No additional comments, but thank you for offering the program

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Mnich

Address: New Foal Trail

Water Agency: Fontana Water Company

1.) How did you learn about this program?

Online or newspaper ad

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Received packet and found it useful

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Requirements were clearly spelled out and nothing needed to be done better

4.) Did you find the program easy to participate in? What could have been done better?

Yes

5.) Do you like your new landscaping?

Yes

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

Does not remember

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes, very much so

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____

Books _____

Magazines _____

Websites _____

Other Friends and Sunshine Nursery in Ontario

10.) Have you seen a decrease in water usage since removing your lawn?

No, due to new landscaping

11) What feedback have you received from friends or neighbors on your new landscaping?

All positive

12) Are there any additional comments that you would like to provide about the program?

Hopes the program continues. Has people asking about his landscape. His child's friends parents are looking into doing landscape similar to his.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Scanlan

Address: Oklahoma Avenue

Water Agency: Fontana Water Company

1.) How did you learn about this program?

Learned about program through Fontana Water. Phoned the district and was informed about the program.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Received packet and found it useful

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, requirements were clear

4.) Did you find the program easy to participate in? What could have been done better?

Yes, more information on plants and a wider range of plant suggestions should be included in the program

5.) Do you like your new landscaping?

Yes

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

Husband had the total amount spent on the project, doesn't know herself.

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes, the rebate helped finish the conversion of the yard which had been started the previous year.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____

Books Purchased book on native plants to the area. Doesn't remember title

Magazines _____

Websites _____

Other _____

10.) Have you seen a decrease in water usage since removing your lawn?

Yes, over a two year plan we have experienced a decrease in usage with the removal of the yard.

11) What feedback have you received from friends or neighbors on your new landscaping?

Very positive feedback

12) Are there any additional comments that you would like to provide about the program?

Should promote the program more

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Negrete

Address: Orleander Ave.

Water Agency: Fontana Water Company

1.) How did you learn about this program?

His brother found it online.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes, Mario helped out a lot.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in and was helpful.

5.) Do you like your new landscaping?

Yes, he doesn't have to worry about his mother forgetting to water.

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes, the landscape is complete.

7.) What was the total cost of your project? What is the estimated square footage of the project?

N/A

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____

Books _____

Magazines _____

Websites Web Search _____

Other Went to local city to see other landscaping. _____

10.) Have you seen a decrease in water usage since removing your lawn?

Yes, because there is no lawn and new drought tolerant plants.

11) What feedback have you received from friends or neighbors on your new landscaping?

Yes, he has helped friends about which plants best survive.

12) Are there any additional comments that you would like to provide about the program?

None.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Aceves

Address: Ramona Ave.

Water Agency: MVWD

1.) How did you learn about this program?

Mail

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes and it was useful.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the representative answered our questions; there was good communication with MVWD and RSABG.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in. It went pretty well.

5.) Do you like your new landscaping?

"Very much."

6.) Did you complete your landscaping project? If not, what still needs to be done?

The conversion is complete. We completed it on our own. Also, we would like to convert another area which is about 900 sq. ft. in the future.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$3,000.00 1,500 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes, I got the idea from the newsletter in the mail.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet

Books-from the library

Websites-City of Claremont website (plants)

Other -RSABG

10.)Have you seen a decrease in water usage since removing your lawn?

Yes, also installed an irrigation drip system.

11.)What feedback have you received from friends or neighbors on your new landscaping?

There have been compliments on the garden, friends want to do it as well but live in Los Angeles so would not qualify for the rebate.

12.)Are there any additional comments that you would like to provide about the program?

"A great project."

I was helpful to get money to do the conversion. Very happy with the results, received a lot of help going to RSABG and online to different websites.

Experienced great communication with MVWD.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Emons

Address: Howard St.

Water Agency: MVWD

1.) How did you learn about this program?

The information was in a folder that came with the water bill.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in.

5.) Do you like your new landscaping?

"Love it."

6.) Did you complete your landscaping project? If not, what still needs to be done?

The project is complete, went with the plants with rock design. Wants to do more conversion on the property but does not have enough time right now. They completed the project themselves.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$3,000.00

1,000 plus square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

The rebate gave her a nudge to complete the idea.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet

Websites –looked up WW plants

10.) Have you seen a decrease in water usage since removing your lawn?

Yes. Installed high efficiency toilets too but fins them more costly because it takes 2 flushes instead of one which uses more water.

11.) What feedback have you received from friends or neighbors on your new landscaping?

Received a lot of positive feedback from neighbors.

12.) Are there any additional comments that you would like to provide about the program?

“Pleased with the whole thing [rebate].”

“It gave us a nudge to go forward with an idea that we had already been considering.”

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Barrett

Address: E. Harvard Place

Water Agency: City of Ontario

1.) How did you learn about this program

Dave from Chino Basin Water District

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes she received the packet, it provided useful information to the contractor.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Resident said guidelines were fine.

4.) Did you find the program easy to participate in? What could have been done better?

Yes

5.) Do you like your new landscaping?

Yes

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$4,500 - Approximately 1100 square footage

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

- WaterWise Information Packet** _____
- Professional Contractor** _____
- Books** _____
- Magazines** _____
- Websites** _____
- Other** Residents nephew is a landscape architect.

10.) Have you seen a decrease in water usage since removing your lawn?

Yes (use first bullet) or **No** (use second bullet)

- If so, please check all of the following factors which may have caused you to use less water:
 - Installation of additional water savings devices
 - A decrease in household size
 - Other: _____
- If not, please check all of the following factors which may have caused you to use more water:
 - Establishment of new plants in place of grass
 - An increase in household size
 - Did not change the watering schedule after replacing grass
 - Did not alter the irrigation system after replacing grass
 - Swimming pool installation
 - Other: _____

11.) What feedback have you received from friends or neighbors on your new landscaping?

Resident said friends and family liked the landscape conversion.

12.) Are there any additional comments that you would like to provide about the program?

No

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Shreiner

Address: E. Willow St.

Water Agency: City of Ontario

1.) How did you learn about this program

Online – IEUA website

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes the packet was useful, it had a few ideas.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Resident said that he understood the guidelines.

4.) Did you find the program easy to participate in? What could have been done better?

Yes

5.) Do you like your new landscaping?

Yes

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes, resident was given an extension to complete assignment.

7.) What was the total cost of your project? What is the estimated square footage of the project?

Does not recall - Approximately 1100 square footage

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

- WaterWise Information Packet** _____
- Professional Contractor** _____
- Books** _____
- Magazines** _____
- Websites** _____
- Other** Resident did the work. _____

10.) Have you seen a decrease in water usage since removing your lawn?

Yes (use first bullet) or **No** (use second bullet)

- If so, please check all of the following factors which may have caused you to use less water:
 - Installation of additional water savings devices
 - A decrease in household size
 - Other: Resident has not been keeping track but he thinks that there was a savings over the summer months.
- If not, please check all of the following factors which may have caused you to use more water:
 - Establishment of new plants in place of grass
 - An increase in household size
 - Did not change the watering schedule after replacing grass
 - Did not alter the irrigation system after replacing grass
 - Swimming pool installation
 - Other: _____

11.) What feedback have you received from friends or neighbors on your new landscaping?

Resident said that neighbors gave compliments.

12.) Are there any additional comments that you would like to provide about the program?

No

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Riedel

Address: W. Flora St.

Water Agency: City of Ontario

1.) How did you learn about this program

A friend of Mr. Riedel told him about it, he said the friend saw it on-line.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes he received the packet but he already had landscaping ideas of his own.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Resident said guidelines were clear enough.

4.) Did you find the program easy to participate in? What could have been done better?

Yes

5.) Do you like your new landscaping?

Resident said he loves it, he doesn't have to water that often.

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$3,000 - Approximately 2600 square footage

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Yes

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

- WaterWise Information Packet _____
- Professional Contractor Resident hired a landscaping architect
- Books _____
- Magazines _____
- Websites _____
- Other _____

10.) Have you seen a decrease in water usage since removing your lawn?

Yes (use first bullet) or No (use second bullet)

- If so, please check all of the following factors which may have caused you to use less water:
 - Installation of additional water savings devices
 - A decrease in household size
 - Other: _____
- If not, please check all of the following factors which may have caused you to use more water:
 - Establishment of new plants in place of grass
 - An increase in household size
 - Did not change the watering schedule after replacing grass
 - Did not alter the irrigation system after replacing grass
 - Swimming pool installation
 - Other: _____

11.) What feedback have you received from friends or neighbors on your new landscaping?

Resident said that everybody loves the new landscaping area.

12.) Are there any additional comments that you would like to provide about the program?

Resident said that this program helped him to accomplish the ideas he had for his new landscape conversion.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Schoenwetter

Address: 2500 San Antonio Cres. East

Water Agency: SAWCO

1.) How did you learn about this program?

SAWCO Newsletter

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

no

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

yes

4.) Did you find the program easy to participate in? What could have been done better?

yes

5.) Do you like your new landscaping?

yes

6.) Did you complete your landscaping project? If not, what still needs to be done?

yes

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$ 2000.00 1425 square footage

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

yes

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

- WaterWise Information Packet** _____
- X **Professional Contractor** _____
- Books** _____
- Magazines** _____
- Websites** _____
- Other** _____

10.) Have you seen a decrease in water usage since removing your lawn?

Yes (use first bullet) or **No** (use second bullet)

- If so, please check all of the following factors which may have caused you to use less water:
 - Installation of additional water savings devices
 - A decrease in household size
 - Other: _____
- If not, please check all of the following factors which may have caused you to use more water:
 - Establishment of new plants in place of grass
 - An increase in household size
 - Did not change the watering schedule after replacing grass
 - Did not alter the irrigation system after replacing grass
 - Swimming pool installation
 - Other: _____

11.) What feedback have you received from friends or neighbors on your new landscaping?

Looks good

12.) Are there any additional comments that you would like to provide about the program?

Not at this time

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. White

Address: Shane St.

Water Agency: City of Upland

1.) How did you learn about this program?

City of Upland's website.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Received some information but she did a lot of research on her own.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes the program was easy to participate in.

5.) Do you like your new landscaping?

The landscaping is awesome. She receives compliments from everyone who walks by her house.

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes the landscaping is complete. She would like to remove more lawn in the yard so there is less turf for the future. She is continuing to investigate sprinkler heads which can be placed on a curve to waste less water.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$ 2,400.00 (w/ \$800.00 turf removal)

about 1,300 square feet removed

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

The rebate accelerated the timeframe to get the project done. They capped 1/3rd of their sprinklers, installed a weed barrier and covered it with bark. They discovered that it is cheaper to buy bark by the bag than at the wholesale price for the square footage.

Suggestions: To find a cheaper supply for bark and to provide a service for the turf removal.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet _____

Professional Contractor _____ to remove the grass only (\$800)

Books _____ Book Title: Home Landscaping: CA Region by Holmes Walheim

Magazines _____

Websites _____ CBWCD

Other _____ RSABG –visited for drought tolerant plant information and purchased some plants there

10.) Have you seen a decrease in water usage since removing your lawn?

Yes b/c of landscaping and capping off the sprinkler heads and replacing the rest of the sprinkler heads with more efficient ones to save water by not spraying water into the street on their parkway on a corner lot.

- If so, please check all of the following factors which may have caused you to use less water:
 - Installation of additional water savings devices
 - A decrease in household size
 - Other: _____

- If not, please check all of the following factors which may have caused you to use more water:
 - Establishment of new plants in place of grass
 - An increase in household size

- Did not change the watering schedule after replacing grass
- Did not alter the irrigation system after replacing grass
- Swimming pool installation
- Other: _____

11.)What feedback have you received from friends or neighbors on your new landscaping?

Positive feedback, receives compliments often as people pass by. Would like to receive a CA Friendly sign.

12.)Are there any additional comments that you would like to provide about the program?

"Great program to participate in." Welcome to take pictures anytime.

Suggestions:

- **Work on providing a service for cheaper bark**
- **Reduce the turf removal cost (factors: dumpster cost to haul it away, physically demanding for older people)**

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Mr. Hoss

Address: Winn Dr.

Water Agency: City of Upland

1.) How did you learn about this program?

Website or through my water bill.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Yes, received the information packet.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes, the requirements were clear.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in.

5.) Do you like your new landscaping?

I like the landscaping better than what was there.

6.) Did you complete your landscaping project? If not, what still needs to be done?

Yes, we wish to convert other areas on our property, which will hopefully take place now-March/April.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$ 1,500.00

1,000 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Absolutely, the rebate made it possible since we wanted to do this for a long time.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

WaterWise Information Packet

Books

Other – CA Friendly CD to assist us in the plant selection, visited the Mt. Fiji Nursery in Upland to purchase alternative plants that they did not have in stock from the CD, and his friend, a landscape architect, helped him.

10.) Have you seen a decrease in water usage since removing your lawn?

Yes, my water use went from 22 to 6 units. I installed High-Efficiency devices 6 years ago.

11.) What feedback have you received from friends or neighbors on your new landscaping?

Neighbors have commented on it several times and wish that they can do it.

12.) Are there any additional comments that you would like to provide about the program?

“Happy that the program was there.”

Suggestion: anonymously collect and publish water use information to show people how much water the program saved

The money that we saved is small but my decision to convert the landscape had to do a lot with doing the right thing so the region does not have to import so much water during this drought.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Jordan

Address: Shamrock

Water Agency: City of Upland

- 1.) How did you learn about this program?

Read about the program in the paper.

Suggestion: **Do more marketing for the program because older people don't always have internet access.**

- 2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

No, they received information once the inspection was completed so they did research on their own using the internet.

- 3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Poor communication with the Upland representative.

- 4.) Did you find the program easy to participate in? What could have been done better?

The program was not easy to participate in at all because Upland dropped the ball, the information packet was given to someone else and had to start the process all over again with someone else.

- 5.) Do you like your new landscaping?

"I love it."

- 6.) Did you complete your landscaping project? If not, what still needs to be done?

Planning on converting more landscaping on my property in the back and side yards but the program was put on hold.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$1,200.00 about 400 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

We were worrying about the water shortage and wanted to do our part in reducing our water consumption so the rebate made the difference to convert our lawn sooner than we had planned.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

Websites, came up with their own design themselves.

10.) Have you seen a decrease in water usage since removing your lawn?

Yes, installed individual sprinklers on their plants.

11.) What feedback have you received from friends or neighbors on your new landscaping?

They have received many compliments. People want to know where they got the idea from and who offered the rebate. Since they are across the street from an elementary school there is a lot of exposure, one-thousand plus families can see their property.

12.) Are there any additional comments that you would like to provide about the program?

"Great program".

Wishes that the program can be reinstated.

Can improve on communication and have more news coverage of the program.

Water Wise Residential Rebate Program Participant Follow-Up Survey

Applicant Name: Ms. Wasson

Address: Veterans Ct.

Water Agency: City of Upland

1.) How did you learn about this program?

Katie Parker at the Chino Basin Water Conservation District.

2.) Did your water agency representative provide you with an informational packet containing landscaping ideas prior to the start of your conversion? Was it useful?

Can't remember.

3.) Were the requirements for participating in the program clearly spelled out (i.e. time frame, square foot reimbursement, replacement materials, etc.)? What could have been done better to make these requirements clearer?

Yes the requirements were clearly spelled out.

4.) Did you find the program easy to participate in? What could have been done better?

Yes, the program was easy to participate in.

5.) Do you like your new landscaping?

"We love the new landscaping."

6.) Did you complete your landscaping project? If not, what still needs to be done?

It is not complete yet. We are still adding plants to the landscaping. Their plan is to expand the project and get rid of all the grass eventually.

7.) What was the total cost of your project? What is the estimated square footage of the project?

\$1,500.00 more than 1,000 square feet

8.) Did the rebate influence your decision to convert your landscape? If not, would you have done this on your own without a rebate?

Absolutely, they thought about converting their landscape prior to the rebate. The rebate really helped to move forward with their idea.

9.) What resources did you use to convert your landscape? (Please check all that apply, with a brief explanation of titles)

Other-Rancho Santa Ana Botanical Gardens, consulted with publications and spoke with staff about the plants and purchased plants there.

10.) Have you seen a decrease in water usage since removing your lawn?

Would imagine so. They have not installed other High Efficiency devices yet.

11.) What feedback have you received from friends or neighbors on your new landscaping?

Since the conversion took place in the backyard, the neighbors on the side of them watched the process take place and thought that it looked great. Their friends in Claremont want to participate in the program.

12.) Are there any additional comments that you would like to provide about the program?

- **To get the program going again.**
 - The program influenced our decision to execute of ideas to convert our landscape to a native garden and the rebate made our dream a reality.
- **Provide more education to the public.**
 - Show people examples of nice landscapes in hopes of getting more people interested as we did.

Member Agency Program Participation Materials

Mr/s. [name]
November 4, 2009

November 4, 2009

[name]
[address]

Water-Wise Residential Landscape Program – Approval for Award

Dear Mr/s. [name]:

Congratulations! You have been approved for the award of a \$[x] **rebate** for the removal of [x] square feet of grass from your property through our regional Water-Wise Residential Landscape Program.

As the retail water agency representative for the Program, I visited your property on xxx, xxx xth to conduct the Post-Site Inspection, and was able to certify that your site is in compliance with Program requirements (see attached form and photos). I then immediately forwarded your information to Inland Empire Utilities Agency.

You should receive your check in the next couple of months. Please contact me directly at (909) 267-2116 or jscottcoe@mvwd.org if you do not receive your check within a reasonable time-frame, or if you have any further questions about this or any other water use efficiency programs available to our customers.

Thank you once again for participating in the Water-Wise Residential Landscape Program!

Sincerely,

Monte Vista Water District

Justin M. Scott-Coe
Public Affairs Specialist

cc: Mindy Sanchez, Administrative Coordinator, Inland Empire Utilities Agency
Elizabeth Hurst, Water Resource Technician, Inland Empire Utilities Agency

Encl: Copy of Completed Post-Site Inspection Form and Photos

Mr/s. [name]
November 4, 2009

November 4, 2009

[name]
[address]

Water-Wise Residential Landscape Program – Follow-up to Pre-Site Inspection

Dear Mr/s. [name]:

It was a great pleasure to visit your home at xxx on xxx, xxx xth to conduct the Pre-Site Inspection for the regional Water-Wise Residential Landscape Program.

According to my onsite measurements and photographs, the potential size of your turf removal site is [x] square feet, which is above the minimum 400 square foot requirement for the program. At \$2.00 per square foot up to 1,000 square feet total, you can expect to receive a rebate of \$[x], conditioned upon your successful conversion of the entire / at least 1,000 square feet of the identified turf removal site to non-turf plants and permeable materials.

REMEMBER: The conversion must be completed no later than XXX x, 2009!

Once you have completed your landscape conversion, please contact me directly at (909) 267-2116 or jscottcoe@mvwd.org to schedule a Post-Site Inspection. Once I certify that the conversion site is in compliance with program requirements, I will immediately forward your information to Inland Empire Utilities Agency who will cut you a check for your rebate.

Please refer to the Water-Wise Residential Landscape Program Guide, included in the packet of materials I gave you during the Pre-Site Inspection, for a review of the program requirements and hints on converting your lawn to California Friendly® landscaping. I have enclosed copies of your application, Pre-Site Inspection form, photos taken at your residence, and Montclair/Chino Municipal Code language regarding landscape appearance for your reference.

Finally, during the Pre-Site Inspection you expressed interest in participating in a free landscape irrigation evaluation from Chino Basin Water Conservation District. In order to receive this free evaluation, the Conservation District requests that you fill out and sign the attached agreement, which you can return directly to me in the enclosed stamped envelope. Please let me know if you have any questions about this program.

We thank you for your participation in the Water-Wise Residential Landscape Program!

Respectfully,

Monte Vista Water District

Justin M. Scott-Coe
Public Affairs Specialist

Mr/s. [name]

November 4, 2009

cc: Mindy Sanchez, Administrative Coordinator, Inland Empire Utilities Agency
Elizabeth Hurst, Water Resource Technician, Inland Empire Utilities Agency

Encl: Copy of Signed Water-Wise Residential Landscape Program Application and Agreement
Copy of Completed Pre-Site Inspection Form
Site Photographs
Chino Basin Water Conservation District Landscape Evaluation and Audit Agreement
w/ Stamped Return Envelope
Montclair/Chino Municipal Code Language on Landscape Appearance

Mr/s. [name]
November 4, 2009

November 4, 2009

[name]
[address]

Water-Wise Residential Landscape Program Reminder

Dear Mr/s. [name]:

It was a great pleasure to visit your home at xxx on xxx, xxx xth to conduct the Pre-Site Inspection for the regional Water-Wise Residential Landscape Program.

According to my onsite measurements and photographs, the potential size of your turf removal site is [x] square feet, which is above the minimum 400 square foot requirement for the program. At \$2.00 per square foot up to 1,000 square feet total, you can expect to receive a rebate of \$[x], conditioned upon your successful conversion of the entire / at least 1,000 square feet of the identified turf removal site to non-turf plants and permeable materials.

REMEMBER: The conversion must be completed no later than XXX x, 2009!

Once you have completed your landscape conversion, please contact me directly at (909) 267-2116 or jscottcoe@mvwd.org to schedule a Post-Site Inspection. Once I certify that the conversion site is in compliance with program requirements, I will immediately forward your information to Inland Empire Utilities Agency who will cut you a check for your rebate.

Please refer to the Water-Wise Residential Landscape Program Guide, included in the packet of materials I gave you during the Pre-Site Inspection, for a review of the program requirements and hints on converting your lawn to California Friendly[®] landscaping. I have enclosed copies of your application, Pre-Site Inspection form, photos taken at your residence, and Montclair/Chino Municipal Code language regarding landscape appearance for your reference.

Finally, during the Pre-Site Inspection you expressed interest in participating in a free landscape irrigation evaluation from Chino Basin Water Conservation District. In order to receive this free evaluation, the Conservation District requests that you fill out and sign the attached agreement, which you can return directly to me in the enclosed stamped envelope. Please let me know if you have any questions about this program.

We thank you for your participation in the Water-Wise Residential Landscape Program!

Respectfully,

Monte Vista Water District

Justin M. Scott-Coe
Public Affairs Specialist

Mr/s. [name]

November 4, 2009

cc: Mindy Sanchez, Administrative Coordinator, Inland Empire Utilities Agency
Elizabeth Hurst, Water Resource Technician, Inland Empire Utilities Agency

Encl: Copy of Signed Water-Wise Residential Landscape Program Application and Agreement
Copy of Completed Pre-Site Inspection Form
Site Photographs
Chino Basin Water Conservation District Landscape Evaluation and Audit Agreement
w/ Stamped Return Envelope
Montclair/Chino Municipal Code Language on Landscape Appearance

Participant Educational Materials



ater-Wise

Residential Landscape Program



Where to Begin

Pg. 2

Quick Tips for
Landscaping Success

Pg. 3

Simple Solutions for
Trouble Spots

Pg. 4

Importance of
Timing*

Pg. 5

*Information Provided by Southern Nevada Water Authority

Dear Homeowner,

Thank you for your interest in Water-Wise Landscaping! With Southern California continually experiencing record dry years, efforts to conserve water are becoming more crucial than ever. Studies show that 60-90% of residential water use in the Inland Empire area is used for outdoor irrigation, and planting a California Friendly® landscape is one of the many ways to help conserve water.

Creating a lush, yet water-efficient landscape can be a challenge. Plant choices and watering systems should be catered to your specific landscaping needs. Whether you choose to work with a landscape professional or do it yourself, this packet is a guide to help you make the right decisions about your yard. Provided are a variety of resources, plant guides, and sample landscape designs to help you decide what changes will work best for you.

Water-Wise Facts*

- Southern California is an arid semi-desert: the Inland Empire received 3.21 inches of rain in 2007.
- Lawns require more than 4 times the amount of water than Water-Wise Landscapes (73 v. 17.2gal)
- The California Friendly® Garden is a slice of California's past, filled with the native and California Friendly plants perfectly suited to our mild winters and warm, dry summers (www.bewaterwise.com). Characteristics include:
 - Improved soil fertility & water percolation
 - Use of pervious surfaces
 - Native and water wise plants and trees
 - Smart irrigation controllers and low volume irrigation heads
 - Mulch or warm season turf
 - Proper site planning and maintenance
- California Friendly® landscaping can result in as much as 50% outdoor water consumption reduction
- It is environmentally friendly



*www.aquafornia.com

With Inland Empire Utilities Agency's help, changing your landscape won't seem overwhelming. Check out the following FREE resources included in this packet and on the web:



Metropolitan Water District:

Visit Metropolitan Water District's www.bewaterwise.com for inspiration and information about how to create a Water-Wise California Friendly® garden.

Ten Great Native and California Friendly Plants: Take a look at the top ten native and California Friendly® plants that are low maintenance, require little to no water, and attract native birds and butterflies.

The Beauty of Natives: This booklet shows some beautiful examples of how California Natives can be incorporated into your garden for lush and stunning results without the water. For additional gardening tips and inspirational photographs visit www.sunset.com.



Backyards from the Ground Up: Before you begin designing your new garden, use the tips in Backyards from the Ground Up. This booklet offers useful tips to keep in mind when designing your Water-Wise garden to ensure that your garden meets your needs.

Water Smart Sample Designs: The Water-Smart Sample Designs offers a variety of professional designs created for the Southern Nevada Water Authority to create a beautiful Water-Wise garden suited to your lifestyle.

Inland Empire Utilities Agency Website:

For additional information about additional rebates offered, water conservation tips, as well as efficient landscape planning visit IEUA's website at www.ieua.org and additional tips at www.ieua.org/alliance.

*Don't Know
Where to
Begin?*

Sometimes the biggest obstacle to creating your own Water-Wise landscape is just getting started. Whether you work with a landscape professional or do it yourself, keep these steps in mind.

- 1. MAKE A PLAN AND BUDGET.** Write down a wish-list of what you want from your landscape. Do you entertain, need play areas for kids or a pet to run? How about a backyard retreat or a wildlife habitat? Look for opportunities to create shade, borders, walking paths and hardscapes. Remember, if the only time you walk on your grass is to mow it, it may be time to replace all or some of it with water-smart landscaping. Prioritize your wish-list with a budget in mind.
- 2. WALK YOUR YARD.** Look at soil conditions and drainage patterns. Really walk through your landscape. Look at views you want to protect, enhance or screen. Determine if you will need to adapt your irrigation system and replace sprinklers with drip emitters, especially if you are replacing grass with water-smart plants and trees. Locate utility lines and call before you dig.
- 3. FIND YOUR STYLE.** Collect ideas that capture your style. Visit area demonstration gardens such as the Chino Basin Water Conservation District Gardens, Rancho Santa Ana Botanic Garden, or the Maloof Gardens for inspiration. Make a list or save pictures of plant combinations, hardscapes or design ideas you like.
- 4. PLOT YOUR PLAN.** Create a bird's-eye view of your lot using grid paper to place all existing features to scale. (Typical for an average-size property is 1 inch drawn on paper equals 8 feet in your landscape). Most graph paper is pre-measured with eight squares to the inch.
- 5. DECIDE IF YOU NEED HELP.** If you're not the do-it-yourself type, consider hiring a landscape professional.
- 6. SAVE MATURE, HEALTHY TREES.** If your trees are healthy and water-smart, protect them during a landscape conversion and don't cut through roots while removing grass.
- 7. BUY STARTER PLANTS.** Plants in 1-gallon containers cost far less than larger plants, use less water initially and grow in a season or two. Plant in spring or fall to give plants a good start before the heat of summer.
- 8. DON'T FORGET MULCH.** Whether organic (such as wood chips) or inorganic (rock or crushed granite), mulch provides more than visual interest. It covers and cools soil, discourages weeds and reduces water lost to evaporation.
- 9. BE FLEXIBLE; HAVE FUN.** Remember, all good things come in time. Whether you're a constant gardener or a barely green thumb, your landscape may be a work in progress, but the end result will have lasting benefits.
- 10. CONTACT YOUR PROGRAM REPRESENTATIVE ONCE YOU HAVE COMPLETED YOUR LANDSCAPE.** Qualified participants earn a rebate of \$2.00 per square foot up to a \$2,000 maximum per residential site to convert turf to California Friendly® landscaping.



10 steps to LANDSCAPING success

Turn trouble to terrific

Six Simple Landscaping Solutions for Trouble Spots

1 PROBLEM: Standing or pooling water on grass.

SOLUTION: Check first for a leak or broken or blocked sprinkler or emitter. If the problem results from improper drainage, replace grass with a dry creek bed of river rock accented with boulders and border plants or groundcover such as Lantana. The effect not only helps to manage drainage, but also adds a focal point that requires little maintenance.

2 PROBLEM: Sloping yard causes runoff from sprinklers.

SOLUTION: Form different elevations through terracing or raised planter beds, which also add interest. Use stacked stones or pavers to border and build up the terraces, and fill the planters with water-smart plants. Try Trailing Sapphire Lobelia and Mexican Evening Primrose for color and variety, or create an herb garden.



3 PROBLEM: Grass against house or wall causes water damage from sprinkler overspray.

SOLUTION: Form a water-smart border with the width of one row of sprinkler heads and replace sprinklers with drip emitters. Plant groundcover and shrubs. If you're including trees, allow room for growth. Fill the surrounding area with mulch such as rock or bark chips. The results also break up the monotony of grass by adding color and texture.

4 PROBLEM: Block wall lacks interest.

SOLUTION: Add a trellis or a climbing vine like Cat's Claw or Lilac Vine to mask the wall with water-smart color and greenery.

5 PROBLEM: Plants or trees are wrong for the Location.

SOLUTION: Plan for growth and, remember, less is more. Adding more plants later is much easier than removing overgrown plants or trees. Before planting, check the tree's canopy at maturity and plan for future growth. Remember, the roots also need space for development.

6 PROBLEM: Irrigation system doesn't water landscape efficiently.

SOLUTION: Adapt your system for what it is watering. Sprinklers are for grass. Drip emitters work well for almost everything else. Check for blocked or broken emitters, and design your irrigation system with the flexibility to grow as plants mature.

Whether you prefer to make enhancements yourself or hire a professional, visit www.bewaterwise.com to learn more about water-smart landscaping. The beauty of water-smart landscaping is in its ability to provide solutions and offer year-round variety.

Timing is Everything:

Set Your Sprinkler Clock for a Healthier, More Water-Efficient Landscape

- Check your pre-set watering times on your irrigation clock. Sample pre-set watering times for sprinklers would be 3 a.m., 4 a.m. and 5 a.m., with each cycle running for about 4 minutes. This “cycle and soak” method of short, yet frequent bursts of water avoids pooling water and runoff.
- Every landscape is different, so monitor your irrigation system to avoid overwatering.



- Water before sunrise from May to October to minimize water lost to evaporation.
- Don't water when it's windy or rainy. Water your plants, trees and shrubs on a separate schedule from your lawn. Plants on drip emitters need less frequent, but deep watering.
- Adjust your irrigation clock to reflect the daylight saving time change. It's also a good time to check the battery.
- Purchase a smart controller and you may qualify for a rebate from IEUA. Smart controllers automatically adjust watering schedules by monitoring weather or soil moisture and can reduce outdoor water use by up to 30 percent. Log onto www.ieua.org to determine if you qualify and to request further information.
- Not sure how to program your clock? Find helpful tips on www.ieua.org as well as links to most irrigation clock manufacturers and online manuals.



Ten Great Native and California Friendly Plants

bewaterwise.com



7) Concha California Lilac

Ceanothus 'Concha'

The concha is a lilac that blooms in spring with clusters of flowers in white and every shade of blue from very light to deep violet. Generally an evergreen, the concha comes in all shapes and sizes including low and spreading, tightly grouped and bushy, and standing-up and angular. Only a few varieties lose their leaves in cold weather. They require full sun and little or no water.



8) Toyon

Heteromeles arbutifolia

Toyon is also known as Christmasberry or California Holly for its brilliant red berry clusters from November through January. It's a large evergreen shrub, with thick, leathery, glossy green leaves 2-4 inches long. It has small white flowers in flattish clusters, which bloom June through July. Toyon requires moderate water and full sun or partial shade. It attracts birds.



9) Seaside Daisy, Beach Fleabane

Erigeron glaucus

Another native Californian, this free-blooming plant has daisy-like flowers in white, pink, lavender or violet with blue-green foliage and stems. It flowers in the spring and summer and grows in clumps about 1 foot high and 1 foot wide. It likes full sun or light shade and takes moderate water.



10) Hummingbird Sage

Salvia spathacea

This hardy, small clumping sage is a magnet for hummingbirds because of its light, fruity aroma. It attracts the eye too with its scalloped, wrinkled leaves and flower stems that rise 2-3 feet above the leaves. In spring, spiked flowers bloom in red and pink, and turn deep fuchsia. This sage prefers shade to partial sun and requires moderate water.

Authentic California is hard to find outside these days. That's because we've filled our landscapes with palm trees and showy tropical flowers and manicured lawns to create the look of an island paradise or English garden. In doing so, we have changed the look, the feel, the smell and even the sound of our landscape.

A heritage garden is filled with **native and California Friendly** plants perfectly suited to our mild winters and warm, dry summers. These plants thrive because they live here too. They are low maintenance, use little to no water, don't need soil preparation or fertilizing, and even attract native wildlife like birds and butterflies. Here are some favorites to start with. There are thousands more to choose from. Visit bewaterwise.com for a more complete catalogue of plant possibilities.



1) Deer Grass
Muhlenbergia rigens

This native California grass is narrow-leaved and forms a dense clump up to 4 feet high and wide. The bright green leaves are joined by spiky yellow or purple flowers in autumn that stand tall at first, and lean a little later, rising two feet above the leaves. The deer grass is drought tolerant and does best with little to moderate water in full sun or light shade. An added bonus: deer grass attracts helpful garden bugs like spiders and ladybugs.



4) Tree Mallow
Lavatera bicolor

Easy-to-grow, year-round flowering shrub with abundant beautiful lavender/pink blooms highlighted in maroon. This variety grows to 6 feet tall and others can grow as high as 12 feet tall and wide. An evergreen, the tree mallow requires full sun and little to moderate water. It is a very fast grower, reaching 5 to 10 feet in its first year from seed.



2) Coral Bells or Alum Root
Heuchera

Slender, spiky stems of loose, small bell-shaped flowers grow from clumps of round scalloped leaves. The delicate blossoms come in shades of red, coral, rose pink, greenish and white. Most varieties bloom between early spring and late summer, with some lasting until fall. They work great in cut arrangements and are long-lasting. In warmer areas, they do best with afternoon shade and moderate to regular water. And, hummingbirds like them.



5) Douglas Iris
Iris douglasiana

This easygoing and easy-growing iris is native to the California coast from Santa Barbara to Oregon. A spring bloomer, the Douglas Iris has evergreen leaves and long stems up to 2 feet tall that are sometimes branched and crowned with purple and blue shaded flowers. They like sun to light shade and moderate to little water in summer with well-drained soil. There are as many as 300 species of irises, with varying water needs, appearances and blooming times.



3) Baby Blue-Eyes
Nemophila hydrophylloceae

With a charming name and abundant blossoms, the "Pennie Black" variety produces blackish purple flowers rimmed in white. Other varieties, more true to their name, are sky-blue blossoms. The plants grow in full sun or partial shade, require moderate water, and grow 6 to 12 inches high with a trail to 1 foot wide. The bell-shaped flowers bloom in spring and the ferny leaves give the plants a delicate look.




6. Emerald Carpet Manzanita
Arctostaphylos 'Emerald Carpet'

This native Californian provides a dense green carpet of groundcover between 8 and 14 inches high, spreading out about 5 feet. Leaves keep their bright green hue even in the hottest, driest weather. Small pink or white flowers bloom in the late winter and spring, followed by berrylike red or brown fruits that attract birds. There are many different varieties of manzanita; all are evergreen, take full sun or light shade and require little to moderate water.

Maloof Discovery Garden



Sam and Alfreda Maloof Foundation for Arts and Crafts
5131 Carnelian St., Alta Loma CA 91701, (909) 980-0412
visit the garden at www.malooffoundation.org



A front garden in Vista, CA, mixes native shrubs such as mimulus, woolly blue curls, and *Arctostaphylos* 'Sunset'.
DESIGN: Greg Rubin, Escondido, CA (760/746-6870)

How to choose and use plants that are most at home in the West

Native plants are suddenly chic. They've certainly been "in" before; every time the West faces a serious drought, we rediscover indigenous plants. Then the danger passes, we go back to our old habits, and natives fall "out" again. The current wave of popularity seems different, though. More permanent somehow. It's no wonder—native plants are the perfect choice for easy-care gardens with regional appeal.

BY SHARON COHOON
AND LAUREN BONAR SWEZEY

The Beauty of Natives



Growing natives doesn't have to be an all-or-nothing proposition; you can have sagebrush and a patch of lawn too, just not side by side. Here are ways to incorporate natives into your landscape. Consult the *Sunset Western Garden Book* for climate zones and more ideas suited to your area. **Perimeter plants.** Plant natives that have low irrigation needs, like brittlebush or ceanothus, on the edges of your property, then spend your water on a more oasis-like planting closer to the house. Or, if you have a wilderness view, use some of the same

plants that grow naturally nearby on your property's borders. **Problem-solvers.** Some natives solve common landscape problems. To help stabilize slopes, try mahonia, manzanita, *Ribes*, or sumac. For dry shade, consider bush anemone, Pacific Coast iris, or Western sword fern. Where resistance to oak root fungus is needed, try bush anemone, Catalina cherry, or spice bush. Near windy coasts, where salt spray is a problem, use coyote brush or lemonade berry. **Water-tolerant natives.** Some natives will not tolerate summer

water at all (flannel bush is notorious for this). But many others happily adapt to a regular garden irrigation regime: coral bells, monkey flowers, wild strawberry, Western columbine, and wild ginger are examples. Match the plant's water needs to the conditions in each part of your garden. **Mediterranean mates.** Western natives and Mediterranean plants like similar growing conditions, but many Mediterraneans tend to bloom later than natives—late spring and summer. Combining the two gives you a longer season of interest.

A Paradise Valley, AZ, garden mixes agaves and cactus with desert marigold and a palo verde tree. DESIGN: Marcus Bollinger, Phoenix (602/619-5245)

LEFT: STEVEN GUNTHER

LEFT: NORA PLATE, RIGHT: SAXON MOLT



Why natives?

■ **They look Western.** Many people in the West have grown up with hikes in the hills and summer camp-outs, and we want our gardens to be extensions of those adventures. Instead of copying English cottage gardens, we want our own little bit of wilderness.

■ **Many natives smell like the Wild West.** Cleveland and white sage, creosote bush and brittlebush, pine and redwood, for instance, are filled with resins and release their scents on warm afternoons. Think of it as free aromatherapy.

■ **They can attract wildlife.** Birds and butterflies are at home in native plant gardens because many of the plants are rich in nectar or seed. Homeowners who grow these plants are used to hearing comments like "Why does your garden get all the birds in the neighborhood?" Children who grow up in these gardens learn to be curious about insects and lizards instead of fearful. It's like having a life-science lab in your backyard.

■ **They're low-maintenance.** Don't bother amending the soil—natives are adopted to it. Forget fertilizer; they rarely need it.

Vine maple, native to moist Northwest woods, glows like embers in fall.

California natives to plant

Native plants are wise additions to California gardens. The nine beauties pictured here are naturally suited to our rainy-winter, dry-summer climate. And where water is scarce, they're especially appropriate; most of them can thrive on rainfall alone. Some attract butterflies or

hummingbirds. Just give the plants what they need—the right exposure and well-drained soil. If you start with nursery-raised plants, remember that even drought-tolerant natives need to be watered during the dry season for a year or two until they're established.



Bush anemone

(*Carpenteria californica*) Evergreen; 4 to 6 feet tall. Clusters of scented white flowers with yellow centers in late spring and summer; dark green leaves. Shade to sun; little to moderate water. Climate zones 7–9, 14–24.



California fuchsia

(*Zauschneria californica*) 1 to 2 feet tall. Orange-red flowers in late summer and fall; grayish leaves. *Z. c. latifolia* 'Everett's Choice' has brood green leaves. Partial shade to sun; little water. Zones 2, 3, 7–9, 11, 14–24.



Ceanothus

Many kinds, from groundcovers to small trees. Blue or white flowers in winter or spring. Most prefer sun. Little to no water. Zones 7–9, 14–24 (with some exceptions). *C.* 'Blue Jeans', tolerates summer watering.



Cleveland sage

(*Salvia clevelandii*) Evergreen; 3 to 5 feet tall. Whorls of 1-inch-long flowers in summer; gray-green leaves. 'Winnifred Gilman' has dark blue flowers. Sun; little water. Zones 8, 9, 12–24.



Coral bells

(*Heuchera*). 1 to 2 feet tall. Small white or pink flowers on 1½- to 3-foot-tall stems in spring. *H. micrantha* 'Palace Purple' has purple leaves; *H. maxima* makes a good groundcover. Partial to full shade; moderate to regular water. Zones vary.



Matilija poppy

(*Romneya coulteri*) 6 to 8 feet tall. 9-inch-wide white flowers with yellow centers appear late spring into summer. Spread by underground runners; dig and discard unwanted clumps. Little to no water. Zones 7–9, 14–24; H1.



Scarlet monkey flower

(*Mimulus cardinalis*) 2½ feet tall. 1½- to 2-inch-long tubular, scarlet flowers in summer; sticky green leaves. Sun or shade; regular water. Zones 2, 3, 7–9, 11, 13–24.



Woolly blue curls

(*Trichostema lanatum*) Evergreen; 3 to 5 feet tall. Blue flowers on long stalks appear in spring to early fall; narrow green leaves. Little to no water. Zones 14–24.

RIGHT: ANDY WASOWSKI; CLOCKWISE FROM TOP LEFT: MARION BEHMER, MARY TURNER, ANDREW DEANE, CHARLES MARSH, SAVOHL HOLY, C. H. DEIDRA WALPOLE, C. H.



Planting tips

Follow these guidelines to ensure that native plants will thrive.


■ **Plant at the right time.** In mild-winter climates: You can plant natives any time of the year, but the best time is fall through early spring, when cool and rainy weather allows plants to establish themselves more easily. In cold-winter climates: Plant in early fall, stopping six weeks before the ground freezes, or in spring after the ground thaws (after last frost for tender plants).

■ **Check soil drainage.** Many natives need well-drained soil. Before planting, test the soil by digging a hole (ideally 2 ft. deep) and filling it with water. After it drains, fill it again; if the soil drains slowly the second time (taking an hour or more), plant in raised beds or use plants suitable for heavy soil.

■ **Forget soil amendments.** In most areas, there's no need to add amendments such as compost to the soil at planting time. Set the plant in a planting hole and backfill with native soil. If the topsoil has been scraped off or the soil is compacted, replace $\frac{1}{3}$ of the native soil with well-composted organic matter.

■ **Water carefully.** All native plants need regular water the first season. If rain is sparse, water deeply once a week (less often on the coast, more often in the desert or in sandy soil) to encourage deep rooting. Slowly reduce watering frequency as plants become established. 🌵

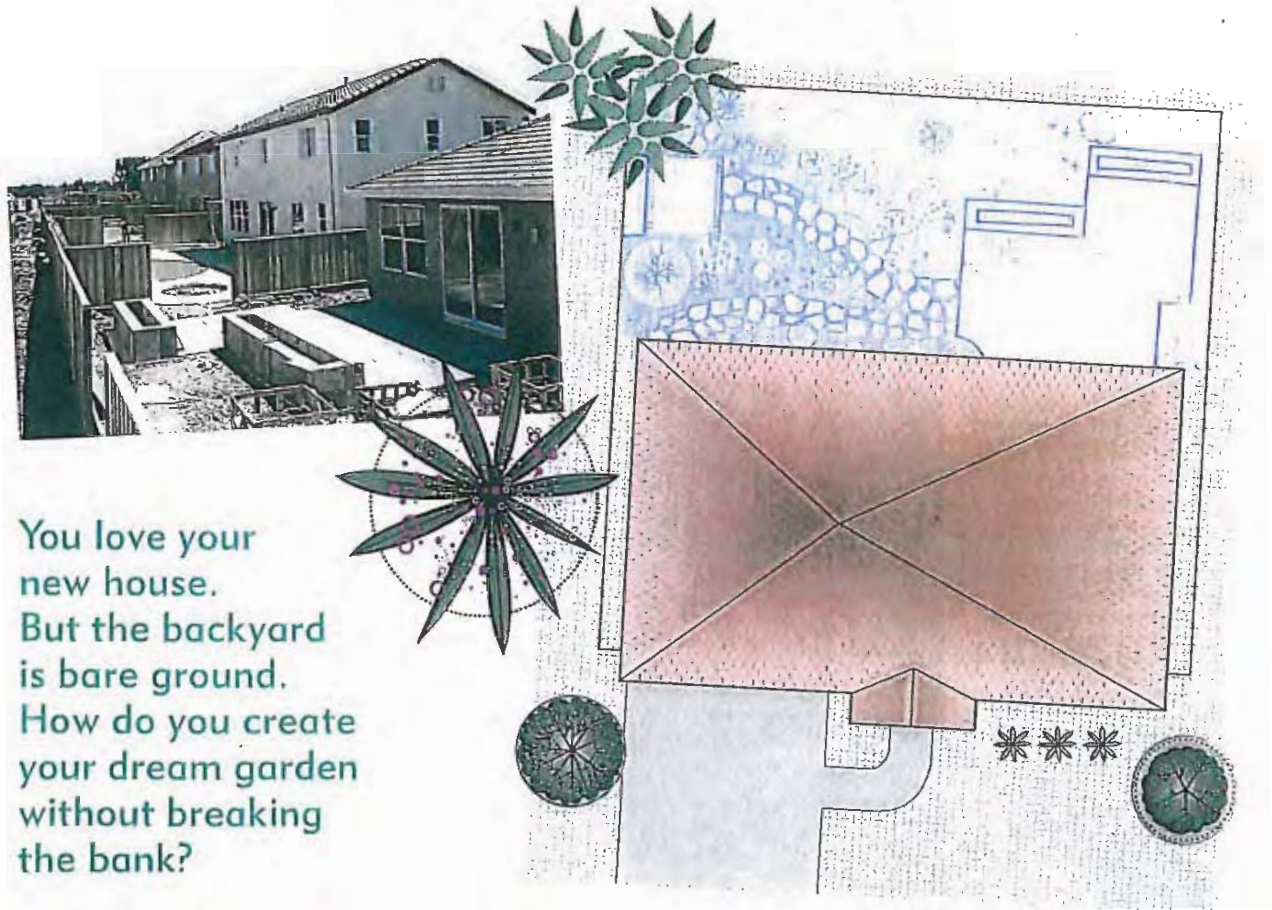
Desert beard tongue (*Penstemon pseudospectabilis*), a shrubby, upright plant to 4 feet tall with rosy pink flowers, is one of many penstemons native to various parts of the West.



Late fall is an excellent time to plant natives. If you've never grown them before, follow this advice from Valerie Phillips, nursery manager at Los Pilitas (9-4 Mon-Sat; 8331 Nelson Way, Escondido; 760/749-5930), a native-plant specialty nursery: Ease into it. Choose two or three species that will coexist with the plants already growing in your garden. Once you see how easy natives are, you'll want to grow more of them. Visit www.bewaterwise.com, sponsored by the Metropolitan Water District of Southern California, for data on and photos of 1,500 native and California-friendly plants.

Golden blooms cover flannel bush (*Fremontodendron*), a native California shrub, in spring.

Backyards from the Ground Up



You love your new house. But the backyard is bare ground. How do you create your dream garden without breaking the bank?

Around the West, in cities and suburbs, big houses on small lots mean one thing: Space for outdoor living is diminishing. *Sunset* staff members tackled this problem by designing gardens for four model homes in the Esperanza Estates development in Esparto, near Davis, California. Their goal was to provide a variety of affordable landscape designs for modest backyards (about 60 by 30 feet) on a budget of roughly \$15,000 each for materials, plus installation. The gardens—all on challenging sites, with wind, hot sun, and shade near the house—had to be easy to maintain and simple to modify as the future owners' needs change.

GARDEN #1

A low-maintenance landscape for couples without kids

DESIGN: JULIE CHAI

What would be the ideal garden for empty nesters or a young couple in their first home? An area for entertaining and a personal retreat for rejuvenation would

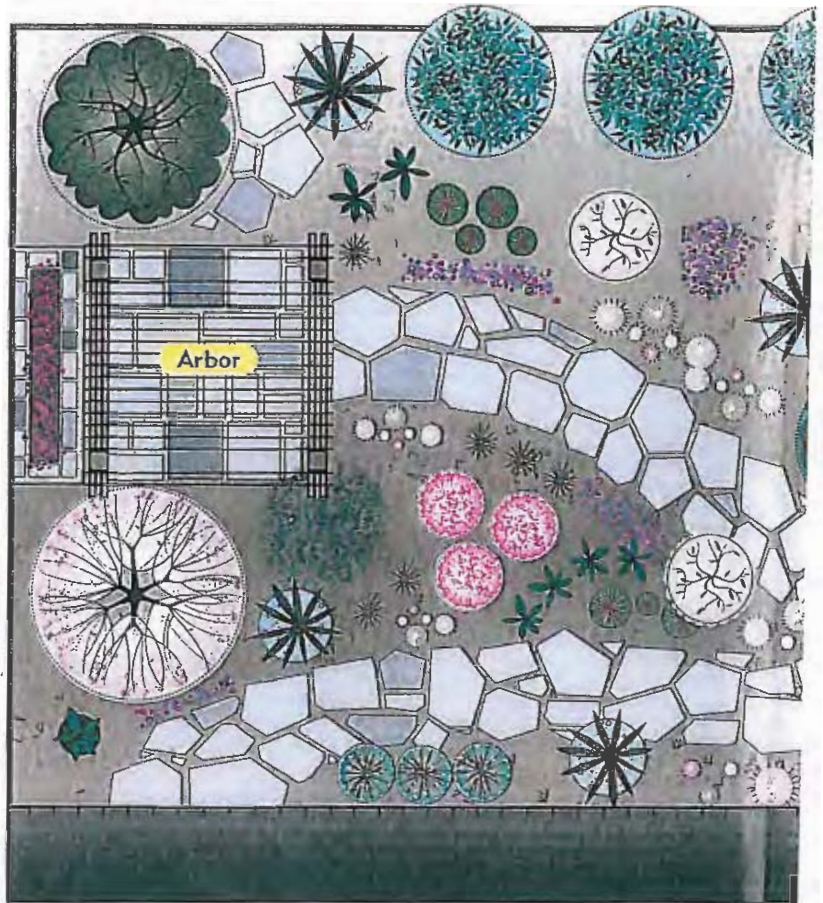


top the list, so the plan pictured here reserves room for both. The backyard was con-

ceived as a place of serenity—which its wandering pathways, relaxing views, and fragrant plants provide.

On one side of the garden, a spacious entertainment patio is easily accessible from the family room and kitchen. On the other side, set as far away as possible from the home's primary activity centers, is a smaller patio shaded by an arbor.

Low-care perennials that bloom over a long period yet require little water—catmint, lamb's ears, penstemon, salvia, and Santa Barbara daisy—fill much of the garden. Near windows and gathering spots are plants that add delicious scents to the air: jasmine, lemon, osmanthus, and sarcococca.



Key elements

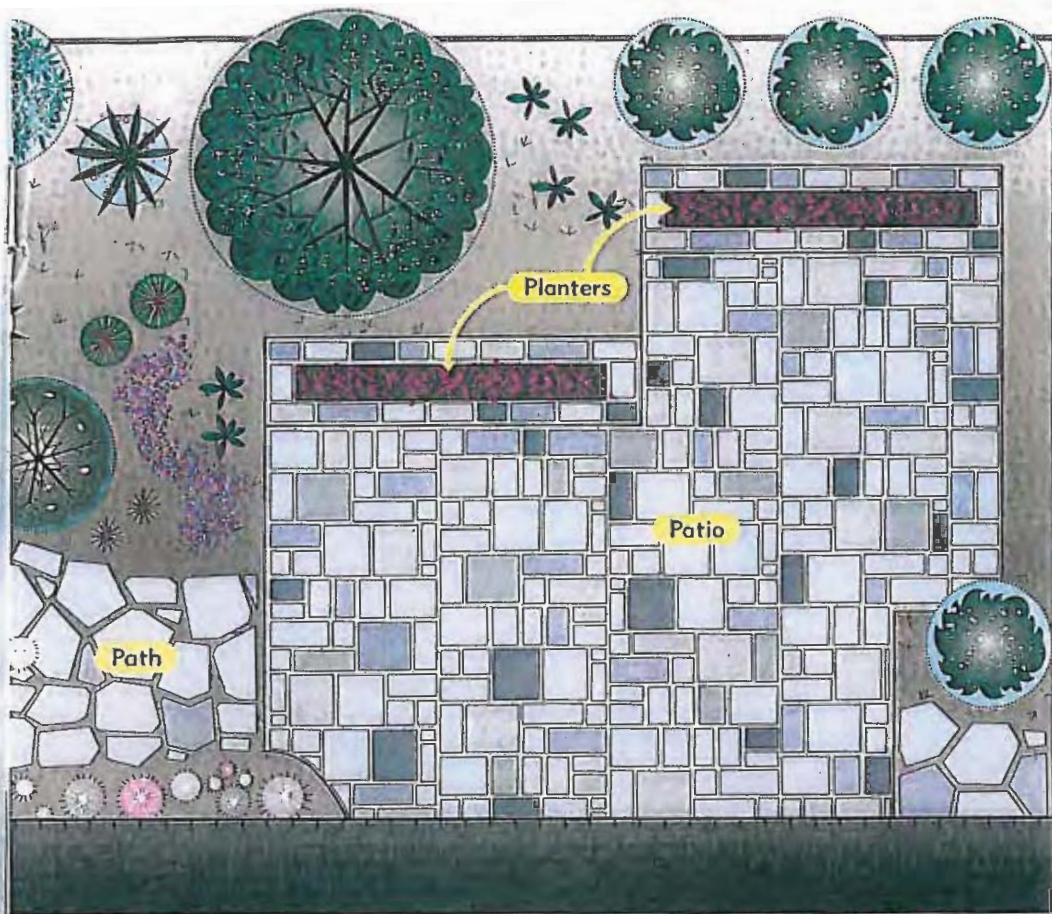
■ **Arbor.** Made of redwood and copper, the arbor shelters a small patio just big enough for two. Set away from the house and from the garden's main activity hubs, it's a perfect retreat for cozy morning coffees or for relaxing at day's end with a glass of wine.

■ **Path and patios.** Kashmere slate used for the patios and for paths that connect them visually links the garden's various "rooms." The path's dry-laid pavers are placed randomly, rather than uniformly as on the patios. The slate complements the home's steel gray color.

■ **Planters.** Raised beds, covered with slate pavers to match the patio, provide room to grow herbs, veggies, and cutting flowers. The beds are close to the kitchen for quick harvests, and elevated for ease of tending.



A simple, elegant arbor is the focal point at one end of the garden. The planter behind is filled with fragrant vines; two 'Royal Cape' plumbagos in red pots flank the front posts.



Where two paths come together, the slate pavers enclose a planting of colorful perennials, including coneflower, lomb's ears, and purple verbena.



Planters are stocked with perennials in shades of purple and pink: fragrant lavender and *Verbena lilacina* (foreground), and ruby snapdragon and trailing green bacopa (rear).

Getting started

- **Consider your needs.** Determine the activities that are most important to you and your family: relaxation, sports, growing edibles and flowers? What features does your family most want: a pool, spa, fountain, or outdoor barbecue or kitchen? Look for ideas in magazines and books.
- **Study light conditions.** Watch the sun and shade patterns at different times of the day in both summer and winter. Where does the sun rise and set? Does the house shade the garden in winter? What about nearby trees and other structures?
- **Check the soil.** The quickest way to determine how well the soil drains is to dig a 2-foot-deep hole and fill it with water. After it drains away, fill it again. If the water doesn't drain away in several hours, the soil is poorly drained. A hardpan or impervious layer of soil (called caliche in the Southwest's low deserts) might be the cause. You can break it up if it's shallow. Otherwise, install tile drains to direct excess water away from patios and plantings.
- **Determine your climate zone.** How much rainfall do you get? What are the minimum and maximum temperatures? Look in the *Sunset Western Garden Book* for your climate zone.
- **Choose a theme.** It can be based on a color scheme or house style (Mediterranean, tropical, or Japanese, for instance).

GARDEN #2

A landscape for a family with small children

DESIGN: LAUREN BONAR SWEZEY

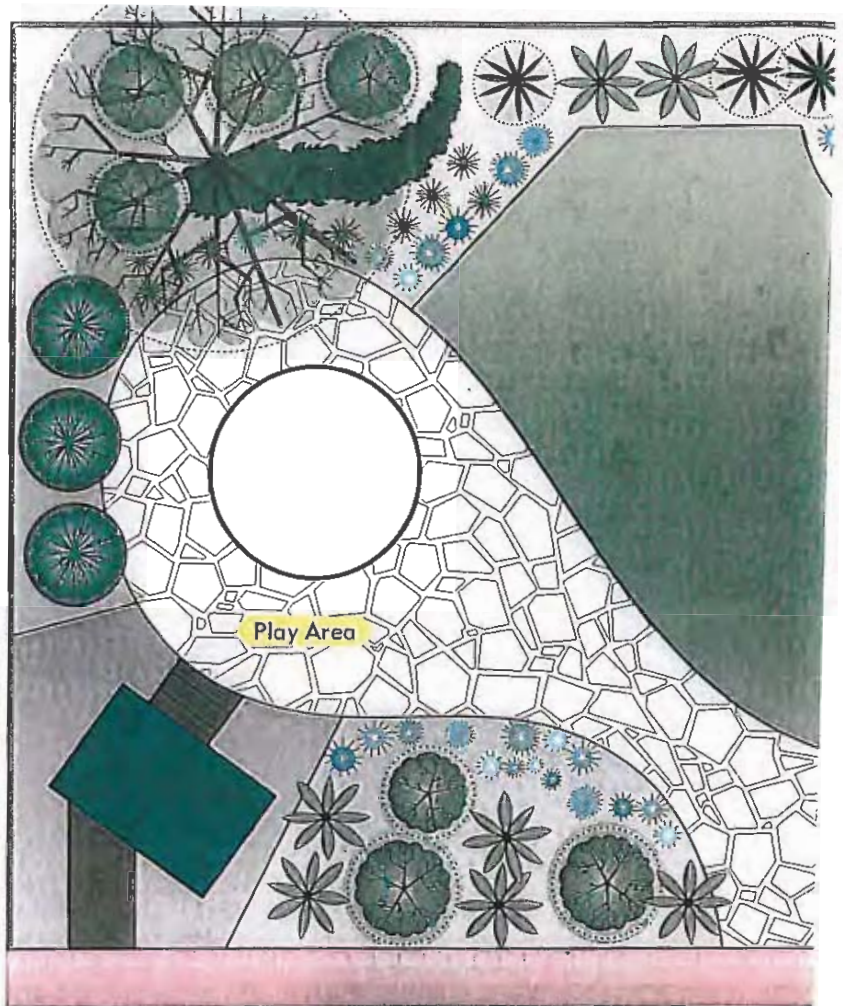
As the parent of an 11-year-old son, Lauren Bonar Swezey knows what a kid-friendly garden is all about. When her son, Drake, was younger, she learned a few

lessons quickly. Among them: Prickly plants and toddlers don't mix, and plants

with pretty but poisonous berries (cotoneaster, for instance) aren't worth the risk. A family garden needs space for kids to romp, *very* sturdy plants, and room for entertaining.

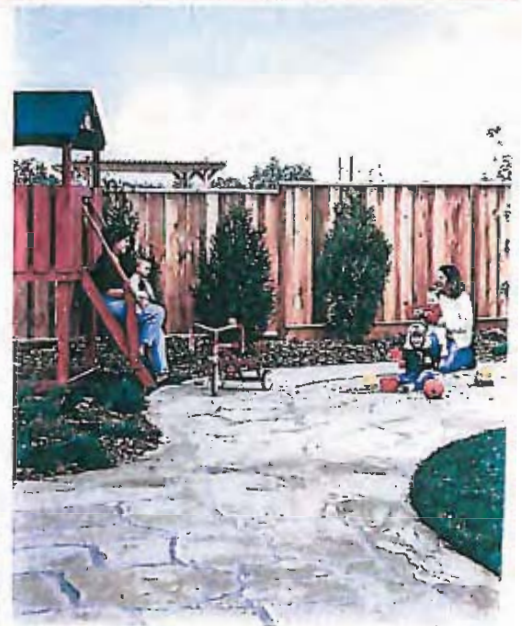
In Esparto, the long, narrow backyard provided the perfect space for a patio and a wide path that doubles as a tricycle track. On one end, the path circles an in-ground sandbox, making a roundabout for the three-wheelers. On the other end, the path widens into a patio large enough for entertaining.

Plants are Mediterranean, in keeping with the architecture of the house: lavenders, New Zealand flax, ornamental grasses. Strawberry trees grow along the back fence.

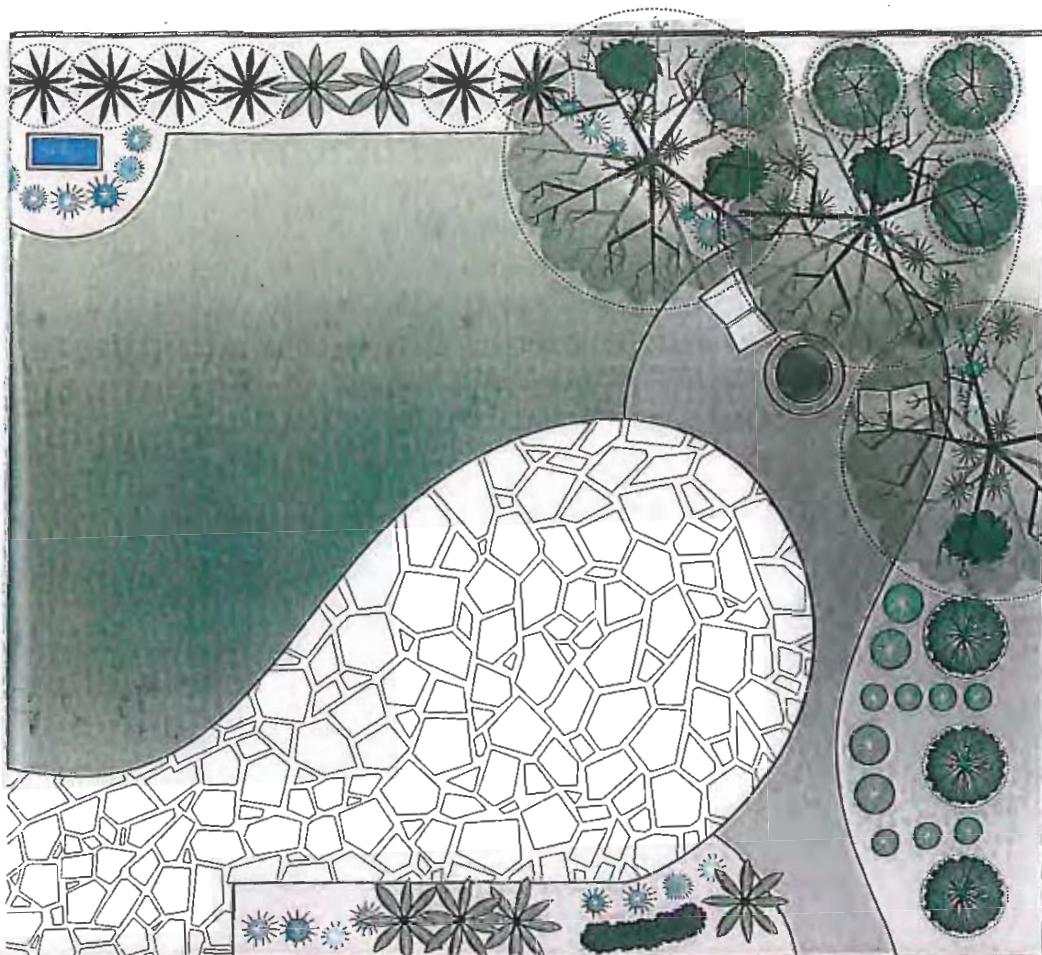


Key elements

- **Play area.** The flagstone path, wide enough for tricycle travel, circles a sandbox. Once the kids outgrow the sandbox, its location will be ideal for a shade tree and flower bed. A playhouse sits adjacent to the path. Beneath it, a mulch of shredded rubber tires cushions any falls.
- **Fountain.** A focal point at the rear of the garden, the simple, two-tiered fountain fills the air with the soothing sounds of trickling water. If you have toddlers, consider surrounding the fountain with perennials or grasses to restrict access.
- **Firepit.** Just off the main patio, a portable firepit flanked by chairs makes a good spot for evening get-togethers.



Trees will grow to offer privacy and some shade for the playhouse and sandpit. Plants that take part shade grow in a bed next to the playhouse.



Tips for designing a small space

- **Be practical.** Don't try to cram too many elements into the garden. Decide what you really need and will use.
- **Think big.** Make the patio large enough to accommodate a dining table and chairs with plenty of space around them to move about. If there's no room for an adequate lawn, forget it and expand the size of the patio or planting beds instead. Don't chop up the yard into unusable spaces.
- **Design for flexibility.** A patio can function as both outdoor dining room and tricycle track.
- **Simple is often better.** Choose one or two paving materials and keep patterns fairly uncomplicated. For continuity, repeat the use of building materials in a deck, bench, and planter.
- **Create illusion.** Make a small garden feel larger by layering plants. Set taller shrubs and small trees in the background, medium-size plants in the middle of the bed, and eye-catching low growers in the foreground.
- **Develop focal points.** Use sculpture, big containers, objets d'art, and showy plants to devise vignettes or points of interest.
- **Create a destination.** Situate a remote patio or bench away from the house, frame it with plants, and position a pot or piece of sculpture nearby.
- **Add built-in furniture.** Form a raised planter along the edge of a patio and add a wide ledge for seating.



As blue fescue plants get bigger, they'll fringe the fountain with greenery to give it a settled-in look. *Geranium 'Johnson's Blue'* and heucheras grow nearby.

Set on decomposed granite, a portable metal firepit, which can be screened when in use, adds a touch of informality beyond the paved surfaces. Ornamental grasses soften the fence.

GARDEN #3

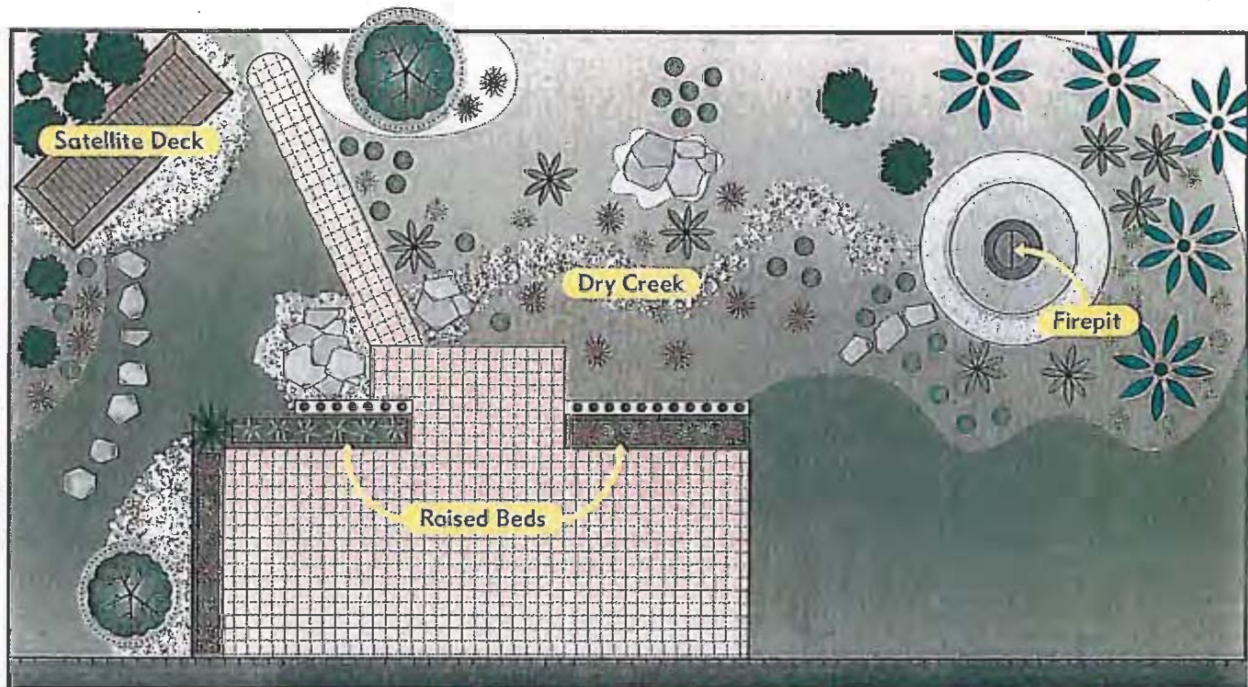
A coastal-inspired backyard escape

DESIGN:
BUD STUCKEY

This large home's seaside bungalow style inspired a design for a family that loves the outdoors—especially the coast.

During the planning process, Bud Stuckey researched coastal plants and designs, visited a nursery not far from the house, and drove around the area to see which existing plants thrive in Esparto's valley climate.

The plan features three settings for outdoor living: a patio just outside the family room, a satellite deck, and a cozy firepit area. A dry creek bed, built of boulders and smaller stones, connects these spaces. Two lawn areas where children can play frame the east and west sides of the yard.



Key elements

■ **Satellite deck.** The rectangular platform is raised slightly so it appears to float above a bed of river rock.

■ **Patio.** Covered with square clay pavers, the patio is edged with raised planter boxes for herbs and flowers.

■ **Dry creek bed.** Made from rocks of various sizes, it's surrounded with hardy plants that mimic natural beach plantings yet thrive in hot, dry, windy conditions.

■ **"Beach" firepit.** A sand-filled depression surrounds the portable metal firepit, a getaway spot for gatherings on starlit nights.



Backed by a screen of golden bamboo, the satellite deck, dressed with cushions and candles, angles into a corner of the garden and functions as a tropical retreat.

Edging the patio, the planter boxes are filled with coral diascias, lime thyme, and stock. Boulders and river rock add naturalistic, coastal accents in foreground.

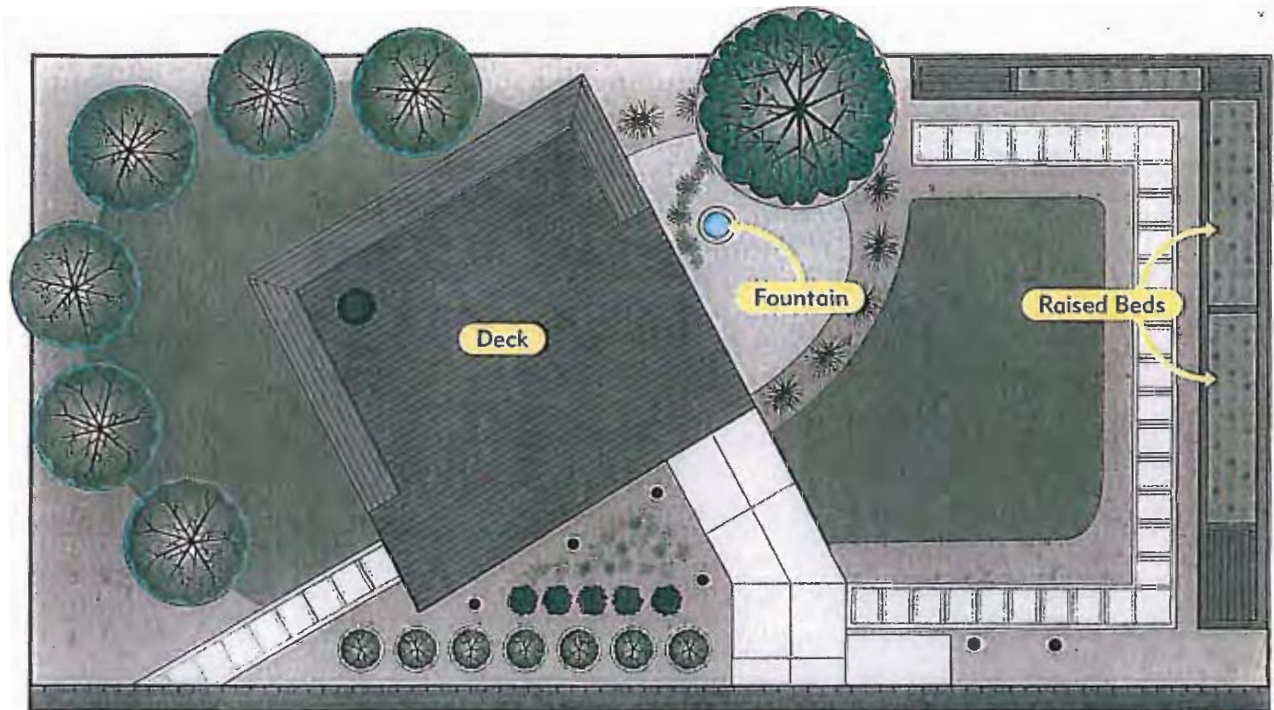
Colorful flowering plants mix with soft, textural grasses among the rocks to frame an inviting passageway to the firepit. Young Mexican fan palms are planted at rear.

GARDEN #4

Party space for a family with teenagers

DESIGN:
PETER O. WHITELEY

Imagine a backyard gathering on a warm evening with dinner from the grill served at the picnic table, while candlelight flickers and soft music plays in the background. That scenario inspired this Esparto garden designed to suit such get-togethers. A deck serves as a hangout for teenage children and their friends; it's also a destination where family members can enjoy the sun. A homeowner who is handy could easily build this deck, which lies close to the ground and includes a space-saving perimeter bench. Other outdoor rooms include a bed for shade plants beside the house and a small lawn.

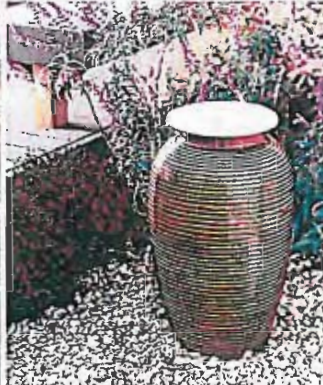


Key elements

■ **Deck.** Set at a 30° angle from the home's rear wall, the 20- by 22-foot deck is made of Trex (www.trex.com or 800/289-8739), a composite lumber, as are the benches and raised planters.

■ **Fountain.** Sold as a ceramic Egyptian watering vase, the urn fountain is from Beckett (about \$130; www.888beckett.com or 888/232-5388).

■ **Raised bed.** An L-shaped set of raised beds fits into a back corner. Also built of Trex, the beds include a covered bin for hiding a hose.



A built-in bench seat around the deck's back edge embraces a metal-and-glass fireplace. Ornamental pears along the fence will grow into a shady privacy screen.

A glazed ceramic urn fountain burbles and spills water into a reservoir hidden beneath the stone mulch. Red coreopsis and purple Mexican bush sage grow beyond.

Against the side and back walls, raised beds hold a changing cast of herbs and flowers. This spring medley includes orange calendulas, lettuce, and pansies. 🌻

Conserving water in your new backyard landscape

In California, landscape irrigation uses more water than all other household water uses combined. So it's important to design your garden for water efficiency. A water-efficient landscape can be lush and beautiful. The tips below will help.

Choose plants that are adapted to your climate and site. Determine your climate zone (see "Create a Water-wise Yard," right), then focus on your yard's "microclimate." Areas of the garden with northern exposure are normally shadier and cooler than those with southern exposure. Also consider shade from existing trees when planting.

Limit lawn area. Grass uses lots of water, so unless you plan to use a lawn for an entertainment area, sports, or children's play, keep it small or eliminate it. Avoid planting turf in narrow strips or oddly shaped areas, which are difficult to irrigate. Consider using drought-tolerant groundcovers instead.

Use porous paving for patios and paths. This allows rain to soak into the ground rather than running off. Flagstone set in gravel, pavers or bricks set in sand, and decomposed granite are good choices.

Check your soil. If it's too sandy or clayey, improve its water retention by digging in compost.

Group plants by water and exposure needs. Cluster low-water-use plants in one spot, and high-water-use plants in another, so each hydrozone can be irrigated separately.

Install an efficient irrigation system before you plant. Hire a qualified irrigation professional to do it for you. Use drip irrigation for shrubs and planting beds, and overhead irrigation for lawn areas. Use 6-inch pop-up or multistream rotary sprinkler heads for economical overhead irrigation. Install a "Smart" irrigation controller that schedules irrigation based on the plant's actual water needs (see "Create a Water-wise Yard," right).

Maintain your irrigation system. Check your system frequently for broken or misaligned sprinkler heads. Adjust, clean, or replace malfunctioning heads, emitters, and other parts with the same type and manufacturer. Irrigate in the early morning hours to minimize evaporation. Don't forget to adjust your irrigation controller to irrigate less during fall and winter.

Mulch. Apply a 3-inch layer of mulch or compost around plants to reduce evaporation, promote plant growth, and reduce weeds.

Create a water-wise yard

The websites below offer a wealth of information on how to lower your water bills and keep your landscape healthy.

■ Water-wise landscaping, efficient irrigation, and native plants for Southern California, Metropolitan Water District of Southern California: www.bewaterwise.com

■ San Francisco Bay-Friendly Landscaping and Gardening, Alameda County Waste Management Authority: www.stopwaste.org/home/index.asp?page=8

■ Lush and efficient landscaping for Southwest desert climates, Coachella Valley Water District: www.cvwad.org/lush&eff.htm

■ Sunset climate zones for selecting adapted plants: www.sunset.com/sunset/garden/article/0,20633,845238,00.html

■ Water-wise landscaping, plant information, and picture gallery, California Urban Water Conservation Council: www.h2ouse.org/tour/landscaping.cfm

■ Consumer irrigation tips and how to hire a qualified irrigation contractor: www.irrigation.org/Rsrcs/default.aspx?pg=consumer_info.htm&id=140#3

■ Smart Irrigation Controllers: www.irrigation.org/swat

■ Design and installation tutorials for efficient irrigation systems: www.irrigationtutorials.com

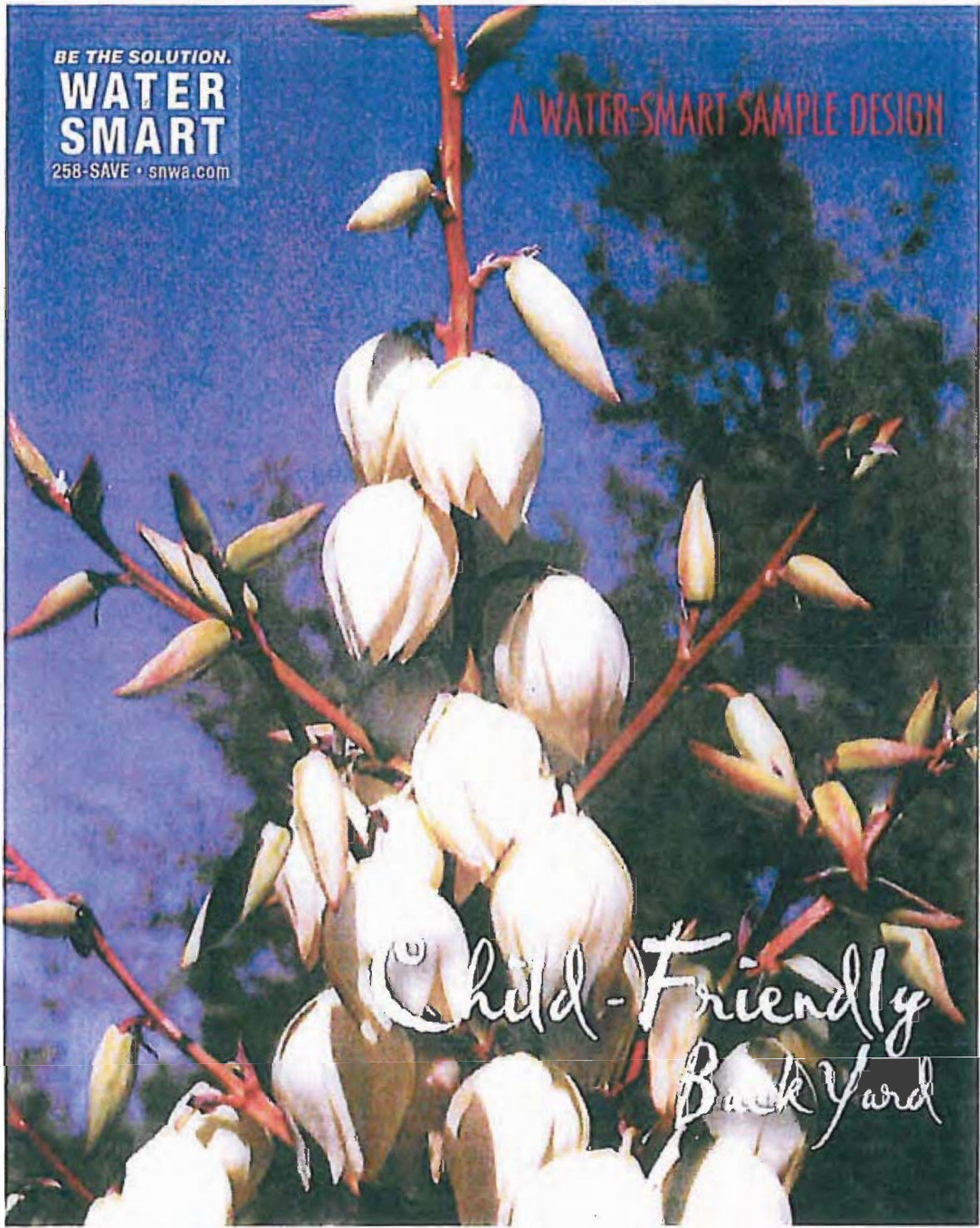
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**WATER
SMART**

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A WATER-SMART SAMPLE DESIGN

*Child-Friendly
Back Yard*



Legend

TREES

AFRICAN SUMAC
(*Rhus lancea*)



FAN-TEX ASH
(*Fraxinus velutina*)



CHASTE TREE
(*Vitex agnus-castus*)



'POWIS CASTLE' WORMWOOD
(*Artemisia arborescens*)



GOLD SPOT EUONYMUS
(*Euonymus japonica*
Aurco-Variegata)



RED FOUNTAIN GRASS
(*Pennisetum setaceum*
'Rubrum')



VARIEGATED MOCK ORANGE
(*Pittosporum tobira*
'Variegata')



SHRUBS

SOCIETY GARLIC
(*Tulbaghia violacea*)



WEeping YUCCA
(*Yucca recurvifolia*)



HEAVENLY BAMBOO
(*Nandina domestica*)



ACCENT PLANTS

VERBENA
(*Verbena rigida*)

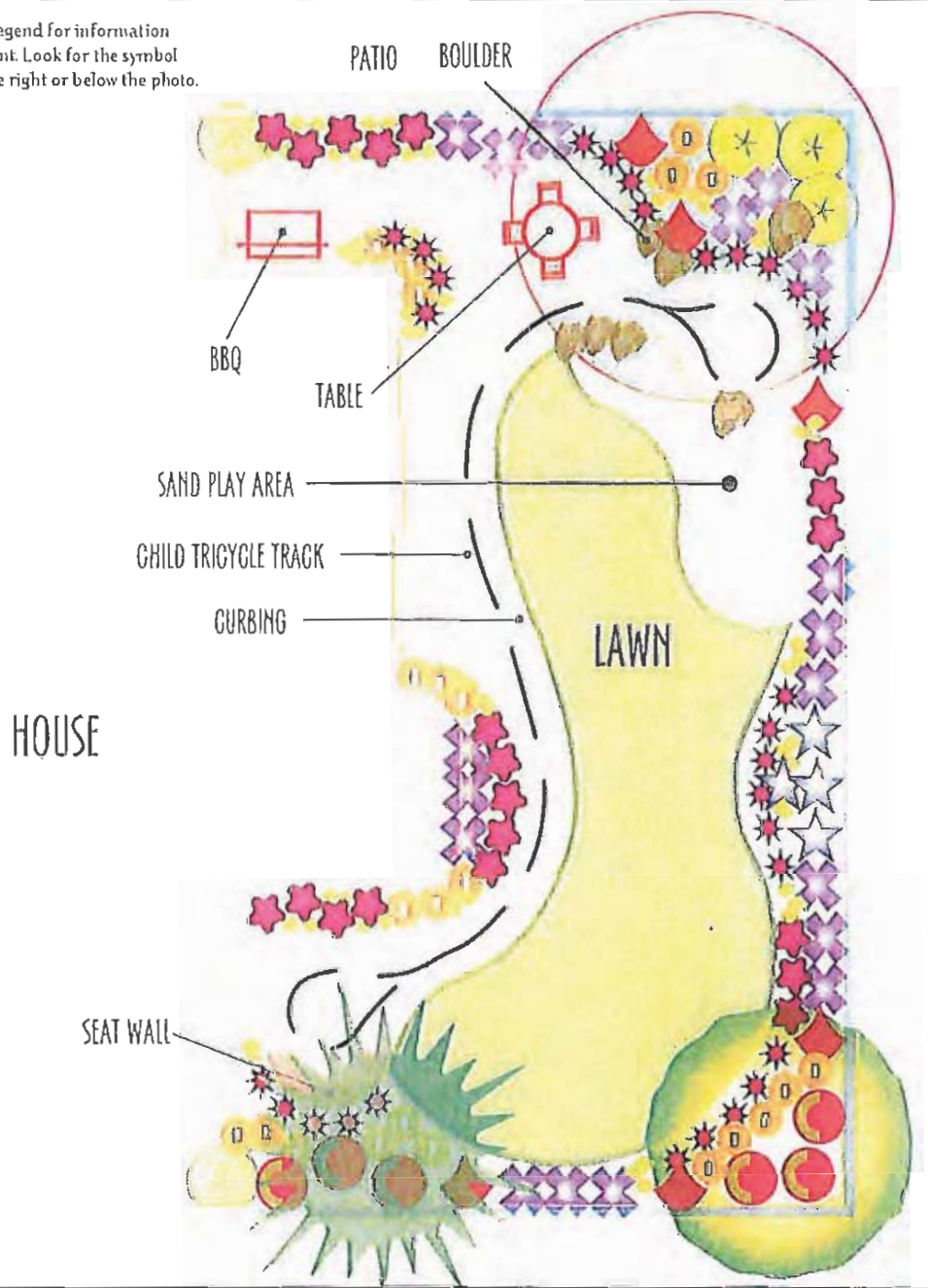


STAR JASMINE
(*Trachelospermum jasminoides*)



GROUNDCOVERS

Check the legend for information on each plant. Look for the symbol either to the right or below the photo.



Design by Brian Patterson, ASLA, RLA, The WLB Group Inc.

This sample design is based on a typical 1,500 sq. ft. landscape conversion, but can be easily adapted to the unique dimensions of your landscape. The design, as presented, will result in a very dense and lush landscape. You may choose to use fewer trees and plants depending on the size of your property and the requirements of your budget.

The canopy coverage for the Child-Friendly design is estimated at 239 percent at maturity. However, only a 50 percent canopy coverage is required to qualify for the Water Smart Landscapes rebate program. To apply, submit an application and participate in a site review before making any landscape changes or removing turf. Also, consult with your Homeowner's Association, if applicable, and check to ensure your design complies with local drought codes. For more information, log on to snwa.com or call 258-SAVE.

This design incorporates turf play areas for children, trails and plenty of colorful accents to offset a play set or jungle gym—designed for the true child at heart. The plants and boulders in this design are for decorative use. Evaluate whether they are safe for your yard.

Other landscape tips using this design:

- Allow room for trees in this landscape to attain their mature size. Properly placed, trees can shade your home, reducing cooling demands in the warmer months.
- Red Fountain Grass can grow as wide as 5 feet and as tall as 6 feet, so allow room in your landscape for these plants to mature. They create a striking border along a block wall and are hardy enough to withstand direct sunlight.
- While listed in this sample design as an accent plant, Heavenly Bamboo—which can grow as high as 8 feet and as wide as 4 feet—has many versatile uses and can be grown as a shrub or large vine.

- Many plant varieties in this landscape design also can be planted in pots or colorful containers that can be rearranged to create a dynamic and changing landscape. Consider running a drip line up through the bottom of the pot, so that container plants can be watered using your existing drip irrigation system.
- New plants often need more water and care in the beginning but once established, trees and shrubs respond better to fewer but deeper drip waterings.
- Save lawn for the places you use it. Grass areas should be located away from your house or block wall to prevent damage from overspray. Also, ensure sprinklers are properly aligned and avoid placing grass on sloped areas to prevent runoff. Use curbing around grass areas to create a decorative border and to help contain water to grass areas.
- The lawn in this design is intended for recreation and entertaining, is shaped to conform to this conceptual plan and meets typical drought codes. If you use grass in your landscape, ensure that it conforms to your sprinkler spray patterns to maximize water efficiency. If planting grass, consider warm-season varieties, such as Zoysia, St. Augustine, Bermuda or Buffalo grass to reduce water use.
- Boulders and decorative rocks are also incorporated as part of this design. Check with local suppliers or landscape companies to determine the best product for your landscape.



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*Entertaining
Back Yard*

A WATER-SMART SAMPLE DESIGN

Legend

TREES

BLUE PALO VERDE
(*Parkinsonia floridum*)



GRAPE MYRTLE
(*Loganstroemia indica*)



SHRUBS

YELLOW BELLS
(*Tecoma stans*)



TEXAS RANGER
(*Leucophyllum langmanii*)



PINK MUHLY
(*Azulena bergia capillaris*)



ACCENT PLANTS

FORTNIGHT LILY
(*Diets bicolor*)



PARRY'S PENSTEMON
(*Penstemon parryi*)



ANGELITA DAISY
(*Tetroneris acaulis*)



GROUNDCOVERS

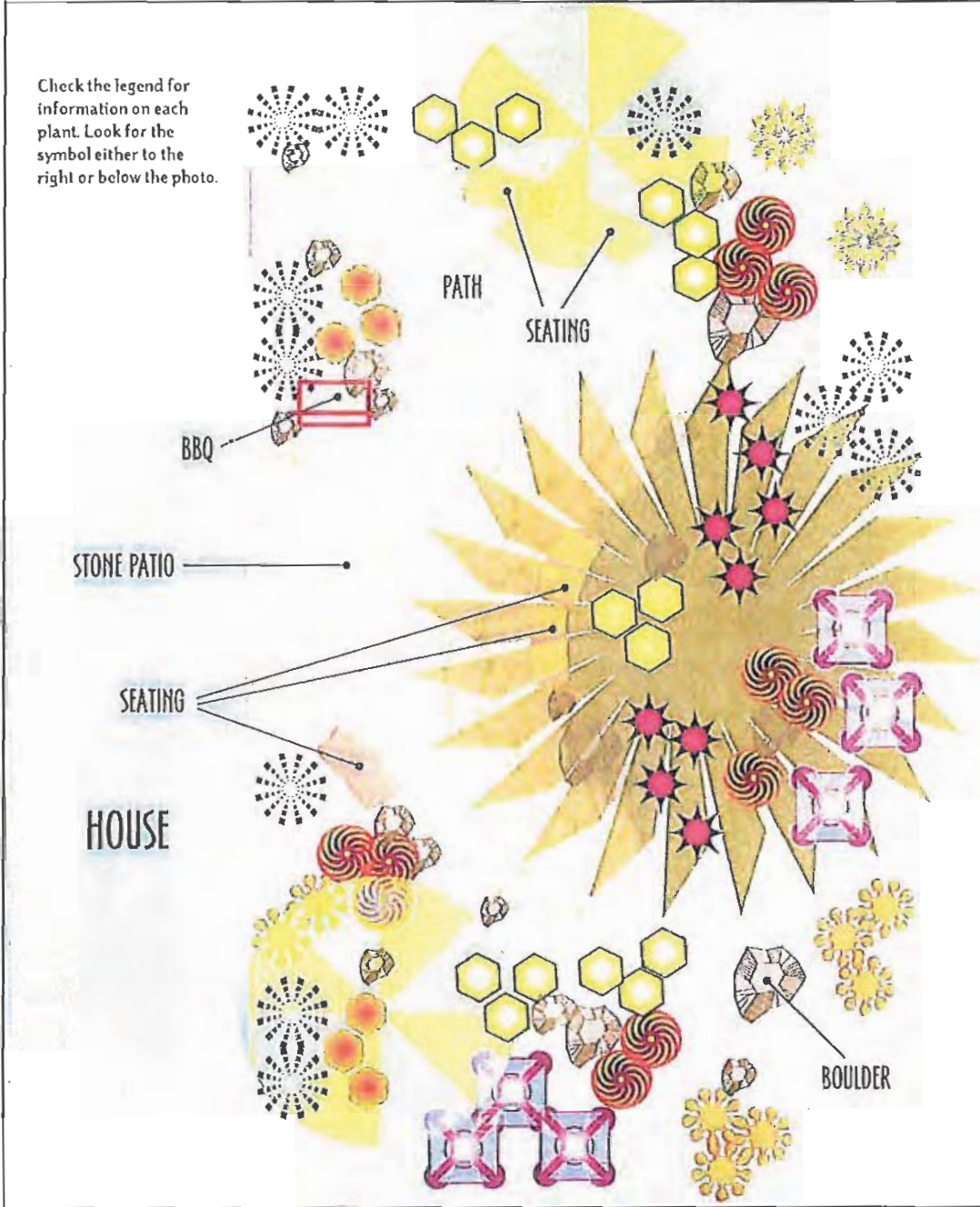
TRAILING LAJATAHA
(*Lantana montevidensis*)



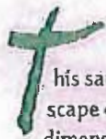
STAR JASMINE
(*Trachelospermum jasminoides*)



Check the legend for information on each plant. Look for the symbol either to the right or below the photo.



Design by Wayne T. Salom, ASLA, J. W. Zunino & Associates



his sample design is based on a typical 1,500 sq. ft. landscape conversion, but can be easily adapted to the unique dimensions of your yard. This design incorporates hardscapes, walking paths and water-smart trees and plants that provide colorful variety and shade for outdoor entertaining areas. You may want to use fewer or more trees and plants depending on the size of your property and the requirements of your budget.

The canopy coverage for the Entertaining design is estimated at 90 percent at maturity. However, only a 50 percent canopy coverage is required to qualify for the Water Smart Landscapes rebate program. To apply, submit an application and participate in a site review before making any landscape changes or removing turf. Also, consult with your Homeowner's Association, if applicable, and check to ensure your design complies with local drought codes. For more information, log on to snwa.com or call 258-SAVE.

Other landscape tips using the plants in this design:

Allow room for trees in this landscape to attain their mature size. Properly placed, trees can shade your home, reducing cooling demands in the warmer months.

Pink Muhly can grow as wide as 3 feet and as tall as 5 feet, so allow room in your landscape for these plants to mature. These grasses create a striking border along a block wall and are hardy enough to withstand direct sunlight.

Many plant varieties in this landscape design also can be planted in pots or colorful containers that can be rearranged to create a dynamic and changing landscape. Consider running an existing drip line up through the bottom of the pot, so that container plants can be watered on the same schedule as the rest of the plants in your landscape.

New plants often need more water and care in the beginning but once established, trees and shrubs respond better to fewer but deeper drip waterings.

This design incorporates ungrouted flagstone to allow water and air to reach the surrounding plant roots. Boulders and decorative rocks are also incorporated as part of this design. Check with local suppliers or landscape companies to determine the best product for your landscape.

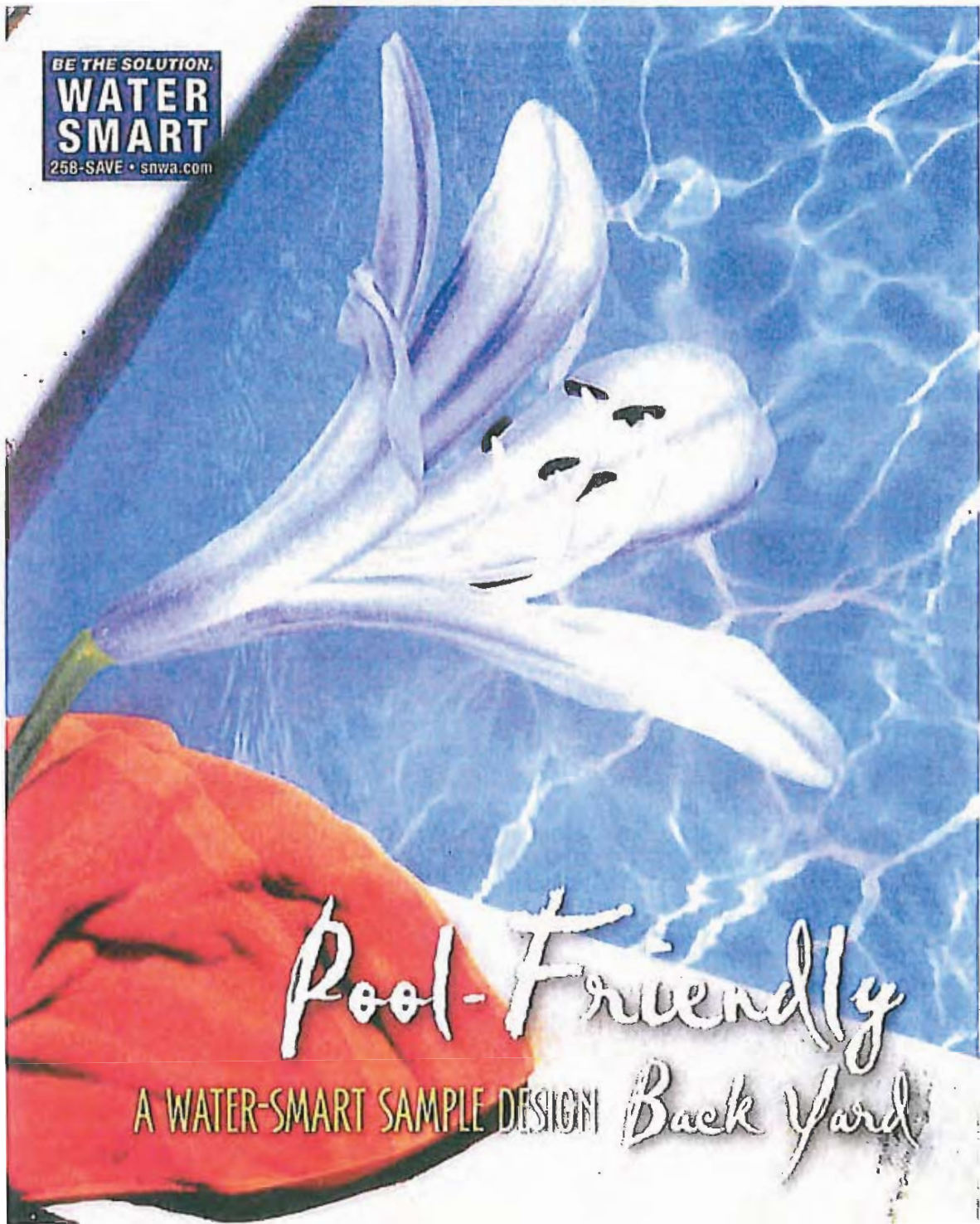
Trailing Lantana makes a colorful groundcover that is excellent for covering sloped or terraced areas in your landscape.



Southern Nevada
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Pool-Friendly

A WATER-SMART SAMPLE DESIGN Back Yard

Legend

TREES

BOTTLE TREE
(Brachychiton populneus)



MEDITERRANEAN FAN PALM
(Chamaerops humilis)



SHRUBS

RED FOUNTAIN GRASS
(Pennisetum setaceum 'Rubrum')



VARIEGATED MOCK ORANGE
(Pittosporum tobira 'Variegata')



YELLOW BELLS
(Tecoma stans)



SAGO PALM
(Cycas revoluta)



ACCENT PLANTS

PURPLE CONEFLOWER
(Echinacea purpurea)



WEeping YUCCA
(Yucca recurvifolia)



GAURA
(Gaura lindheimeri)



LILY-OF-THE-PILE
(Agapanthus orientalis)



ANGELITA DAISY
(Tetrameuris acaulis)



GROUNDCOVERS

LANTANA
(Lantana hybrid)



TRAILING LANTANA
(Lantana montevidensis)



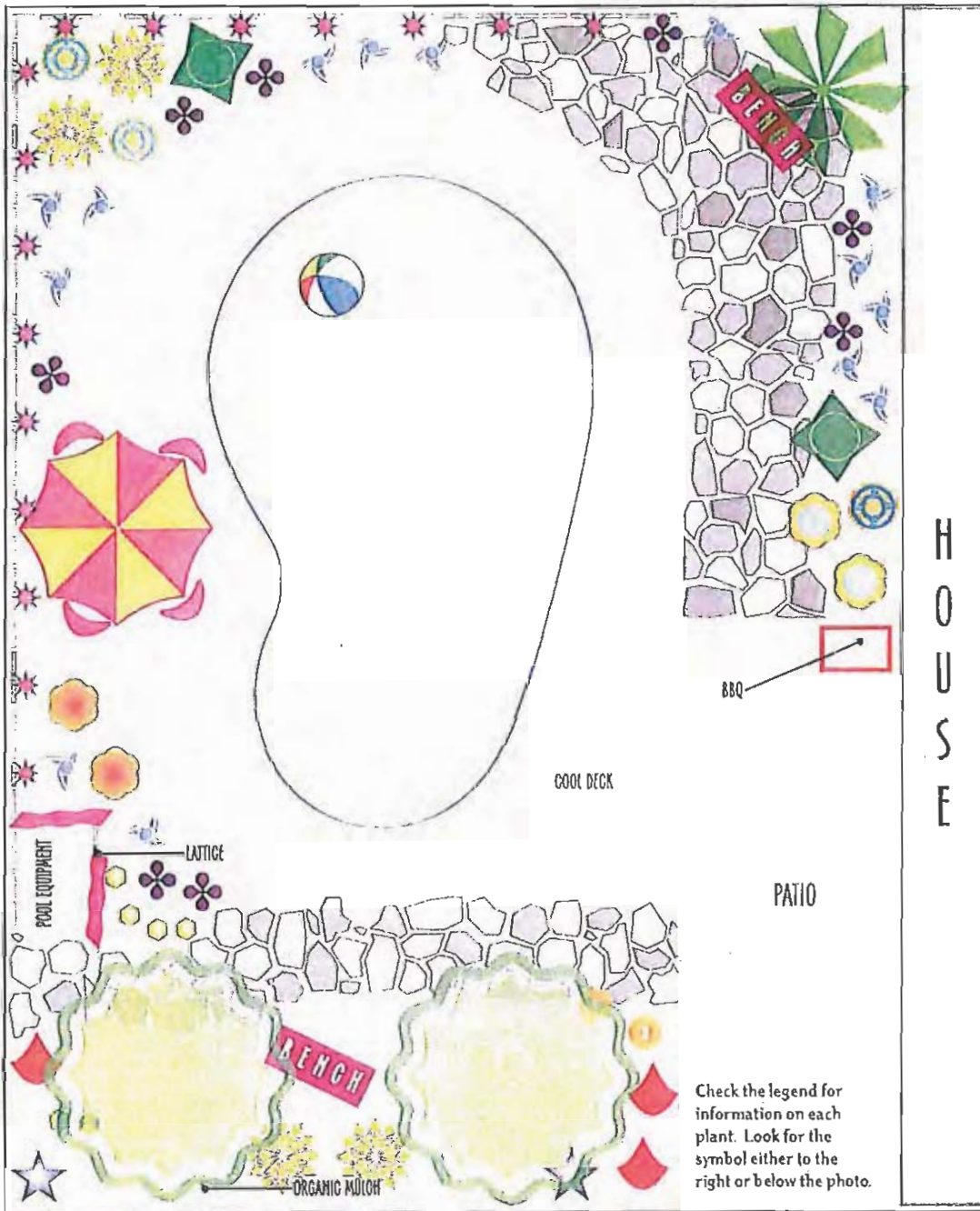
VINE

CAPE HONEYSUCKLE
(Petromarica capensis)



STAR JASMINE
(Trachelospermum jasminoides)





Designed by the Southern Nevada Water Authority Youth Advisory Council

This sample design can be easily adapted to the unique dimensions of your landscape and pool area. As presented, this design incorporates hardscapes, walking paths and water-smart trees and plants. You may choose to use fewer trees and plants depending on the size of your property and your budget.

As shown, the canopy coverage for the Pool-Friendly design is estimated at 245 percent at maturity. However, only a 50 percent canopy coverage is required to qualify for the Water Smart Landscapes rebate program. To apply, submit an application and participate in a site review before making any landscape changes or removing turf. Also, consult with your Homeowner's Association, if applicable, and check to ensure your design complies with local drought codes. For more information, log on to snwa.com or call 258-SAVE.

This design incorporates hardy, water-smart plants. Other landscape tips:

- Avoid plants that drop excessive flowers, leaves, seedpods and other debris that may easily enter the pool. Debris can diminish water quality, efficiency of pool equipment and your enjoyment. Don't use thorny or spiny plants that may create a safety hazard or puncture pool toys.
- If you use plantings to "hide" pool equipment, be sure to leave adequate space and ventilation for safe operation and maintenance. Check with your local government agency and Homeowner's Association, if applicable, to verify what codes and ordinances regulate how closely you can place plants to your pool equipment.
- Allow room for trees to attain their mature size, including their proximity to trees and buildings on neighboring lots. Shade trees provide a covered place for poolside relaxing or for a backyard picnic.



For more information, log on to snwa.com or call 258-SAVE.
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- Cover your pool when not in use to reduce evaporation, heat loss and debris collection.
- Never drain a pool or spa into the street or into a storm drain. Visit snwa.com for information on how to properly drain a pool or spa. For more tips on Water Smart Pool Management, log on to snwa.com or call 258-SAVE.
- New plants often need frequent light watering in the beginning, but once established, respond better to less frequent but deeper drip waterings.
- Flagstone pavers are incorporated as part of this design. Pavers must be ungrouted to qualify for the Water Smart Landscapes rebate. Check with local suppliers or landscape companies to determine the best product for your landscape.
- In lieu of pavers, functional turf for recreation and entertaining may be incorporated into this design. If you use grass in your landscape, ensure that it conforms to your sprinkler spray patterns to maximize water efficiency, and check first to ensure you comply with drought codes in your area that limit the installation of turf at new properties. If planting grass, consider warm-season varieties, such as Zoysia, St. Augustine, Bermuda or Buffalo grass to reduce water use.
- This design also includes organic mulch, such as bark chips, which provides a natural look, prevents weeds and reduces water evaporation. Organic mulches have the added benefit of keeping plants cool in the summer and adding nutrients to the soil as they decompose.

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Color Explosion

A WATER-SMART SAMPLE DESIGN

Front Yard

Legend

TREES

SHRUBS

CHINESE PISTACHE
(*Pistacia chinensis*)



CHITALPA
(*Chitalpa tashkentensis*)



PINK INDIGO BUSH
(*Dalea pulchra*)



DAMIANITA
(*Chrysanthia mexicana*)



AUTUMN SAGE
(*Salvia greggii*)



PINK MUHLY
(*Muhlenbergia capillaris*)



COW'S TONGUE PRICKLY PEAR
(*Opuntia linguiformis*)



RED YUCCA
(*Hesperaloe parviflora*)



PENSTEMON
(*Penstemon species*)



ANGELITA DAISY
(*Tetranneuris acaulis*)



VARIEGATED AGAVE
(*Agave americana* f. *Aledio-picta*)



ACCENT PLANTS

LANTANA
(*Lantana Hybrid*)



DALEA
(*Dalea capitata*)



VERBENA
(*Verbena rigida*)

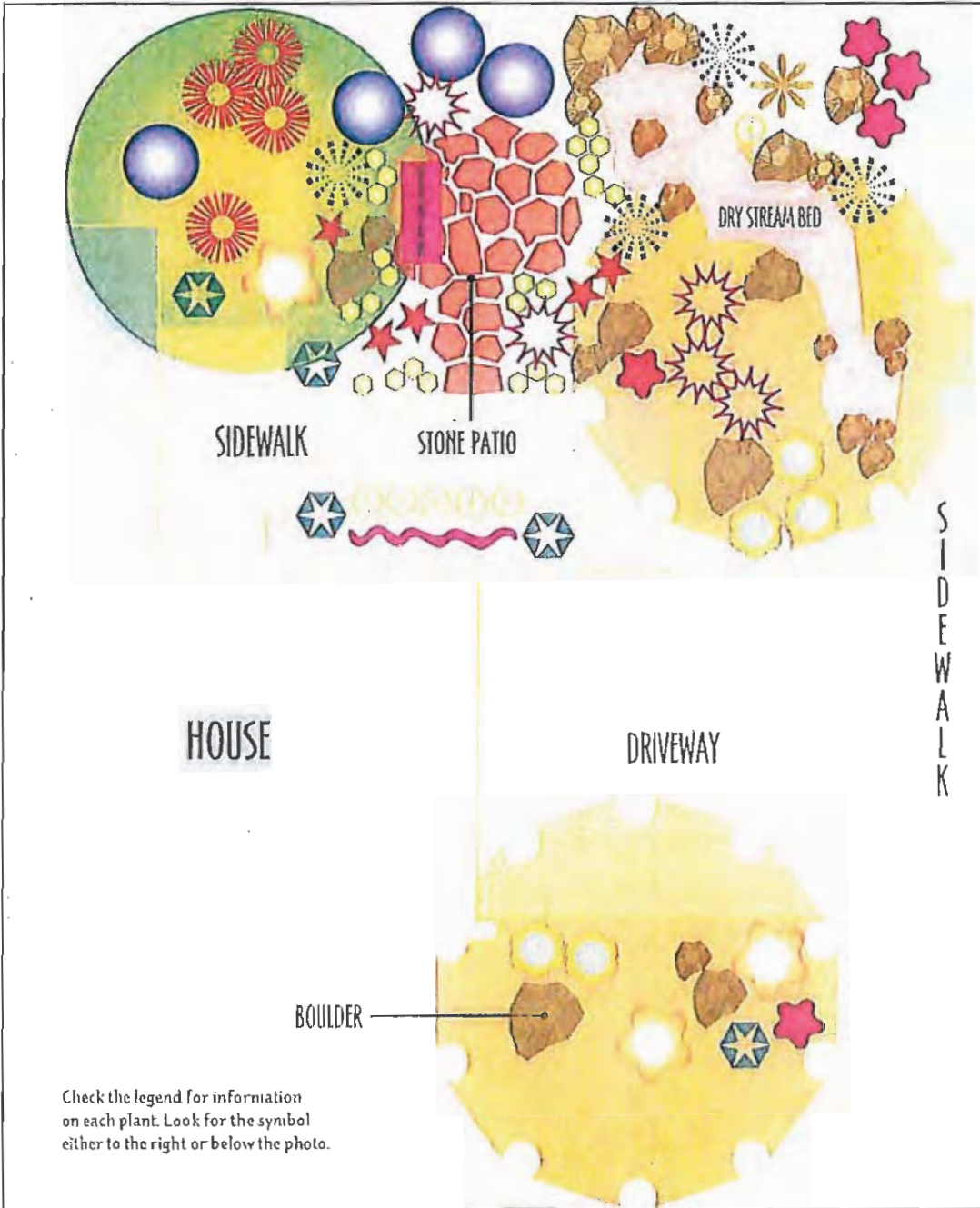


GROUNDCOVERS

VINE

CAT'S CLAW
(*Macfadyena unguis-cati*)





Design by Cassi Dawes, Southern Nevada American Society of Landscape Architects



his sample design is based on a typical 1,500 sq. ft. landscape conversion, but can be easily adapted to the unique dimensions of your yard. The design, as presented, will result in a very dense and lush landscape. You may choose to use fewer trees and plants depending on the size of your property and the requirements of your budget.

The canopy coverage for the Color Explosion design is estimated at 141 percent at maturity. However, only a 50 percent canopy coverage is required to qualify for the Water Smart Landscapes rebate program. To apply, submit an application and participate in a site review before making any landscape changes or removing turf. Also, consult with your Homeowner's Association, if applicable, and check to ensure your design complies with local drought codes. For more information, log on to snwa.com or call 258-SAVE.

This design incorporates a wide variety of plants to provide lush, year-round color. Other landscape tips using this design include:

- Allow room for trees in this landscape to attain their mature size. Properly placed, trees can shade your home, reducing cooling demands in the warmer months.
- The Pink Muhly recommended in this design can grow as wide as 3 feet and as tall as 5 feet, so allow room in your landscape for these plants to mature. They create a striking border along a block wall and are hardy enough to withstand direct sunlight.

- Agaves come in many sizes. Be sure the variety you choose is suitable for the space.

- Lantana and Verbena are available in wide varieties and make colorful groundcovers that are excellent for covering sloped or terraced areas in your landscape. Lantana goes dormant in winter so you may want to combine them with evergreen plants for year-round color.

- Cat's Claw is best planted as a creeping vine against a wall or trellis.

- Many plant varieties in this landscape design also can be planted in pots or colorful containers that can be rearranged to create a dynamic and changing landscape. Consider running an existing drip line up through the bottom of the pot, so that container plants can be watered using your existing drip irrigation system.

- New plants often need more water and care in the beginning but once established, trees and shrubs respond better to fewer but deeper drip waterings.

- This design incorporates ungrouted flagstone to allow water and air to reach the surrounding plant roots. Boulders and decorative rocks are also incorporated as part of this design. Check with local suppliers or landscape companies to determine the best product for your landscape.



Southern Nevada
Water Authority

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Low-Maintenance
A WATER-SMART SAMPLE DESIGN *Front Yard*

Legend

TREES

MULGA TREE
(*Acacia aneura*)



DESERT WILLOW
(*Chilopsis linearis*)



SHRUBS

AUSTRALIAN SAGE
(*Salvia greggii*)



DESIANITA
(*Chrysactinia mexicana*)



TEXAS RAVEN
(*Leucophyllum candidum*)



SILVER DALEA
(*Dalea bicolor*)



ACCENT PLANTS

DESERT SPOON
(*Dasylirion wheeleri*)



RED YUCCA
(*Hesperaloe parviflora*)

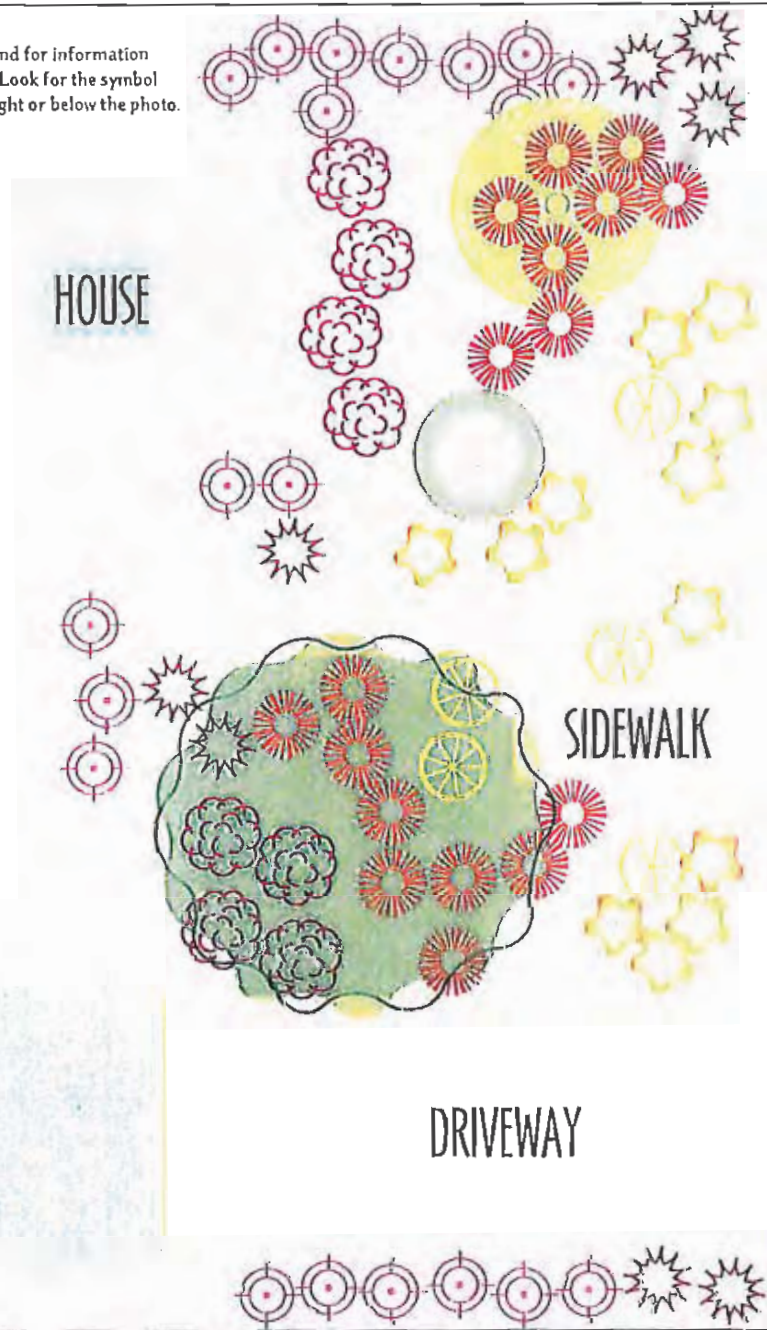


GROUNDCOVER

DALEA
(*Dalea capitata*)



Check the legend for information on each plant. Look for the symbol either to the right or below the photo.



Design by Rich Marriotti, ASLA, Marriotti Landscape Architects

This sample design is based on a typical 1,500 sq. ft. landscape conversion, but can be easily adapted to the unique dimensions of your yard. The design as presented—while low maintenance—incorporates a large quantity and variety of plants to create a very dense landscape. You may choose to use fewer trees and plants depending on the size of your property and the requirements of your budget.

The canopy coverage for the Low-Maintenance design is estimated at 63 percent at maturity. However, only a 50 percent canopy coverage is required to qualify for the Water Smart Landscapes rebate program. To apply, submit an application and participate in a site review before making any landscape changes or removing turf. Also, consult with your Homeowner's Association, if applicable, and check to ensure your design complies with local drought codes. For more information, log on to snwa.com or call 738.SAVE.

This design incorporates hardy, water-smart plants that are mainstays for the busy lifestyle. Other landscape tips using the plants in this design:

- Allow room for trees in this landscape to attain their mature size. Properly placed, trees can shade your home, reducing cooling demands in the warmer months.
- Large quantities of Texas Rangers are used in this design to create dense borders and colorful areas. You may want to use fewer plants or smaller varieties depending on your lot dimensions and budget.
- Dalea is excellent for covering sloped areas in your landscape. Choose Sierra Gold, Silver or Black varieties for a colorful groundcover.
- Many plant varieties in this landscape design also can be planted in pots or colorful containers that can be rearranged to create a dynamic and changing landscape. Consider running a drip line up through the bottom of the pot, so that container plants can be watered using your existing drip irrigation system.
- New plants often need more water and care in the beginning but once established, trees and shrubs respond better to fewer but deeper drip waterings.



Southern Nevada
Water Authority

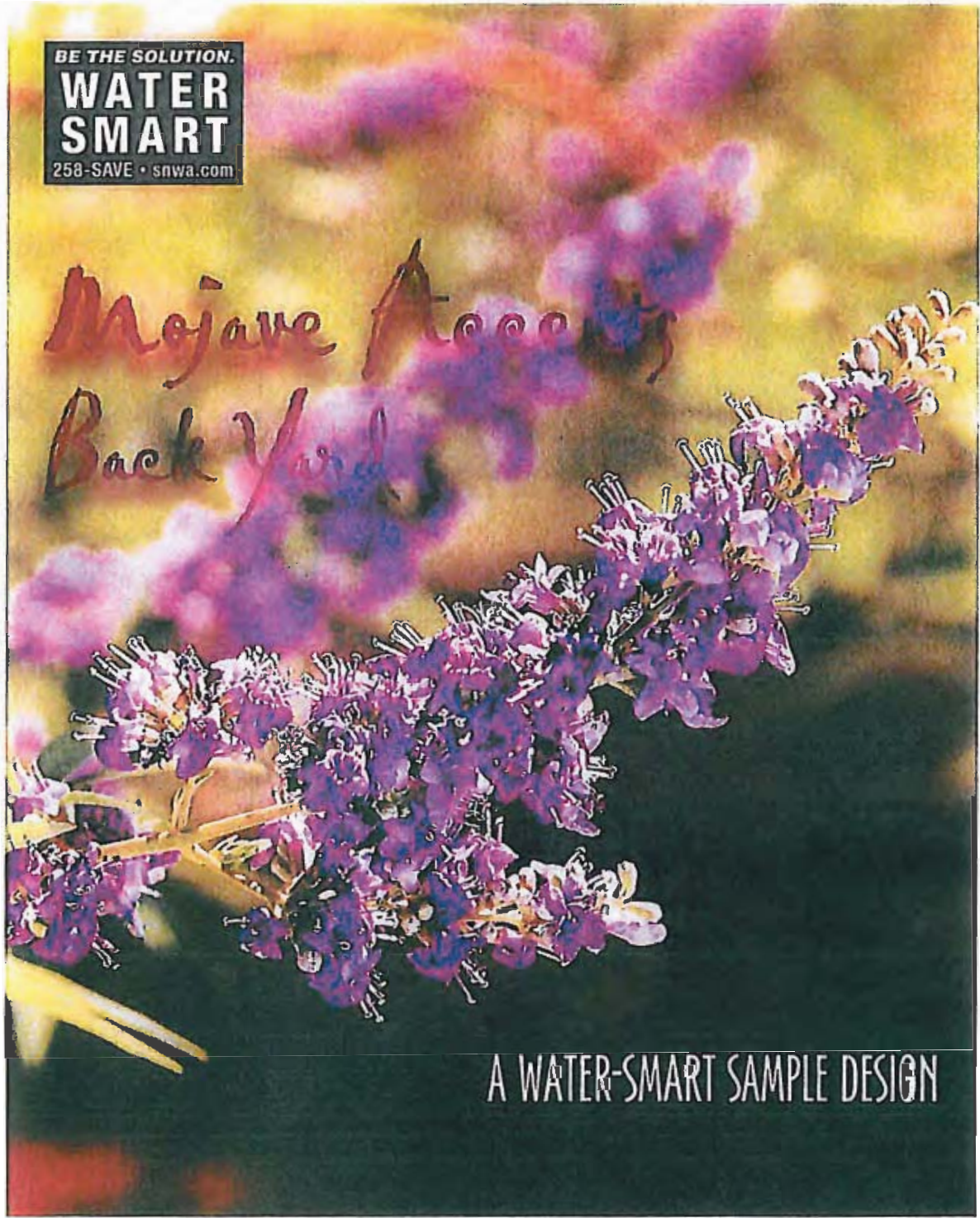
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**WATER
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*Mojave Desert
Back Yard*



A WATER-SMART SAMPLE DESIGN

Legend

TREES

TEXAS MOUNTAIN LAUREL
(*Sophora secundiflora*)



DESERT WILLOW
(*Chilopsis linearis*)



CHASTE TREE
(*Vitex agnus-castus*)



SHRUBS

DAMIANITA
(*Chrysactinia mexicana*)



AUTUMN SAGE
(*Salvia greggii*)



TEXAS RANGER
(*Leucophyllum candidum*)

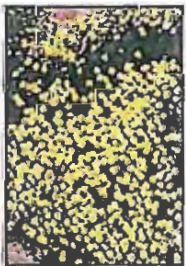


ACCENT PLANTS

DESERT SPOON
(*Dasyliirion wheeleri*)



GREEN SANTOLINA
(*Santolina virens*)



RED YUCCA
(*Hesperaloe parviflora*)

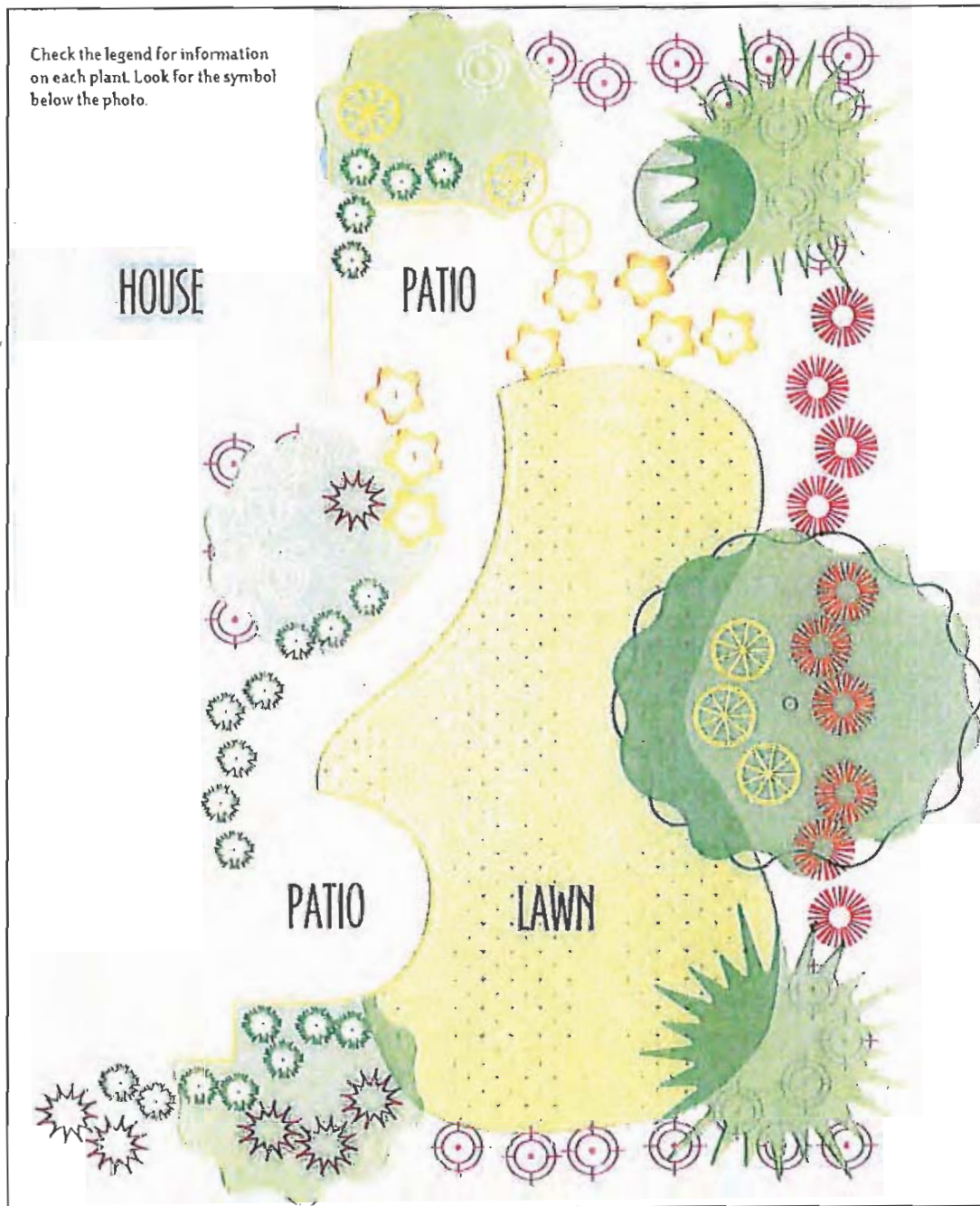


GROUNDCOVER

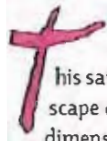
DALEA
(*Dalea capitata*)



Check the legend for information on each plant. Look for the symbol below the photo.



Design by Rich Marriotti, ASLA, Marriotti Landscape Architects



This sample design is based on a typical 1,500 sq. ft. landscape conversion, but can be easily adapted to the unique dimensions of your yard. The design, as presented, will result in a very dense and lush landscape. You may choose to use fewer trees and plants depending on the size of your property and the requirements of your budget.

The canopy coverage for the Mojave Accents design is estimated at 127 percent at maturity. However, only a 50 percent canopy coverage is required to qualify for the Water Smart Landscapes rebate program. To apply, submit an application and participate in a site review before any landscape changes are made or turf is removed. Also, consult with your Homeowner's Association, if applicable, and check to ensure your design complies with local drought codes. For more information, log on to snwa.com or call 258-SAVE.

Mojave Accents brings the beauty and grace of the Mojave Desert to your back yard with the added benefits of hardy, water-smart plants that require less weekly maintenance than a standard lawn. Other landscape tips using this design:

- Allow room for trees in this landscape to attain their mature size. Properly placed, trees can shade your home, reducing cooling demands in the warmer months.
- Texas Ranger can grow as wide as 5 feet, so allow room in your landscape for these plants to mature. Large quantities of Texas Rangers are used in this design to create dense borders and shaded areas. You may want to use fewer plants depending on your lot dimensions and budget.
- Dalea makes a colorful groundcover that is excellent for covering sloped or terraced areas in your landscape, and comes in a variety of colors, including Black Dalea and Sierra Gold.
- Many plant varieties in this landscape design also can be planted in pots or colorful containers that can be rearranged to create a dynamic and changing landscape. Consider running a drip line up through the bottom of the pot, so that container plants can be watered using your existing drip irrigation system.
- New plants may need more water and care in the beginning but once established, trees and shrubs respond better to fewer but deeper drip waterings.
- Save lawn for the places you use it. Grass areas should be located away from your house or block wall to prevent damage from overspray. Also, ensure sprinklers are properly aligned and avoid placing grass on sloped areas to prevent runoff. Use curbing around grass areas to create a decorative border and to help contain water to grass areas.
- The lawn in this design is intended for recreation and entertaining, is shaped to conform to this conceptual plan and meets typical drought codes. If you use grass in your landscape, ensure that it conforms to your sprinkler spray patterns to maximize water efficiency. If planting grass, consider warm-season varieties, such as Zoysia, St. Augustine, Bermuda or Buffalo grass to reduce water use.



Southern Nevada
Water Authority

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INLAND EMPIRE UTILITIES AGENCY

Regional Residential Rebate Program

Metropolitan Water District

SoCal Water \$mart Program



High Efficiency Toilets—1.28 gallons per flush (gpf) or less*

Rebate: Starting at \$100 per toilet



High Efficiency Clothes Washers— Water Factor of 5.0 or less*

Rebate: Starting at \$85 (one per household)



Weather Based Irrigation Controller*

Rebate: Starting at \$80/controller for areas less than one acre



Rotating Nozzles for Pop-up Spray Heads

Rebate: starting at \$4 per nozzle



Synthetic Turf

Rebate: \$0.60/Sq Ft of turf installed

(MWD will compensate \$0.30/Sq Ft and IEUA will be contributing \$0.30 to extend the \$0.60/Sq Ft rebate offer)

***TO VIEW LISTS OF QUALIFYING DEVICES:** Visit www.socalwatersmart.com or www.ieua.org

Additional resources can be found at: www.bewaterwise.com and www.ieua.org

Rebates are offered on a first come, first serve basis as funding is available

**For More Information, please call 1-888-376-3314 or go to
www.socalwatersmart.com**

Participating Agencies Include: Cucamonga Valley Water District, Monte Vista Water District, Fontana Water Company, San Antonio Water Company, and the Cities of Chino, Chino Hills, Ontario and Upland



It is Time to get Serious about Saving Water

Tip Sheet

If you...

Outdoor Landscaping

- ♣ While **hand watering**, focus on dry spots, pay attention to avoid runoff
- ♣ **Reduce irrigation cycles** by 1-3 minutes
- ♣ Irrigate your landscapes only in the **early morning hours** (5 a.m.)
- ♣ Adjust irrigation timer valve **run times** seasonally
- ♣ Adjust sprinklers to avoid unnecessary **overspray**
- ♣ Fix leaky and broken **sprinkler heads**
- ♣ Replace spray head nozzles with **rotator nozzles**
- ♣ Use **drips** or **bubblers** to irrigate your flower and shrub beds
- ♣ Use irrigation controller with **rain sensor** *
- ♣ Replace part of lawn with **low water use plants**
- ♣ Put 2-4 inches of **mulch** around bushes, trees and shrubs

You'll save...

- ♣ 750-1,500 Gallons / Month
- ♣ 15-25 Gallons / Minute
- ♣ 20-25 Gallons / Day
- ♣ 250 Gallons / Cycle
- ♣ 500 Gallons / Month
- ♣ 20 Gallons / Day
- ♣ 1,200 Gallons / Year / Nozzle
- ♣ 20-25 Gallons / Day
- ♣ 40 Gallons / Day
- ♣ 1,000-1,800 Gallons / Month
- ♣ 20-30 Gallons / Day / 1,000 ft²

Outdoor Cleaning

- ♣ Clean sidewalks and driveways with **broom** rather than hose
- ♣ Take car to car **wash**, or at least use a **self-closing hose nozzle**
- ♣ Use **pool and spa covers**
- ♣ Repair **leaks** around hose bibs, spigots, pool and spa pumps
- ♣ Clean pool filter manually rather than **backwash**

- ♣ 8-18 Gallons / Minute
- ♣ 8-18 Gallons / Minute
- ♣ 30 Gallons / Day
- ♣ 15-20 Gallons / Day / Leak
- ♣ 250-1,000 Gallons / Cleaning

Indoor Living

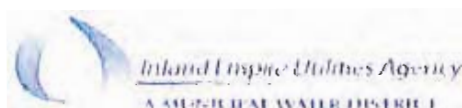
- ♣ Fix **leaky faucets** and toilets
- ♣ Install **aerators** on all faucets
- ♣ Run only **full loads** in your clothes and dish washers
- ♣ Keep **showers** to less than 10 minutes
- ♣ Turn off water when **brushing teeth** or **shaving**
- ♣ Don't use toilet as a **trash can**
- ♣ Replace old toilet with more **efficient toilet** *
- ♣ Replace **clothes washer** with efficient appliance *
- ♣ Replace old **showerhead** with one that uses 2.5 gallons per minute
- ♣ When **hand washing dishes**, fill sink, don't leave water running

- ♣ 20-50 Gallons / Day / Fixture
- ♣ 4.7 Gallons / Day / Faucet
- ♣ 300-800 Gallons / Month
- ♣ 700 Gallons / Month
- ♣ 240 Gallons / Month
- ♣ 400-600 Gallons / Month
- ♣ 2.2-3.8 Gallons / Flush
- ♣ 20-30 Gallons / Load
- ♣ 1,000s of Gallons / Month
- ♣ 2.5 Gallons / Minute

Remember, the water we save today is the water we'll need tomorrow

ICUA's Member Agencies:

- City of Chino
- City of Chino Hills
- Cucamonga Valley Water District
- City of Fontana
- City of Montclair
- City of Ontario
- City of Epland
- Fontana Water Company
- Monte Vista Water District
- San Antonio Water Company



* Rebates Available
For more information
Contact us at (909) 993-1600 or
Visit us at www.ieuua.org

Conversion Landscape Tool

This is an example of a site plan that was created by a program participant, in the City of Ontario, to assist with the landscape design and the plants that they were planning on using in the landscape.

Zone I (Shaded bed)
SPRINKLERS
6" Rain Bird 1800
use VAM Fuzzles

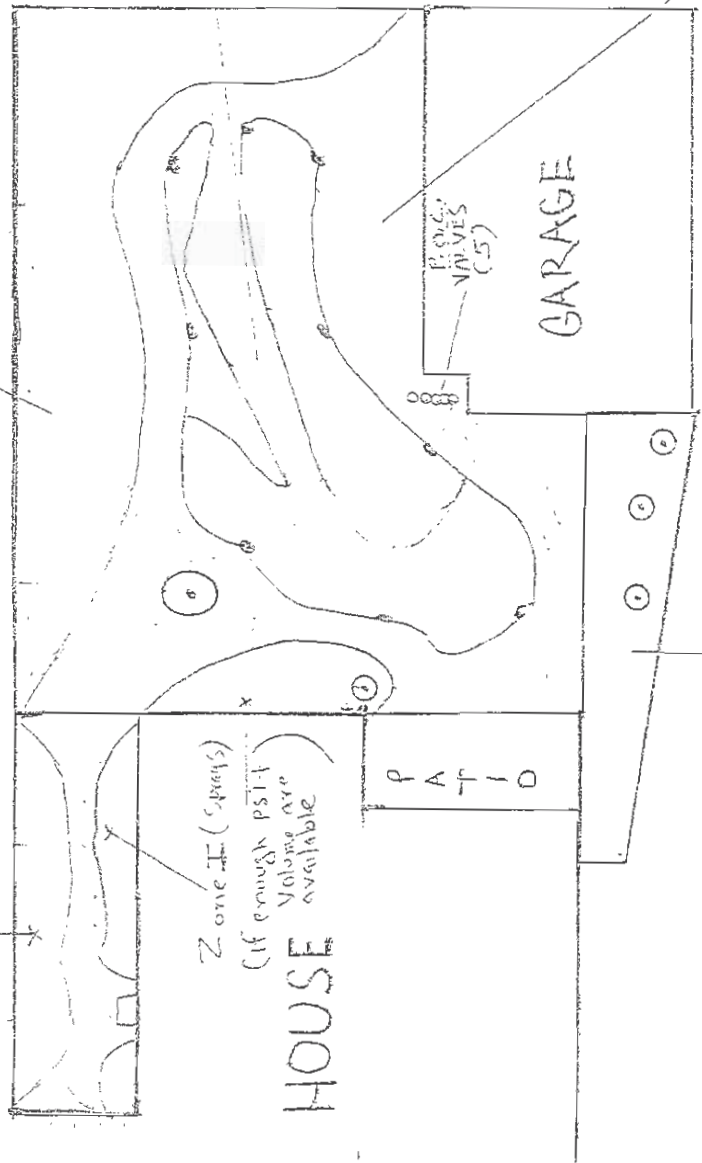
Zone III (Micro-bubblers for shrubs)
Run a couple of lines of
watering tubing for small succulents

Zone II (Springs)
(if enough PSI +
Volume are
available)

Zone V
(Interior) - Sprays
MP Rainbird Mists
6" or 12"
Rain Bird
1800 Sprinkler
Bowers

Zone III
Citrus
(Micro-bubblers)
470 existing
Avocado tree
↓
Sub surface
3" perforated
PVC pipe w/
bubblers

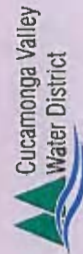
Zone III
(Herbs, small plants, tree, shrubs)



Presentation



WATER WISE RESIDENTIAL LANDSCAPE REBATE PROGRAM EVALUATION PRESENTATION



IEUA MEMBER AGENCY PARTICIPANTS

- City of Chino
- ✕ City of Chino Hills
- ✕ Cucamonga Valley Water District
- ✕ Fontana Water Company
- ✕ Monte Vista Water District
- ✕ City of Ontario
- ✕ San Antonio Water Company
- ✕ City of Upland

PROGRAM BACKGROUND

- ✦ Pilot Program Background
 - ✦ Evaluate the public's interest in
 - ✦ Removing high water consuming turf
 - ✦ Installing new low water use plants/surfaces
 - ✦ Modeled after Southern Nevada Water Authority's and Crescenta Valley Water District's program structures
 - ✦ Subcommittee discussions
 - ✦ Comprised of the Regional Conservation Coordinators
 - ✦ Established the program criteria and the administrative process
- ✦ Program Timeline
 - ✦ Program development - Spring of 2007
 - ✦ Program launched - December of 2007
 - ✦ Program funds expanded - April of 2008
 - ✦ Last application received - December 31, 2008
 - ✦ Program conclusion - July of 2009



PROGRAM GUIDELINES

- ✦ Water Wise Landscape Rebate (\$2/sq. ft.):
 - ✦ Project conversion must remove a minimum of 400 sq. ft.
 - ✦ Maximum allowable rebate of \$2,000 or 1,000 sq. ft. removed
- ✦ Participant Requirements:
 - ✦ Agree to pre- and post site inspections
 - ✦ No restrictions on plant types or site coverage
 - ✦ No irrigation modification requirement
 - ✦ Must install permeable surfaces
 - ✦ No reinstallation of cool season turf
 - ✦ Encouraged to install low water consuming plant materials
 - ✦ Encouraged to modify existing irrigation with drip or sub-surface irrigation technologies
 - ✦ Maintain converted landscaping for five years
 - ✦ Agree to water usage monitoring for five years



WATER WISE APPLICATION SUBMISSION PROCESS



PROGRAM BUDGET & SUMMARY

- Program Budget
 - \$50,000 to convert 30 residential landscapes
 - + Expanded to \$240,620 for 136 completed residential conversions
- Program Marketing
 - + Distributed Advertising Materials include:
 - Newspaper Ads
 - Websites (IEUA and Member Agency sites)
 - Member Agency Newsletters



PILOT PROGRAM SUMMARY

- Total Applications Received: **154**
- Total Conversions Completed: **136**
- ✖ Total Amount of Turf Removed: **182,446 Sq. Ft.**
- ✖ Total Amount of Synthetic Turf Installed: **28,320 Sq. Ft.**
- ✖ Potential Water Savings: **25.5 acre-feet per year**
- ✖ Estimated actual water savings: **26 acre-feet per year**
- ✖ Total Amount Awarded: **\$240,620**



MEASUREMENT & EVALUATION

✘ Three Types of Classifications

- + Models of Success: 61
- + Alternative Landscapes: 23
- + Made the Grade: 52

✘ Site Classifications Are Dependent On

- + Percentage of live plant material coverage
- + Percentage of site conversion paved
 - ✘ Percentage of permeable
 - ✘ Percentage of non-permeable site surfaces



MEASUREMENT & EVALUATION CONT.

✦ Site Evaluation Components

✦ Materials Used Include:

- ✦ CA Friendly Materials- low water using plants
- ✦ Mixed Materials- combination of materials used*
- ✦ Other Plants- high water using plants
- ✦ Gravel- rock

✦ Additional Materials-

syn. turf, permeable pavers, d.g., straw and mulch

✦ State of the Landscape

- ✦ Complete- mature landscaping
- ✦ Transitional- landscaping that is still growing in



PARTICIPANT SITE CLASSIFICATIONS

★ Models of Success (61)

- ★ Landscape design contains a high percentage of plant coverage or a mixture of plant coverage with some permeable materials

Turf Removed: 1,594 Sq. Ft.
Estimated Water Savings: 0.22 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of Landscape: Complete



PARTICIPANT SITE CLASSIFICATIONS CONT.

✘ Alternative Landscapes (23)

- ✘ Landscape design contains a high percentage of “other plant” (non-native plants) coverage or has a low percentage of plant coverage and may contain a higher percentage of hardscape.**

Turf Removed: 970 Sq. Ft.
Estimated Water Savings: 0.14 AF
Amount Awarded: \$2,000
Materials Used: Mixed Materials
State of the Landscape: Complete



PARTICIPANT SITE CLASSIFICATIONS CONT.

✘ Made the Grade (52)

- ✘ Landscape design contains a high percentage of permeable paving surfaces with minimal plant coverage.

Turf Removed: 738 Sq. Ft.
Estimated Water Savings: 0.10 AF
Amount Awarded: \$1,476
Materials Used: Synthetic Turf
State of the Landscape: Complete



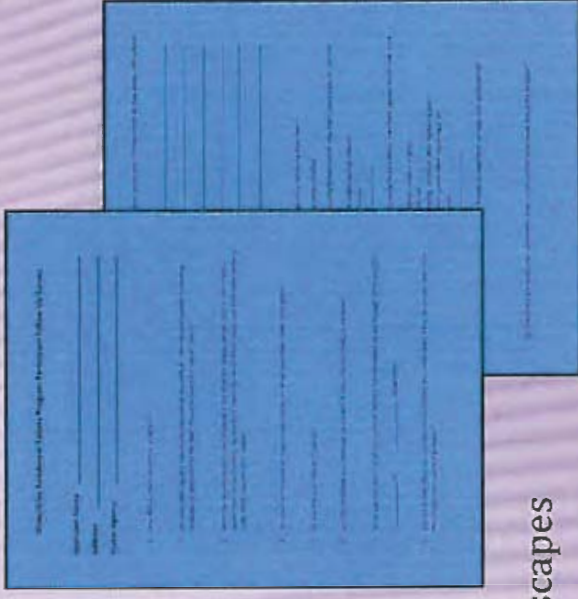
PARTICIPANT SURVEY RESULTS

Total Participants Surveyed: 25

- ✦ Random Sampling
- ✦ Via Telephone
- ✦ Administered by IEUA & member agency staff

✦ General Participant Consensus

- ✦ Participants would like to see program funding come back
- ✦ Participants love their new landscaping
- ✦ Participants have received positive feedback on their new landscapes
- ✦ Many participants have seen a reduction in their water use
- ✦ Participants found the requirements of the program to be clear
- ✦ Participants thought that the program was easy to participate in
- ✦ Participants were heavily influenced by the rebate to convert their landscapes
- ✦ Neighbors and friends of program participants want to convert their own landscapes
- ✦ Free Ridership



PARTICIPANT SURVEY RESULTS CONT.

- ✦ “What participants are saying”
- ✦ “A great project”
- ✦ “Very happy with the results”
- ✦ “It gave us a nudge to go forward with an idea that we had already been considering”
- ✦ “Wanted to do the right thing to reduce imported water supplies during this drought”
- ✦ “Great communication with the water agency”

✦ Participant Design Resources

- ✦ Professional Landscape Architect/Contractor
- ✦ Books
- ✦ Water Wise Information Packet
- ✦ Nurseries (Greenly Nursery)
- ✦ Rancho Santa Ana Botanical Gardens
- ✦ Chino Basin Water Conservation District
- ✦ IEUA Workshops
- ✦ Plant Websites
- ✦ Maloof Discovery Garden
- ✦ City Tours



WATER WISE PROGRAM LESSONS LEARNED

- Built agency recognition
- Strengthened customer relations between agency staff and the public
- Consider lower rebate amount
- Increase maximum conversion area
- ✗ Develop and distribute a recommended plant/materials list
 - + Include where these materials can be purchased and range of pricing
- ✗ Develop and distribute a landscape resource guide containing:
 - + Site Designs
 - + Plant Types
 - + Irrigation Recommendations
 - + Package coordination with AB 1881 activities

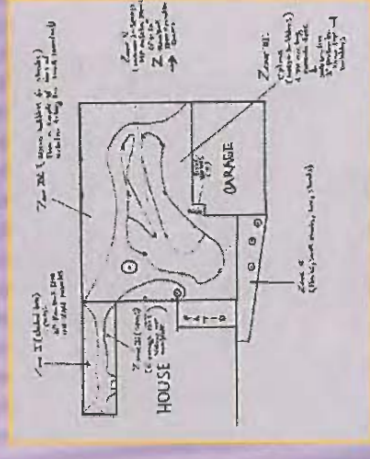
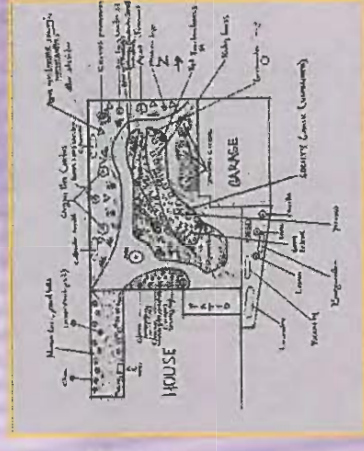


WATER WISE PROGRAM LESSONS LEARNED CONT.

- Refine program requirements to include:
 - Participants must submit a mandatory site plan
 - Restrict participants from installing high water using plants
 - Require that live plant materials must cover a minimum percentage of the design
 - Require that participants modify their irrigation systems
 - Require that only eligible project areas include the front yard

+ Future Program Outlook

- Re-establishment of a Local/Regional Turf Removal Program
- Metropolitan Water District's Turf Removal Program



PARTICIPANT EDUCATIONAL MATERIALS

Distributed Resource Package Material



Backyards from the Ground Up



Are you a homeowner? Do you have a yard? Are you interested in saving water? Do you have a water tank? Do you have a water tank? Do you have a water tank?

Are You Home?
Do you have a yard?
Are you interested in saving water?
Do you have a water tank?
Do you have a water tank?

Are You Home?
Do you have a yard?
Are you interested in saving water?
Do you have a water tank?
Do you have a water tank?



WATER SMART

It's Time to Get Serious About Saving Water

Water is a precious resource. It's essential for life, and it's essential for our economy. We need to conserve water to ensure we have enough for the future. We need to conserve water to ensure we have enough for the future.

It's Time to Get Serious About Saving Water

Water is a precious resource. It's essential for life, and it's essential for our economy. We need to conserve water to ensure we have enough for the future. We need to conserve water to ensure we have enough for the future.

Water Conservation Tips:

- 1. Turn off the tap when brushing your teeth.
- 2. Take shorter showers.
- 3. Fix leaks promptly.
- 4. Use a bucket to wash cars instead of a hose.
- 5. Don't overwater lawns.
- 6. Use a broom instead of a hose to clean patios.
- 7. Use a drought-tolerant lawn.
- 8. Water plants early in the morning or late in the afternoon.
- 9. Use a mulch around plants to keep soil moist.
- 10. Use a drip irrigation system.
- 11. Use a rain barrel to collect water from rain.
- 12. Use a greywater system.
- 13. Use a xeriscape.
- 14. Use a water-saving toilet.
- 15. Use a water-saving showerhead.
- 16. Use a water-saving faucet aerator.
- 17. Use a water-saving dishwasher.
- 18. Use a water-saving washing machine.
- 19. Use a water-saving dryer.
- 20. Use a water-saving refrigerator.



The Beauty of Natives

Discover the beauty of native plants and animals in your area. Learn how to identify them and how to care for them. This poster is a great resource for anyone interested in nature.



Malool Discovery Garden

Malool Discovery Garden is a beautiful garden with many different plants and animals. It's a great place to learn about nature and to enjoy the outdoors. The garden is located in Malool, California.

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