This presentation premiered at WaterSmart Innovations

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Providing Customers with Web-based Climate-appropriate Landscape Design Tools

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Western Municipal Water District
Riverside CA

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Community Works Design Group
Riverside CA

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86%
Of Western's single family residential customers were within budget in July. Are you using more than you need? Click here.
Riverside Tier 5 Pricing Starts In October
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Groundbreaking Partnership Between Western, Corona and Riverside
RIVERSIDE, Calif. – The extension of Western's high-efficiency toilet program, a groundbreaking partnership between Western and the cities of Corona and Riverside, as well as the Metropolitan Water District of Southern California, was approved by... Read on...
Ready, Set, Race: Western Provides Water for Murrieta Community Event While Cleaning Pipelines
MURRIETA, Calif. – Ready, set, race! This Saturday hundreds of participants will run the streets of Historic Downtown Murrieta for the city's annual Murrieta Mud Run, which benefits a local charity. Read on...
Calendar
VIEW ALL
October 1
Engineering, Operations and Water Resources Committee Meeting
October 3
Regular Board Meeting
October 13
Shade Trees are Cool!
November 10
California Native Plant Sale
November 10
Creating Colorful Landscapes with Native and Mediterranean Plants
Your Opinion
Western is researching ways to assist low income customers. A potential funding source is the receipt of donations from existing customers when they pay their monthly water bill. Would you contribute to low income assistance fund if it were available?
Yes
No
SUBMIT
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NOTIFICATION SIGN-UP
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Information to Help You

Water Budget Rates

How are my rates determined? Your water budget rates are determined from basically two components: indoor water use, based on the number of occupants at your residence, and outdoor water use, based on the size of your landscape. Efficient levels of use have been established for each component and are what make up tiers one and two of your water bill. For specific information on how your budget is calculated, click here.

Because the weather changes throughout the year, the most variable portion of one's water budget is outdoor landscaping. Look at the indoor and outdoor water use tables to determine how much water you should be using.

Water-wise Seminars and Events

Periodically Western hosts and presents water-wise seminars and events. See our current calendar of events.

Irrigation Help

Stop watering your landscape every day! Even a conventional lawn does not need watering every day except in extreme heat. Follow these guidelines to schedule your irrigation for more efficient water use.

Up to 30% water savings can be achieved simply by inspecting, repairing, and properly scheduling your irrigation system. It pays to turn your valves on when you can observe them and inspect the system.

Landscape Help

In western Riverside County, 60% or more of typical residential water use goes to landscaping. This makes the landscape an ideal place to look for ways to save water. Check out the following for helpful ideas and resources:

Landscapes Southern California Style - Western's one-acre Conservation Garden. Visit the garden for ideas and additional resources at: 450 Alessandro Blvd., Riverside CA 92508. The garden is open daily from 10:00 am to 4:00 pm daily except for major holidays.

Inland Empire Garden Friendly - A program to help you find climate-appropriate plants.

Water-wise Landscape Contest - Do you have an established water-efficient garden? Show the region that saving water can be beautiful! The contest accepts entries April through May of each year. Check out the contest web site for great ideas and inspiration.

Landscape Design Ideas - Get ideas from these climate-appropriate landscape design templates. More coming soon!

- Anderson Residence
- Bonawitz Residence
- Chamberlin Residence
- Carlson Residence
- Beatty Residence
- Blakely Residence

Irrigation Guidelines

How Should I Schedule My Irrigation?

The following are suggested schedules for watering selected types of plants with selected types of sprinkler heads. Results will vary depending upon the condition and layout of the irrigation system, and the physical characteristics of the land. The schedules assume a condition of clay, or slow draining soil. If faster draining soil exists, then less cycles of longer duration can be used. These schedules are meant only as a guide. Individual sites will vary and will need to be adjusted accordingly. The best time to water is in the early morning hours. Allow 30 to 60 minutes between watering cycles so water has a chance to soak in the soil. The heavier the soil, the longer the soak time needed. As water needs increase, don't add time to cycles, or you will get runoff. Instead, add cycles if a small increase in watering is needed. Otherwise, add watering days. High water use plants would be considered common cool-season turfgrasses such as Tall Fescue (Marathon, etc.). Low water use plants would be most trees and established shrubs. Lawns don't need water every day except in extremely hot temperatures.

SPRAY HEADS – High Water Use Plants

Month	Watering days per week	Cycles per day	Minutes per cycle
January	2	3	3
April	3	4	4
July*	4	4	4
October	3	3	4

*Extreme temperatures will require more water.

SPRAY HEADS – Low Water Use Plants

Month	Watering days per week	Cycles per day	Minutes per cycle
January	1	2	4
April	2	3	3
July	2	3	4
October	1	3	4

ROTOR HEADS – High Water Use Plants

Month	Watering days per week	Cycles per day	Minutes per cycle
January	2	3	14
April	3	4	15
July*	4	4	15
October	3	3	15

**Extreme temperatures will require more water.*

ROTOR HEADS – Low Water Use Plants

Month	Watering days per week	Cycles per day	Minutes per cycle
January	1	2	17
April	2	3	12
July	2	3	16
October	1	4	14

Happy neighbors soak up water at the same rate

It's difficult to be water-efficient if neighboring plant materials have vastly different water needs. The practice of grouping plant materials based on water needs is called *hydrozoning*. A California native that requires very little summer water and a water-loving shrub won't make for happy yard neighbors. Select plants and group them according to their water needs.

Plants for brown thumbs!

Looking for some ideal choices in water-efficient plants? Try these! They are uniquely attractive, water-wise and easy to grow – even for the

Western's Water-wise 140

PLANT NAME	DESCRIPTION	GARDEN LOCATION
Hemerocallis Hybrids Daylily	Many bloom colors available. Dwarf varieties available. Some varieties are deciduous.	East of the Microclimate House and in the Cottage Garden.
Heteromeles arbutifolia Christmas Berry, Toyon	California native. Small tree or large shrub. Red berries in fall and winter provide food for birds.	In the northwest corner of the garden, across the walkway from the birdbath.
Iris douglasiana Pacific Coast Iris	For informal gardens. Plant under shady trees in Inland Empire. Native to Pacific coast states.	East of the Microclimate House, across the walk from the Myrtus hedges.
Juniperus chinensis procumbens 'Nana' No common name	Curved branches. Bluish-green foliage. Very low growing if planted with room to grow.	East side of the Wisteria Patio.

one
Unknown Zone | Protected Mode: On

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Water Saving Tip:

Apply a 2" layer of mulch around plants to reduce moisture loss.

Choose organic mulches, such as shredded bark, compost, or aged sawdust.

Inorganic mulches such as gravel are also acceptable.

Garden Tours | Garden Gallery | Plants | My List | Watering Tips | Garden Resources | FAQ

WATER WISE GARDENING

FOR THE Inland Empire

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Garden Tours

Glory Garden

Inland Empire Country Living

Color Explosion Garden

California Mediterranean Patio Garden

Garden Rooms Extravaganza

Going Native Garden

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Give Me Color

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Water Saving Tip:

Remember to check your irrigation systems once a month, especially your valves, sprinkler heads, and drip emitters.

If your controller is not a smart controller, it should be reprogrammed as the weather changes.

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Botanical Name: Coreopsis verticillata 'Golden Shower'
Common Name: Thread Leaf Coreopsis

Previous Photo Next Photo Add plant to MyList

Information by:
Photographer: Linda Engstrom

Anatomy | **Culture** | **Design**

Plant Type
Perennial

Height Range
1-3'

Flower Color
Yellow

Flower Season
Spring, Summer

Leaf Color
Green

Bark Color

Fruit Color
n/a

Fruit Season
n/a

Description | **Notes**

This bushy, full-branched perennial will grow 3' tall and 2' wide; it has threadlike leaves with clusters of yellow flowers that bloom in early summer and last until winter.

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Water Saving Tip:

In the fall, unless it is very hot outside, you can reduce your total watering time by 1/2.

Do not reduce run times, reduce the number of watering days.

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There are 3 plants in your List.

Common	Botanical	Water Needs
Catmint	Nepeta X faassenii	Medium
Mexican Blue Sage	Salvia chamaedryoides	Very Low
Thread Leaf Coreopsis	Coreopsis verticillata 'Golden Shower'	Low

Please select one of the following reports

- Hydrozones Report
- All Pictures Report
- Plant Detail Report
- Plant List Report

Remove from list Clear list

This bushy, full-branched perennial will grow 3' tall and 2' wide; it has threadlike leaves with clusters of yellow flowers that bloom in early summer and last until winter.

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Water Wise Tips

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WATER WISE GARDENING FOR THE Inland Empire

Gardening Resources

Top Next

In this section, you will find information on how to design and install a water-wise garden, irrigation methods and equipment that will help you to water your landscape more efficiently, and suggestions on how to easily and effectively maintain your garden. If you have a particular subject in mind, go ahead and find the topic in the following table of contents and just click.

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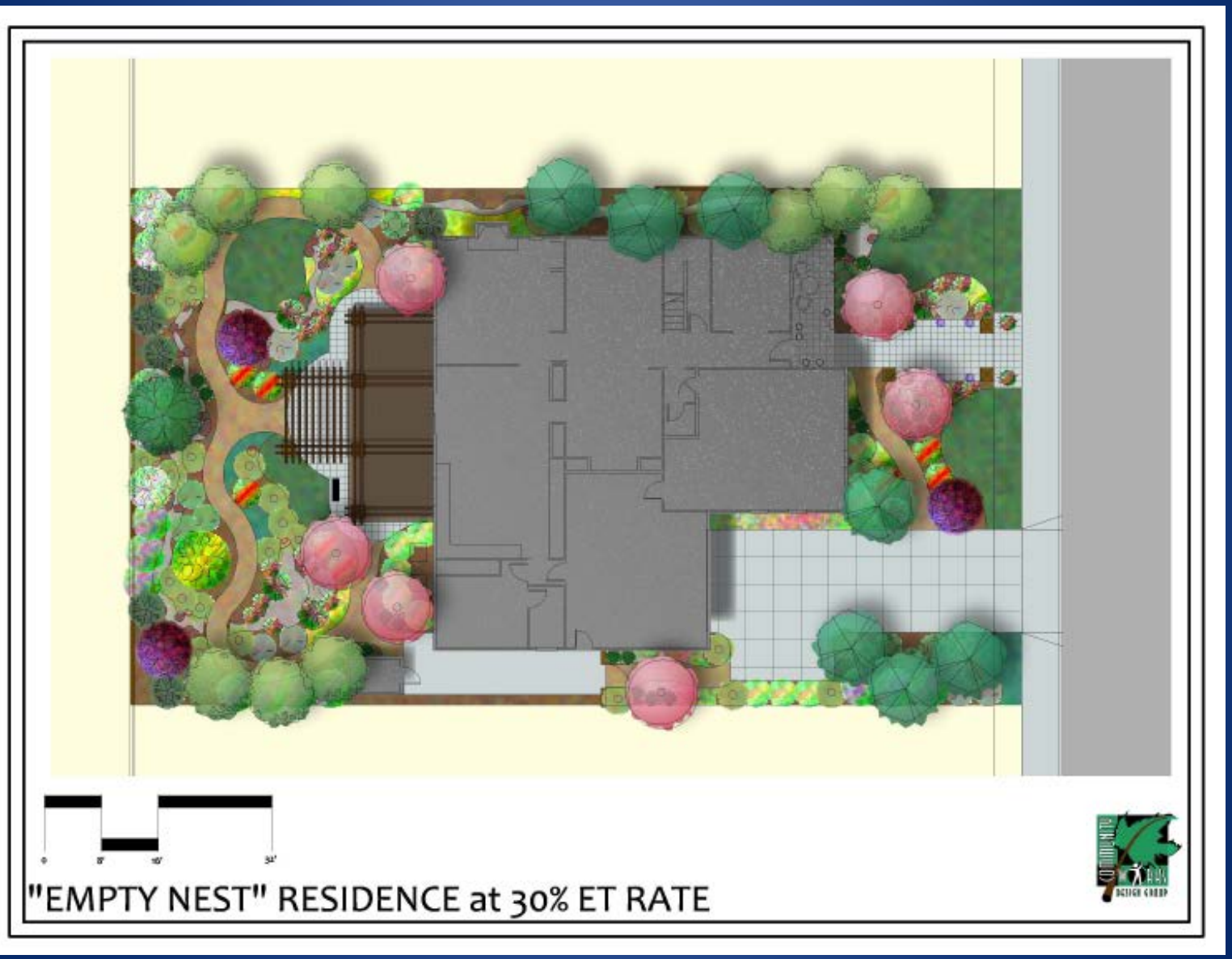
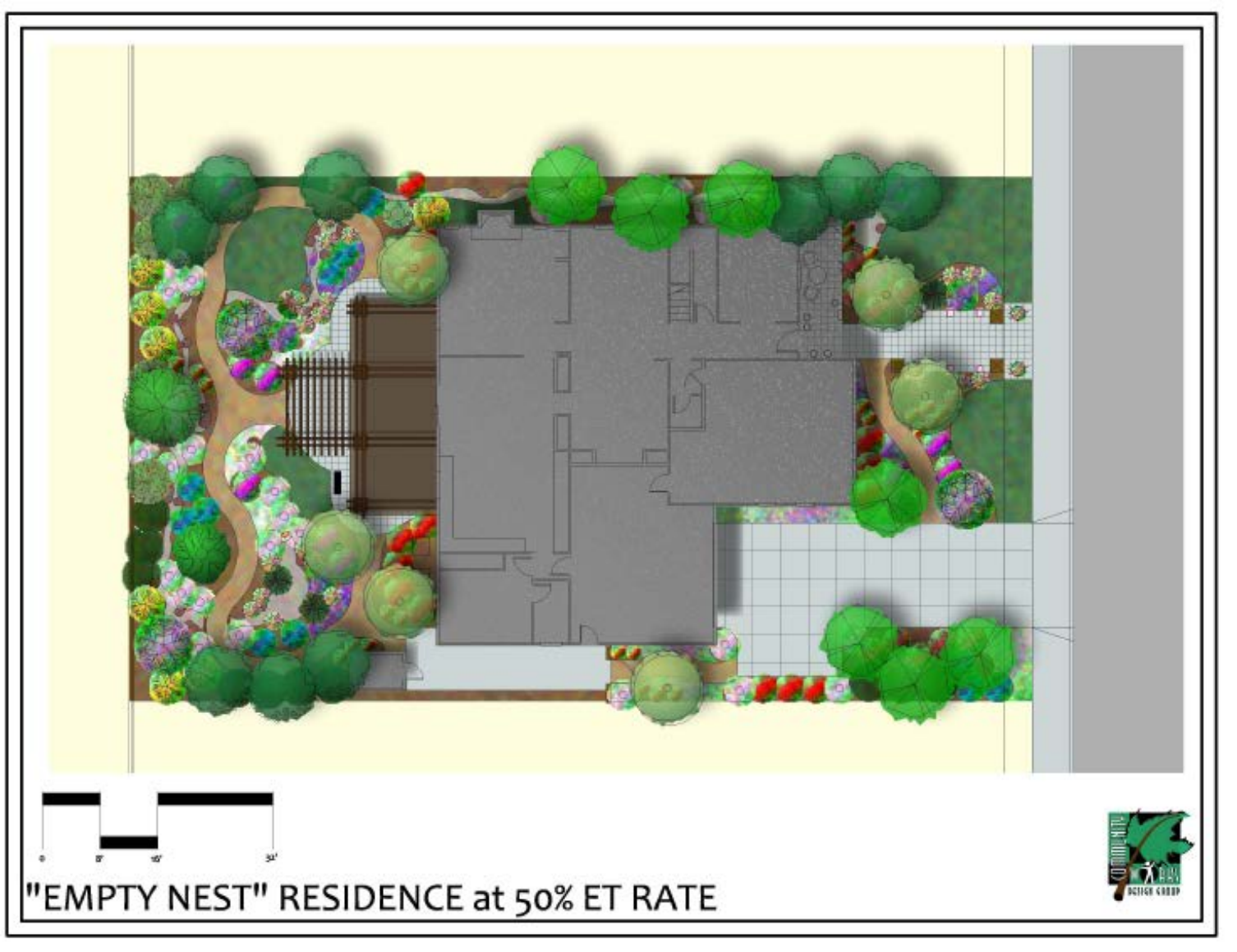
Software Development

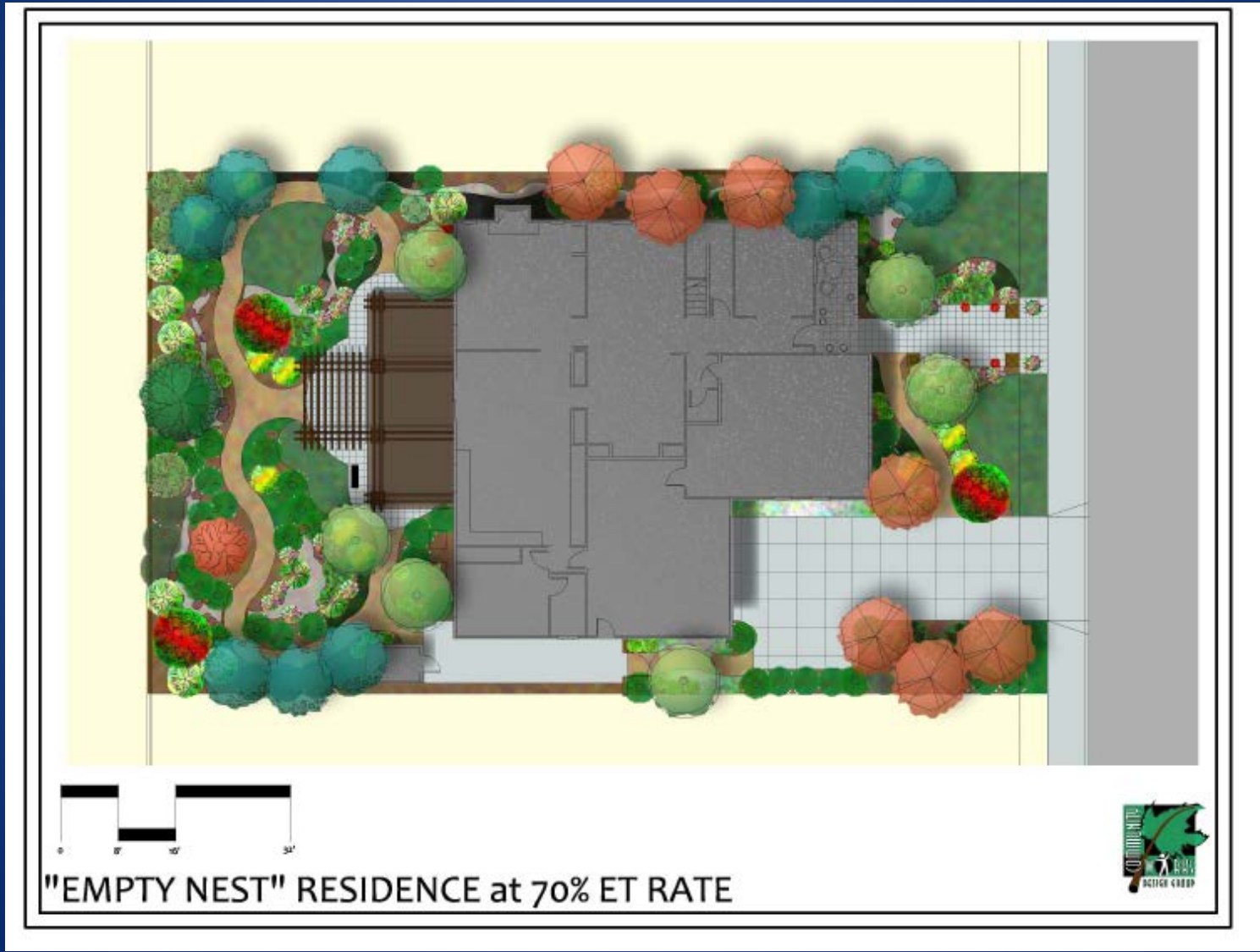
Landscape Plans: Empty Nester, 30% ET



Landscape Plans: Empty Nester, 50% ET



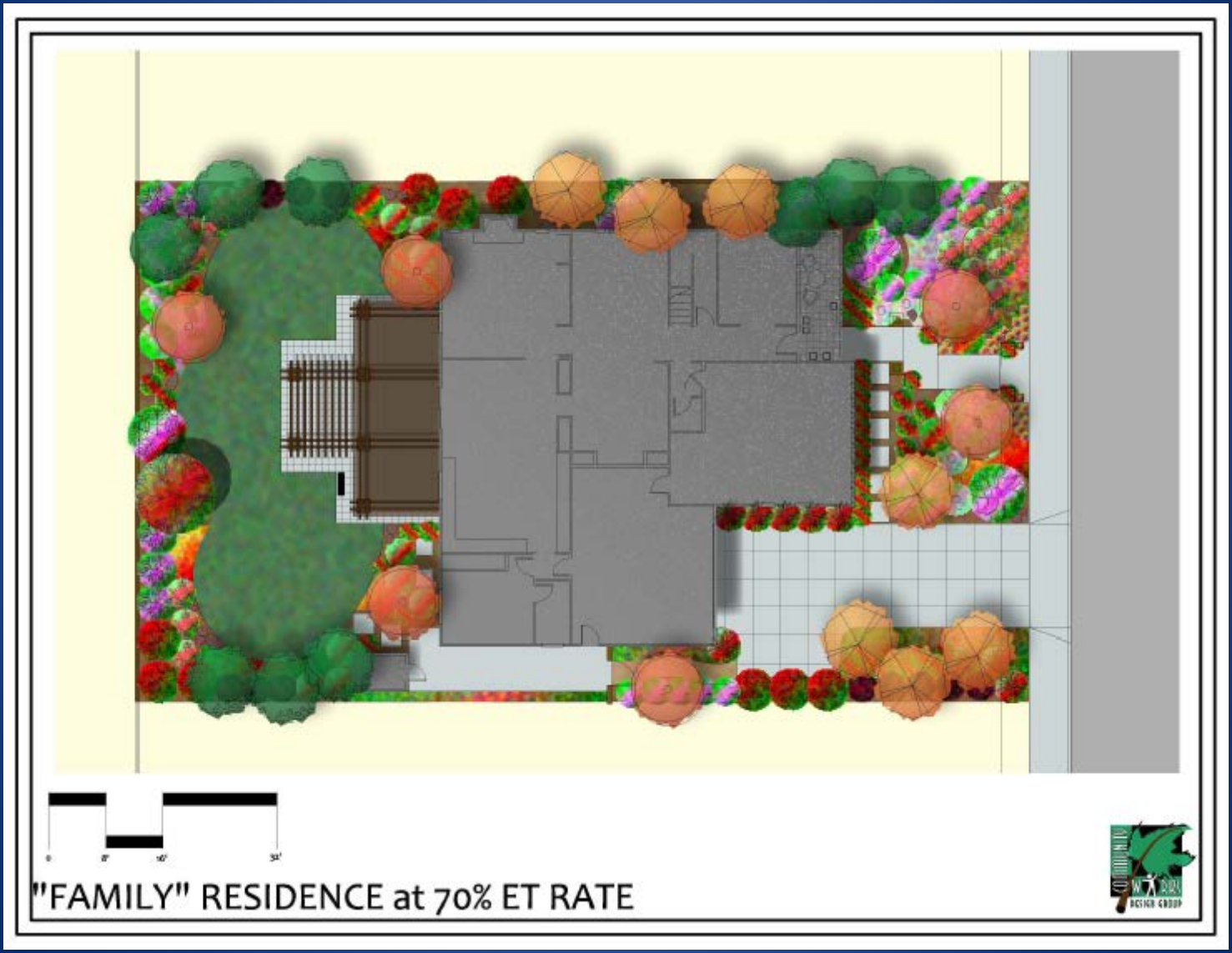
Landscape Plans: Empty Nester, 70% ET



Landscape Plans: Family, 30% ET

Landscape Plans: Family, 50% ET

Landscape Plans: Family, 70% ET



"EMPTY NEST" RESIDENCE AT 30% ET RATE

TREES

BOTANICAL NAME	COMMON NAME	FOLIAGE	SIZE (HEIGHT x WIDTH)	SUN EXPOSURE	SOIL REQUIREMENTS	WATERING REQUIREMENTS	FLOWER COLORS	BLOOM PERIODS	FALL FOLIAGE	FRUIT	SENSITIVE TO FROST	SPECIAL COMMENTS
CHITALPA TASHKENTENSIS	CHITALPA	DECIDUOUS	20'-30' H & W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	PINK	LATE SPRING TO EARLY SUMMER	YELLOW	NONE	NO	HYBRID, SHOWY CLUSTERS OF FLOWERS, LOW BRANCHING
OLEA EUROPAEA 'SWAN HILL'	COMMON OLIVE	EVERGREEN	25'-35' H x 20'-30' W	FULL SUN	ANY SOIL	LOW TO MODERATE WATERING FREQUENCY	MAGENTA	EARLY SPRING	SMALL, EVERGREEN, SILVERY UNDERSIDES	FRUITLESS VARIETY	NO	BROAD TRUNK AT BASE, WHISPY BRANCH HABIT
QUERCUS DOUGLASII	BLUE OAK	DECIDUOUS	25'-50' H & W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	NONE	N/A	SILVERY BLUE LEAVES FADE TO YELLOW	OBOVATE ACORN	NO	NATIVE, PICTURESQUE SHAPE, SILVERY BLUE LEAVES
RHUS LANCEA	AFRICAN SUMAC	EVERGREEN	20'-30' H & W	FULL SUN	THRIVES IN POOR SOIL	TOLERATES LOW WATERING FREQUENCY	YELLOW BLOSSOM	LATE WINTER	FINE TEXTURED, DEEP OLIVE GREEN	SMALL WHITE BERRIES IN CLUSTERS	NO	FRAGRANT CRUSHED LEAVES, LOW BRANCHING, HARDY

SHRUBS

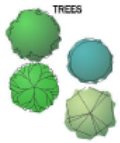
BOTANICAL NAME	COMMON NAME	FOLIAGE	SIZE (HEIGHT x WIDTH)	SUN EXPOSURE	SOIL REQUIREMENTS	WATERING REQUIREMENTS	FLOWER COLORS	BLOOM PERIODS	FALL FOLIAGE	FRUIT	SENSITIVE TO FROST	SPECIAL COMMENTS
AEONIUM ARBOREUM 'KIWI'	TREE AEONIUM	SUCCULENT	2'-3' H x 1'-2' W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	YELLOW	LATE WINTER TO EARLY SPRING	YELLOW & GREEN, RED MARGINS	NONE	YES	COLORFUL CULTIVAR COMES IN VARIETY OF COLORS, INTEREST
ARTEMESIA CALIFORNICA 'MONTARA'	CALIFORNIA SAGEBRUSH	DECIDUOUS	1'-2' H x 3'-5' W	FULL SUN	THRIVES IN POOR SOIL	TOLERATES LOW WATERING FREQUENCY	TINY WHITE	EARLY SPRING	FINE, GRAY GREEN FOLIAGE DIES BACK	NONE	NO	COMPACT, NATIVE CULTIVAR WITH UNIFORM SHAPE
BACCHARIS 'STARN'	STARN BACCHARIS	EVERGREEN	3' H x 4'-5' W	FULL SUN	THRIVES IN POOR SOIL	LOW TO MODERATE WATERING FREQUENCY	TINY WHITE	SPRING	TINY, TOOTHED, EVERGREEN	NONE	NO	NATIVE CULTIVAR DEVELOPED WITH UNIFORM SHAPE
CALAMAGROSTIS x ACUTIFOLIA 'KARL POERSTER'	FEATHER REED GRASS	PERENNIAL	2'-3' H & W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	TAN PLUME	SUMMER	GREEN GRASS BLADES DIES BACK IN WINTER	NONE	NO	COOL-SEASON GRASS GROWS UPRIGHT WITH TALL INFLORESCENCE
CRASSULA ARBORESCENS	SILVER DOLLAR PLANT, SILVER JADE PLANT	SUCCULENT	3'-4' H & W	FULL SUN TO PART SHADE	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	WHITE	FALL TO SPRING	ROUND GRAY LEAVES WITH PURPLE MARGINS	NONE	YES	SLOW GROWING, STOCKY GROWTH HABIT, GOOD CONTAINER PLANT
CRASSULA OVATA	JADE PLANT	SUCCULENT	6'-9' H & W	FULL SUN TO PART SHADE	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	WHITE	LATE FALL TO EARLY SPRING	SMOOTH EMERALD GREEN, RED MARGINS	NONE	YES	TYPICAL JADE PLANT, INDOOR OR OUTDOOR CONTAINER PLANT
DALEA PULCHRA	INDIGO BUSH	EVERGREEN	4'-6' H & W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	PURPLE	EARLY SPRING	SILVERY GREEN, EVERGREEN ROSETTES	NONE	NO	BIRD & BUTTERFLY ATTRACTANT, HARDY, EXTREMELY ADAPTIVE
DENDROMECON HARFORDII	ISLAND BUSH POPPY	EVERGREEN	6'-10' H & W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	YELLOW CUPS	SPRING	PALE BLUE-GREEN, OVAL, EVERGREEN	NONE	NO	GREAT CONTRAST BETWEEN BRIGHT FLOWER & SILVERY FOLIAGE
ECHEVARIA 'AFTERGLOW'	SILVER HENS & CHICKS	SUCCULENT	15"-18" H x 10"-12" W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	ROSY STALK	SPRING	PURPLE LEAVES WITH RED MARGINS	NONE	YES	COLORFUL FOLIAGE PLANT, UNUSUAL FLOWER STALK, CONTAINER PLANT
GREVILLEA JUNIPERUM 'MOLONGO'	JUNIPER GREVILLEA	EVERGREEN	2'-3' H x 4'-6' W	FULL SUN	THRIVES IN POOR SOILS	LOW TO MODERATE WATERING FREQUENCY	ORANGE	SUMMER	LIGHT, EVERGREEN NEEDLES	NONE	NO	COLORFUL, SPIDER-LIKE FLOWER, HARDY EVERGREEN SHRUB
HESPERALOE PARVIFLORA	RED YUCCA	PERENNIAL	3'-4' H & W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	RED TUBES	SUMMER	DARK OLIVE-GREEN, TAPER TO A POINT	NONE	NO	GRASS-LIKE PLANT PRODUCES FLOWERS ON LONG STEMS
KALANCHOE BEHARENSIS	FELT PLANT	SUCCULENT PERENNIAL	5'-7' H & W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	NONE	N/A	LARGE, FELT-LIKE, WAVY BROWN MARGINS	NONE	YES	LARGE, KNOBBY STEM, FELT-LIKE LEAF PERENNIAL, SPECIMEN
LEONOTIS LEONURUS	LION'S TAIL	EVERGREEN	5'-6' H x 4'-5' W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	ORANGE	LATE SPRING TO SUMMER	LONG, NARROW, PUNGENT, DEEP GREEN	NONE	NO	FRAGRANT, COLORUL FLOWER DISPLAY, SPRAWLING SHRUB
LEPTOSPERMUM 'DARK SHADOWS'	AUSTRALIAN TEA TREE	EVERGREEN	15'-20' H & W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	WHITE	SPRING THROUGH SUMMER	DEEP PURPLE, LONG, LINEAR LEAVES	NONE	NO	PROLIFIC FLOWERING, AND STRONG PURPLE FOLIAGE COLOR
SALVIA APIANA	WHITE SAGE	PERENNIAL	3'-4' H x 4'-5' W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	WHITE SPIKE	LATE SPRING	WHORLS OF FRAGRANT, SILVERY GREEN	NONE	NO	NATIVE, FRAGRANT, LEAVES HARVESTED FOR HEALING/SCENT

GROUNDCOVERS

BOTANICAL NAME	COMMON NAME	FOLIAGE	SIZE (HEIGHT x WIDTH)	SUN EXPOSURE	SOIL REQUIREMENTS	WATERING REQUIREMENTS	FLOWER COLORS	BLOOM PERIODS	FALL FOLIAGE	FRUIT	SENSITIVE TO FROST	SPECIAL COMMENTS
ALOE STRIATULA	HARDY ALOE	SUCCULENT	10"-15" H x 5'-8' W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	YELLOW	LATE WINTER	LONG, DEEP GREEN, RECURVED LEAVES	NONE	NO	CLUMPING PLANT DEVELOPS INTO SPRAWLING MAT, ACCENT
BAILEYA MULTIRADIATA	DESERT MARIGOLD	PERENNIAL	12"-18" H x 24"-30" W	FULL SUN	THRIVES IN POOR SOIL	TOLERATES LOW WATERING FREQUENCY	YELLOW	LATE WINTER,	SILVERY GREEN, LOBED LEAVES DIE BACK	NONE	YES	COLORFUL, HARDY IN NEARLY EVERY CONDITION
DROSANTHEMUM FLORIBUNDUM	ROSEA ICE PLANT	SUCCULENT	4"-6" H x 5'-6' W	FULL SUN	ANY SOIL	TOLERATES LOW WATERING FREQUENCY	PINK MUM-	LATE SPRING	TINY, PALE GREEN LEAVES WITH DOTS	NONE	YES	VIGOROUS, SPREADING GROUNDCOVER, ADAPTABLE
SENECIO TALINOIDES SSP. MANDRALISCAE	BLUE CHALK STICKS	SUCCULENT	12"-18" H x 2'-3' W	FULL SUN	WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	WHITE BLOOM	EARLY SUMMER	SILVERY BLUE STICKS	NONE	NO	SILVERY BLUE, SPREADING GROUNDCOVER

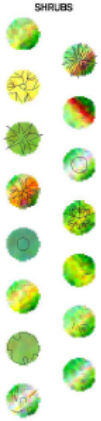
"FAMILY" RESIDENCE AT 50% ET RATE

TREES



BOTANICAL NAME	COMMON NAME	FOLIAGE	SIZE (HEIGHT x WIDTH)	SUN EXPOSURE	SOIL REQUIREMENTS	WATERING REQUIREMENTS	FLOWER COLORS	BLOOM PERIODS	FALL FOLIAGE	FRUIT	SENSITIVE TO FROST	SPECIAL COMMENTS
BRACHYCHITON POPULNEUS	BOTTLE TREE	EVERGREEN	30'-50' H x 30' W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	CREAMY BELLS	EARLY SPRING	GLOSSY, MEDIUM GREEN	N/A	NO	IRREGULAR TRUNK BOWS AT BASE LIKE BOTTLE
CERCIDIUM 'DESERT MUSEUM'	PALO VERDE	DECIDUOUS	10'-18' H & W	FULL SUN	THRIVES IN POOR SOIL	LOW TO MODERATE WATERING FREQUENCY	YELLOW BLOOM	SPRING THROUGH SUMMER	INSIGNIFICANT YELLOW	N/A	NO	THORNLESS CULTIVAR PRODUCED FROM NATIVE TREE, GREEN TRUNK
HYMINESPORUM FLAVUM	SWEETSHADE	EVERGREEN	25'-40' H x 15'-20' W	FULL SUN TO PARTIAL SHADE	PREFERS LOAMY SOILS	REGULAR WATERING FREQUENCY	YELLOW STAR	EARLY SPRING	GLOSSY, DARK GREEN,	1" BROWN SEED CAPSULE,	NO	SWEET FRAGRANCE FROM FLOWERS, UPRIGHT, TALL, SLENDER FORM
PLATANUS RACEMOSA	CALIFORNIA SYCAMORE	DECIDUOUS	40'-80' H x 30'-50' W	FULL SUN	THRIVES IN POOR SOIL	REGULAR WATERING FREQUENCY	NONE	N/A	YELLOW, ORANGE, BROWN	STEMLESS SEED BALL	NO	NATIVE, PEELING BARK EXPOSES MOTTLED COLORS, GRACEFUL HABIT

SHRUBS



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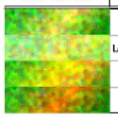
ANIGOZANTHOS 'BUSH GOLD'	DWARF YELLOW KANGAROO PAW	PERENNIAL	12"-18" H & W	FULL SUN	WELL DRAINED	REGULAR WATERING FREQUENCY	YELLOW PAWS	MID-SPRING TO EARLY SUMMER	GREEN, STRAP-LIKE BLADES	N/A	YES	FLOWER STALKS EXTEND ABOVE STRAP-LIKE FOLIAGE, LONG BLOOM
ANIGOZANTHOS 'HARMONY'	YELLOW KANGAROO PAW	PERENNIAL	2'-5' H & W	FULL SUN	WELL DRAINED	REGULAR WATERING FREQUENCY	YELLOW PAWS	MID-SPRING TO EARLY SUMMER	GREEN, STRAP-LIKE BLADES	N/A	YES	FLOWER STALKS EXTEND ABOVE STRAP-LIKE FOLIAGE, LONG BLOOM
BERBERIS THUNBERGII 'AUREA'	YELLOW JAPANESE BARBERRY	EVERGREEN	2'-3' H & W	PARTIAL SHADE	WELL DRAINED	REGULAR WATERING FREQUENCY	YELLOW PEA	SPRING	BRIGHT YELLOW	N/A	NO	SPINY CULTIVAR CAN BE PRUNED INTO HEDGE
CAESALPINIA PULCHERRIMA 'PHOENIX BIRD'	'PHOENIX' BIRD OF PARADISE	DECIDUOUS	5'-6' H & W	FULL SUN	ANY SOIL	LOW TO MODERATE WATERING FREQUENCY	YELLOW CLUSTERS	LATE SPRING THROUGH SUMMER	BLUE-GREEN, SMALL	N/A	YES	WEEKLY WATERING DURING SUMMER INCREASES BLOOMS
CAREX ELATA 'AUREA'	BOWLES' GOLDEN SEDGE	PERENNIAL	18" H x 2'-3' W	PARTIAL TO FULL SHADE	WELL DRAINED	REGULAR WATERING FREQUENCY	NONE	N/A	YELLOW-GREEN	N/A	NO	CLUMPING GROWTH HABIT WITH SOFT TEXTURED GRASS-LIKE BLADES
CISTUS SALVIIFOLIUS	SAGELEAF ROCKROSE	EVERGREEN	12'-18' H x 5'-6' W	FULL SUN	THRIVES IN POOR SOIL	LOW TO MODERATE WATERING FREQUENCY	FRIED EGG	EARLY SPRING	FUZZY, AROMATIC, SAGE-	N/A	NO	FRAGRANT, COMPACT SPECIES, WORKS WELL ON SLOPES
COPROSMA REPENS 'EVENING GLOW'	'EVENING GLOW' MIRROR PLANT	EVERGREEN	4'-5' H & W	FULL SUN	ANY SOIL	REGULAR WATERING FREQUENCY	NONE	N/A	GREEN/YELLOW VARIGATION	N/A	NO	HARDY PLANT WITH COLORFUL VARIGATION AND REDDISH TINT
FREMONTODENDRON 'CALIFORNIA GLORY'	FLANNEL BUSH	EVERGREEN	15'-20' H & W	FULL SUN	ACIDIC, WELL DRAINED	TOLERATES LOW WATERING FREQUENCY	YELLOW BLOSSOM	EARLY SPRING	FUZZY, DARK GREEN TOP,	N/A	NO	NATIVE, LARGE FLOWERING ACCENT SHRUB
HELICTOTRICHON SEMPERVIRENS	BLUE OAT GRASS	EVERGREEN	24"-30" H & W	FULL SUN	WELL DRAINED	REGULAR WATERING FREQUENCY	WHEAT INFLORESC.	EARLY SUMMER	POINTED, BLUE GRASS	N/A	NO	SILVERY BLUE CLUMPING GRASS, WHEAT-LIKE INFLORESCENCE
HEMEROCALLIS 'STELLA D'ORO'	YELLOW DAYLILY	EVERGREEN	12"-24" H x 2'-3' W	FULL SUN	LOAMY, WELL DRAINED	REGULAR WATERING FREQUENCY	YELLOW BLOOMS	THROUGHOUT SUMMER	GREEN, STRAP-LIKE LEAVES	N/A	NO	LARGE COLORFUL BLOSSOM (VARIETY OF COLORS), LONG BLOOM
HIBISCUS ROSA-SINENSIS 'CALIFORNIA GOLD'	TROPICAL YELLOW HIBISCUS	EVERGREEN	7'-8' H & W	FULL SUN	WELL DRAINED	REGULAR WATERING FREQUENCY	YELLOW BLOSSOM	LATE SUMMER	SHINY, DARK GREEN, DEEPLY	N/A	YES	TROPICAL BLOSSOM ON LARGE EVERGREEN SHRUB
PHLOMIS FRUTICOSA	JERUSALEM SAGE	PERENNIAL	3'-4' H & W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	YELLOW WHORLS	SPRING THROUGH SUMMER	TEXTURED, FELT-LIKE, PALE	N/A	YES	SILVERY SHRUBS WITH PROFUSE FLOWERING
PHORMIUM 'GOLD SWORD'	'GOLD SWORD' NEW ZEALAND FLAX	EVERGREEN	5'-6' H & W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	NONE	N/A	YELLOW W/GREEN MARGINS	N/A	NO	FOLIAGE PLANT, VARIETY OF COLORFUL CULTIVARS
PITTOSPORUM TOBIRA 'VARIEGATA'	VARIEGATED JAPANESE PITTOSPORUM	EVERGREEN	8'-10' H & W	FULL SUN	ANY SOIL	REGULAR WATERING FREQUENCY	YELLOW CLUSTER	SPRING	VARIEGATED GREEN LEAVES	N/A	NO	VARIEGATED EVERGREEN FOLIAGE
ROMNEYA COULTERI 'WHITE CLOUD'	MATILIJA POPPY	PERENNIAL	6'-10' H & W	FULL SUN	ANY SOIL	TOLERATES LOW WATERING FREQUENCY	FRIED EGG	SPRING	BLUE-GREEN, DEEP LOBES	N/A	NO	KNOWN AS "FRIED EGG PLANT" FOR BLOOM, LARGE SPRAWLING SHRUB

GROUNDCOVERS



BOTANICAL NAME	COMMON NAME	FOLIAGE	SIZE (HEIGHT x WIDTH)	SUN EXPOSURE	SOIL REQUIREMENTS	WATERING REQUIREMENTS	FLOWER COLORS	BLOOM PERIODS	FALL FOLIAGE	FRUIT	SENSITIVE TO FROST	SPECIAL COMMENTS
ACHILLEA 'MOONSHINE'	YELLOW YARROW	PERENNIAL	2' H x 2'-3' W	FULL SUN	ANY SOIL	LOW TO MODERATE WATERING FREQUENCY	YELLOW CROWN	LATE SPRING THROUGH EARLY FALL	AROMATIC, FERN-LIKE	N/A	NO	SILVERY FOLIAGE WITH BRIGHT YELLOW CROWN FLOWER HEAD
LAMPRANTHUS AURANTIACUS 'GLAUCUS'	YELLOW ICE PLANT	SUCCULENT	15"-18" H x 4'-5' W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	YELLOW BLOOM	LATE WINTER TO EARLY SPRING	FLESHY, THREE SIDED, DULL-	N/A	YES	COLORFUL YELLOW BLOOMS COVERING PLANT
LANTANA x 'LEMON SWIRL'	VARIEGATED YELLOW LANTANA	EVERGREEN	1'-2' H x 2'-3' W	FULL SUN	THRIVES IN POOR SOIL	LOW TO MODERATE WATERING FREQUENCY	YELLOW CLUSTER	SPRING THROUGH FALL	VARIEGATED YELLOW & GREEN	N/A	YES	COLORFUL YELLOW BLOOM, VARIEGATED LEAF VARIETY
SANTOLINA CHAMAECYPARISUS	LAVENDER COTTON	PERENNIAL	1'-2' H x 2'-3' W	FULL SUN	WELL DRAINED	LOW TO MODERATE WATERING FREQUENCY	YELLOW BALL	SPRING	DISTINCT STEMS, GRAY,	N/A	YES	SILVERY FOLIAGE, BRIGHT YELLOW FLOWERS

WESTERN WATER•WISE

Landscape Contest

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2012 regional winners

View the awards page for images

Richard Hirohag
Inland Empire Utilities Agency

Marianela Soberanes
Eastern Municipal Water District

Martha Saenz
Riverside Public Utilities

2012 local winners

Perry Schaefer
City of Corona

Ellen Heraty
Eastern Municipal Water District

Linda Wallace
Elsinore Valley Municipal Water District

Belle Fontana
Jurupa Community Services District

Bonnie Renfro

Western Municipal Water District and its partners want to recognize **water-efficient residential landscapes!**

For excellent ideas, exhibits, resources and classes, visit Western's water conservation garden, Landscapes Southern California Styles located at 450 E. Alessandro Blvd. in Riverside. You can also phone us at 951.571-7100.

Show the region that using less water can be beautiful.

Your masterpiece may be the one that gets selected from the entries to receive honors and prizes while also being showcased on our website!

WESTERN WATER•WISE

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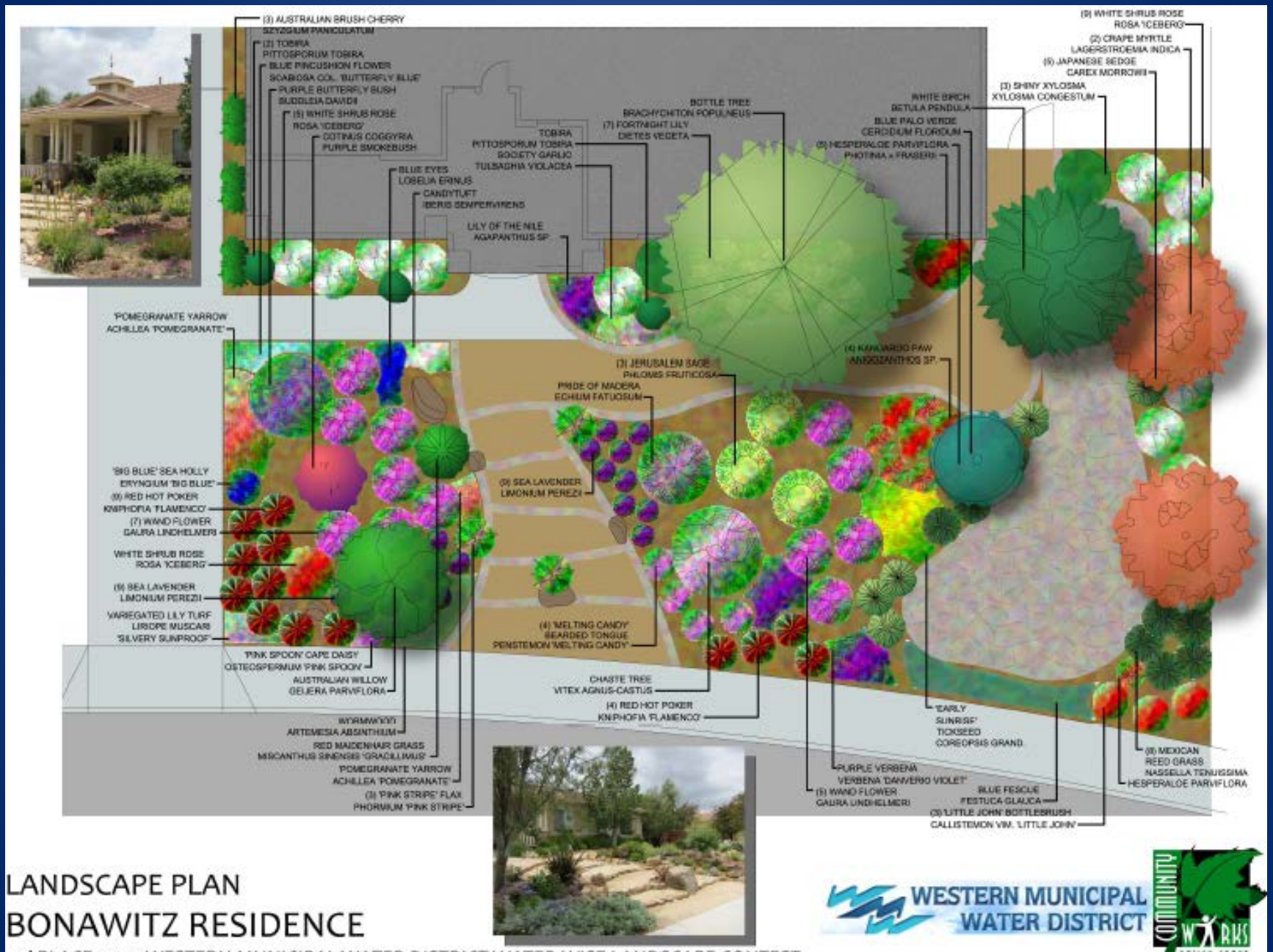


LANDSCAPE PLAN

BONAWITZ RESIDENCE

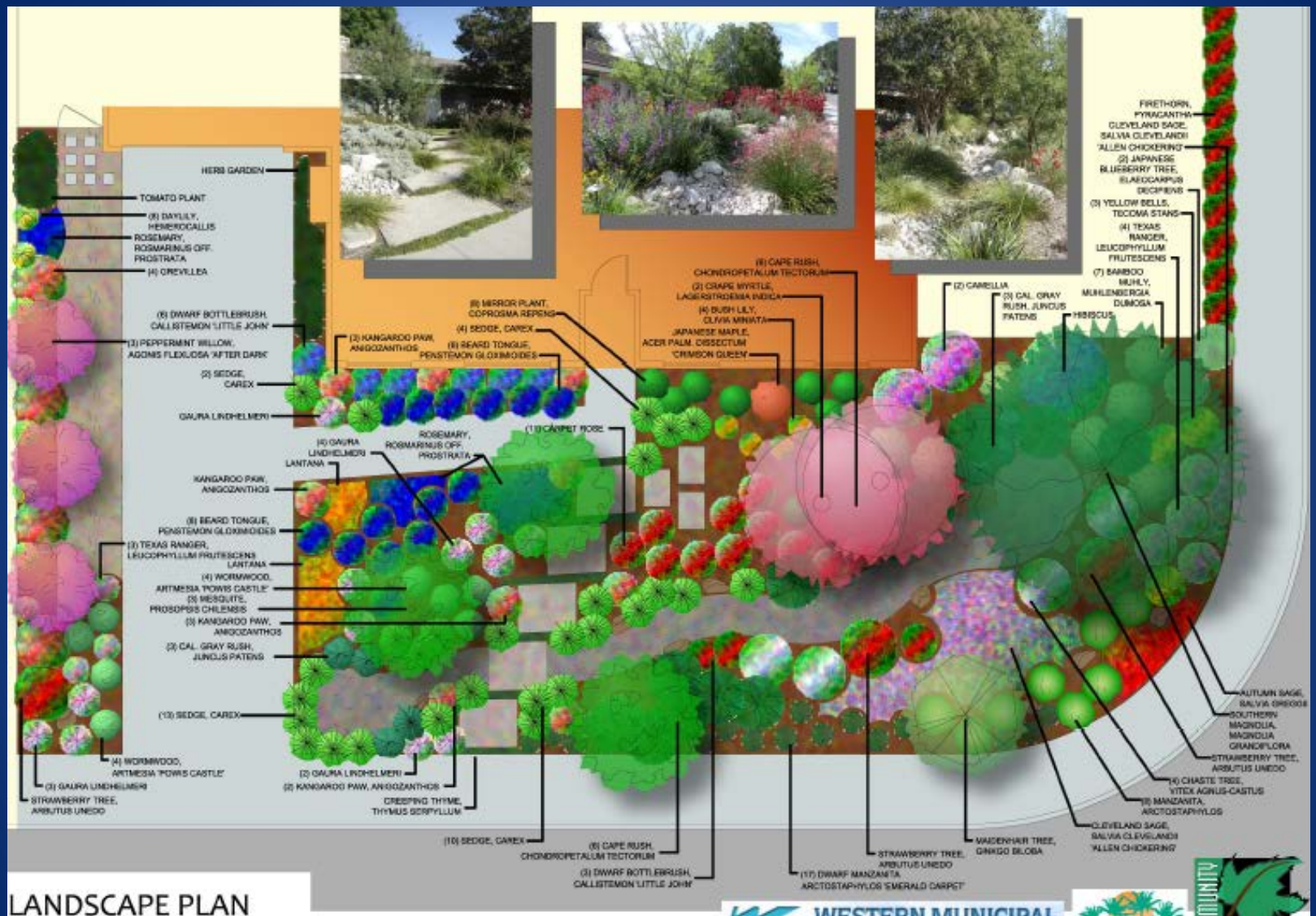
2nd PLACE - 2011 WESTERN MUNICIPAL WATER DISTRICT WATER-WISE LANDSCAPE CONTEST

WESTERN MUNICIPAL WATER DISTRICT

COMMUNITY WORKS DESIGN GROUP

PLANTING LEGEND:

BOTANIC NAME	COMMON NAME
TREES	
BETULA PENDULA	WHITE BIRCH (EXISTING)
BRACHYCHITON POPULNEUS	BOTTLE TREE (EXISTING)
CERCIDIUM FLORIDUM	BLUE PALO VERDE
GEIJERA PARVIFLORA	AUSTRALIAN WILLOW
LAGERSTROEMIA INDICA	CRAPE MYRTLE
SHRUBS	
ANIGOZANTHOS SP.	RED & ORANGE KANGAROO PAW
BUDDLEIA SP.	PURPLE BUTTERFLY BUSH
CALLISTEMON VIMINALIS 'LITTLE JOHN'	'LITTLE JOHN' BOTTLEBRUSH
CAREX MORROWII	JAPANESE SEDGE
COTINUS COGGYRIA	PURPLE SMOKEBUSH
DIETES VEGETA	FORTNIGHT LILY
ECHIUM FATUOSUM	PRIDE OF MADEIRA
ERYNGIUM 'BIG BLUE'	'BIG BLUE' SEA HOLLY
GAURA LINDHEIMERI	WAND FLOWER
HESPERALOE PARVIFLORA	HESPERALOE
KNIPHOFIA UVARIA 'FLAMENCO'	RED HOT POKER
LIMONIUM PEREZII	SEA LAVENDER
MISCANTHUS SINENSIS 'GRACILLIMUS'	RED MAINDEHAIR GRASS
NASSELLA TENUISSIMA	MEXICAN REED GRASS
PENSTEMON 'MELTING CANDY'	'MELTING CANDY' BEARDED TONGUE
PHLOMIS FRUTICOSA	JERUSALEM SAGE
PHORMIUM 'PINK STRIPE'	'PINK STRIPE' FLAX
PHOTINIA x FRASERI	PHOTINIA
PITTOSPORUM TOBIRA	TOBIRA
ROSA 'ICEBERG'	WHITE SHRUB ROSE
SZYZGIUM PANICULATUM	AUSTRALIAN BRUSH CHERRY
VITEX AGNUS—CASTUS	CHASTE TREE
XYLOSMA CONGESTUM	SHINY XYLOSMA
GROUNDCOVERS	
ACHILLEA 'POMEGRANATE'	'POMEGRANATE' YARROW
AGAPANTHUS SP.	LILY OF THE NILE
ARTEMISIA ABSINTHIUM	WORMWOOD
COREOPSIS GRANDIFLORA 'EARLY SUNRISE'	'EARLY SUNRISE' TICKSEED
FESTUCA GLAUCA	BLUE FESCUE
IBERIS SEMPERVIRENS	CANDYTUFT
LIRIOPE MUSCARI 'SILVERY SUNPROOF'	VARIEGATED LILY TURF
LOBELIA ERINUS	BLUE EYES
OSTEOSPERMUM 'PINK SPOON'	'PINK SPOON' CAPE DAISY
SCABIOSA COLUMBARIA 'BUTTERFLY BLUE'	BLUE PINCUSHION FLOWER
TULBAGHIA VIOLACEA	SOCIETY GARLIC
VERBENA 'DAMVERVIO VIOLET'	PURPLE VERBENA


HERB GARDEN
TOMATO PLANT
(8) DAYLILY, HEMEROCALLIS
ROSEMARY, ROSMARINUS OFF. PROSTRATA
(4) GREVILLEA
(6) DWARF BOTTLEBRUSH, CALLISTEMON 'LITTLE JOHN'
(3) PEPPERMINT WILLOW, AGONIS FLEXUOSA 'AFTER DARK'
(2) SEDGE, CAREX
GAURA LINDHELMERI
(2) KANGAROO PAW, ANIGOZANTHOS
(8) BEARD TONGUE, PENSTEMON GLOXINIOIDES
(8) MIRROR PLANT, COPROSMA REPENS
(4) SEDGE, CAREX
(8) CAPE RUSH, CHONDROPETALUM TECTORUM
(2) CRAPE MYRTLE, LAGERSTROEMIA INDICA
(4) BUSH LILY, CLIVIA MINIATA
JAPANESE MAPLE, ACER PALM. DISSECTUM 'CRIMSON QUEEN'
(2) CAMELLIA
(3) CAL. GRAY RUSH, JUNCUS PATENS
HIBISCUS
FIRETHORN, PYRACANTHA
CLEVELAND SAGE, SALVIA CLEVELANDI 'ALLEN CHICKERING'
(2) JAPANESE BLUEBERRY TREE, ELAEOCARPUS DECIPIENS
(3) YELLOW BELLS, TECOMA STANS
(4) TEXAS RANGER, LEUCOPHYLLUM FRUTESCENS
(7) BAMBOO MUHLY, MUHLENBERGIA DUMOSA
(10) CARPET ROSE
(4) GAURA LINDHELMERI
ROSEMARY, ROSMARINUS OFF. PROSTRATA
LANTANA
KANGAROO PAW, ANIGOZANTHOS
(8) BEARD TONGUE, PENSTEMON GLOXINIOIDES
(3) TEXAS RANGER, LEUCOPHYLLUM FRUTESCENS
LANTANA
(4) WORMWOOD, ARTMESIA 'POWIS CASTLE'
(3) MESQUITE, PROSOPSIS CHILENSIS
(3) KANGAROO PAW, ANIGOZANTHOS
(3) CAL. GRAY RUSH, JUNCUS PATENS
(13) SEDGE, CAREX
(4) WORMWOOD, ARTMESIA 'POWIS CASTLE'
(3) GAURA LINDHELMERI
STRAWBERRY TREE, ARBUTUS UNEDO
(2) GAURA LINDHELMERI
(2) KANGAROO PAW, ANIGOZANTHOS
CREEPING THYME, THYMUS SERPYLLUM
(10) SEDGE, CAREX
(8) CAPE RUSH, CHONDROPETALUM TECTORUM
(3) DWARF BOTTLEBRUSH, CALLISTEMON 'LITTLE JOHN'
(17) DWARF MANZANITA, ARCTOSTAPHYLOS 'EMERALD CARPET'
STRAWBERRY TREE, ARBUTUS UNEDO
MAIDENHAIR TREE, GINKGO BILOBA
CLEVELAND SAGE, SALVIA CLEVELANDI 'ALLEN CHICKERING'
(8) MANZANITA, ARCTOSTAPHYLOS
(4) CHASTE TREE, VITEX AGNUS-CASTUS
STRAWBERRY TREE, ARBUTUS UNEDO
SOUTHERN MAGNOLIA, MAGNOLIA GRANDIFLORA
AUTUMN SAGE, SALVIA GREGGII
LANDSCAPE PLAN
CARLSON RESIDENCE
1st PLACE - 2011 WESTERN MUNICIPAL WATER DISTRICT WATER-WISE LANDSCAPE CONTEST
WESTERN MUNICIPAL WATER DISTRICT
Paradise Garden Center
COMMUNITY WORKS DESIGN GROUP
LANDSCAPE ARCHITECTURE

PLANT LIST

BOTANIC NAME	COMMON NAME
TREES	
ACER PALMATUM DISSECTUM	THREADLEAF JAPANESE MAPLE
AGONIS FLEXUOSA 'AFTER DARK'	PEPPERMINT WILLOW
ARBUTUS UNEDO	STRAWBERRY TREE
GINKGO BILOBA	MAIDENHAIR TREE
LAGERSTROEMIA INDICA	CRAPE MYRTLE (EXISTING)
MAGNOLIA GRANDIFLORA	SOUTHERN MAGNOLIA (EXISTING)
PROSOPSIS CHILENSIS	CHILEAN MESQUITE
SHRUBS	
ANIGOZANTHOS 'BIG RED'	RED KANGAROO PAW
ARCTOSTAPHYLOS 'EMERALD CARPET'	DWARF MANZANITA
ARCTOSTAPHYLOS MANZANITA	MANZANITA
ARTMESIA 'POWIS CASTLE'	WORMWOOD
CALLISTEMON VIMINALIS 'LITTLE JOHN'	DWARF BOTTLEBRUSH
CAMELLIA SP.	CAMELLIA (EXISTING)
CAREX MORROWII	JAPANESE SEDGE
CHONDROPETALUM TECTORUM	CAPE RUSH
CLIVIA MINIATA	BUSH LILY (EXISTING)
COPROSMA REPENS 'MARBLE QUEEN'	VARIEGATED MIRROR PLANT
ELEAOCARPUS DECIPIENS	JAPANESE BLUEBERRY TREE
GAURA LINDHEIMERI	WAND FLOWER
GREVILLEA 'SUPERB'	GREVILLEA
HIBISCUS SYRIACUS	ROSE OF SHARON (EXISTING)
JUNCUS PATENS	CALIFORNIA GRAY RUSH
LEUCOPHYLLUM FRUTESCENS	TEXAS RANGER
MUHLENBERGIA DUMOSA	BAMBOO MUHLY
PENSTEMON GLOXIMIOIDES	BEARD TONGUE
PYRACANTHA COCCINEA	FIREFHORN
ROSA SP.	CARPET ROSE
TECOMA STANS	YELLOW BELLS
VITEX AGNUS-CASTUS	CHASTE TREE
GROUNDCOVERS	
LANTANA 'NEW GOLD'	YELLOW LANTANA
ROSMARINUS OFFICINALIS PROSTRATA	PROSTRATE ROSEMARY
SALVIA CLEVELANDII 'ALLEN CHICKERING'	CLEVELAND SAGE
SALVIA GREGGII	AUTUMN SAGE
THYMUS SERPYLLUM	CREEPING THYME

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Inland Empire Garden Friendly

Save Water

Plant Guide

Save water, and welcome birds, butterflies and admiring neighbors.

Getting your drought tolerant plants established:

The key to getting your new drought tolerant plants established is providing them with the proper amount of water that they need when they need it (NOT when you have programmed your automated irrigation system to water). As a general rule, established drought tolerant plants have extensive root systems that enable them to access water when they need it – but getting a plant that has been grown in a container to have the necessary extensive root system in your garden's soil is another matter. The roots have to "catch up" to be able to support the top growth of the plant. The best way to accomplish this goal is to plant in the fall months, so that the cooler weather and the winter rains allow the plants root system to get a head start on getting their roots out into your garden's soil before the plants get stressed by summer heat and drought.

Many drought tolerant plants have thick leathery leaves that don't wilt, so it can be difficult for a gardener to know when the plant needs water. One of the best ways to assess this is to use a soil moisture tester. Be sure to follow the directions of the tester that you've purchased, and be sure to check BOTH the moisture of the actual root ball of the plant, as well as the adjacent soil where you want the plant's

that not all groundcover plants are flat growing. See plant descriptions for more information.

FOLIAGE:
E: (Evergreen) Indicates that the plant retains all or most of its foliage throughout the year. These plants often will lose some leaves throughout the year or will have a concentrated loss of leaves at one or two times during the year.
D: (Deciduous) Indicates that the plant loses all or most of its foliage during one or more seasons of the year.

OTHER:
California native indicates that the plant is either native to the state of California or that it is native to the Mediterranean climate portion of the west coast (including southwestern Oregon and northwestern Baja California, Mexico). Plants that are derived from these plants are also included.

Bart O'Brien, Director of Special Projects
Rancho Santa Ana Botanic Garden
Claremont, CA www.rsabg.org

Pink Delight
Butterfly Bush
Photo: Plants Express

***Buddleja davidii** - Butterfly bush**
Evergreen large shrubs typically reaching from 10 to 15 ft. tall and equally wide. Coarse textured leaves are about 6 in. long that are dark green above and whitish below. 6 to 12 in. conical flower clusters appear throughout the summer. Plants should be cut back hard every winter. Fragrant flower may be purple, lavender, pink, or whitish and most have an orange center. Purple-flowered forms seem to attract the most butterflies. Dwarf plants are referred to as *B. d.* var. *nanhoensis*, and reach from 3 to 5 ft. tall and have proportionately smaller leaves and flower clusters.

Pink Fairy Duster

***Calliandra* spp. - Fairy duster**
There are 2 primary types in Southern California gardens: **Baja fairy duster** (*C. californica*) has vibrant red flowers. This plant grows much larger – up to 6 ft. tall and may spread even wider. These shrubs often have a rather open growth habit, and are at their best when grown in front of plants. **Pink fairy duster** (*C. eriophylla*) is native to California and has pinkish flowers, and a mature plant typically grows from 2 to 3 ft. tall and spreads to 3 to 5 ft. wide. Some plants will send up additional shoots from underground roots, but these are rarely a problem for most gardens or gardeners.

Sundrops

***Calylophus** spp. - Sundrops**
This perennial's bowl-shaped, 1-in. bright yellow flowers, thin leaves, and wiry stems combine to suggest fragility - yet this durable plant requires very little care or attention. Sundrops will grow to about 1 ft. tall and up to 2 ft. wide. Plants have a long bloom season, from spring - fall, but they may take a break during extreme summer heat especially if grown dry.

Concha California
Wild Lilac

***Ceanothus* spp. - California wild lilac, Ceanothus**
Evergreen small trees, shrubs, and groundcovers with spectacular blue flowers in spring: ***C.* 'Ray Hartman'** can be grown as a small multi-trunked tree, as an informal hedge, or screen up to about 15 ft. tall and wide. Oval-shaped shiny green leaves are attractive and may be 2 in. long. Sky blue flower clusters vary in size with the plants age and can be 2-4 in. long. ***C.* 'Concha'** has a rigid, arching growth habit and may be 8 ft. tall with a wider spread. Indigo blue flowers nearly cover the dark green leaves. Plant this shrub as a spring focal point. ***C. griseus* var. *horizontalis* 'Yankee Point'** is widely grown in California. Lustrous oval leaves make this ground-cover beautiful all year. Plumes of blue flowers adorn the foliage for a month during the spring. These plants can grow large - up to 20 ft. across. Crowded plantings pile up quickly and reach 6 ft. in height. Well spaced plantings pruned each spring to remove upright growth can be kept at 2 - 3 ft. high.

Rockrose
Photo: Plants Express

***Cistus** spp. - Rockrose**
Perfectly adapted to Southern California's climate, these-Mediterranean shrubs are great choices for a dry garden. Mature plants are typically covered with showy white, pink, or rose-colored flowers during the spring. The resinous fragrant foliage may be green, grey, or olive in color. Many plants have low mounding growth habits, making them good groundcovers. Some include white rockrose (*C. x hybridus*), sageleaf rockrose (*C. salviifolius*), pink rockrose (*C. x skanbergii*), and Sunset rockrose (*C.* 'Sunset'). These plants are good for slopes, and combine well with California buckwheat (*Eriogonum fasciculatum*) and rosemary (*Rosmarinus officinalis*).

Burgundy Lace
Desert Willow

***Chilopsis linearis* and X*Chitalpa tashkentensis* - Desert willow and Chitalpa**
Fast growing deciduous trees or large shrubs. Desert willow (*Chilopsis linearis*) is 1 of the parents of the chitalpa, and is well worth growing. Look for the following desert willows: 'Warren Jones' (often evergreen and has large pink flowers), 'Burgundy Lace' with deep purple flowers, 'Regal' has bicolored flowers that are dark purple and pale lavender. There are 2 named selections of chitalpa: 'Morning Cloud' grows up to 25 ft. tall with white flowers and purple lines in the throat, 'Pink Dawn' reaches 15 ft. tall with pale pink flowers. All desert willows and chitalpas appreciate some deep summer irrigation that will result in more flowers.

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Inland Empire Garden Friendly

Plant Lists

With the increasing uncertainty of our future water supplies, the public has become aware of the need to utilize climate-appropriate plants. Unfortunately, most people don't know where to begin. The Inland Empire Garden Friendly program was created to assist consumers in locating and learning about climate-appropriate plants for the Inland Empire. The program provides educational opportunities and easily identifiable and obtainable sources of climateappropriate plants.

An important resource of the program is our featured plant list below. Until the list is fully populated, please refer to our plant list booklet.

Trees

	Scientific Name	Common Name	Garden
	Arbutus 'Marina'	Marina arbutus	
	Arbutus spp.	Arbutus	
	Arbutus unedo	Strawberry tree	
	Arctostaphylos spp.	Manzanita	
	Chilopsis linearis	Desert willow	
	Chilopsis linearis 'Burgundy Lace'	Burgundy Lace desert willow	
	Chilopsis linearis 'Regal'	Regal desert willow	
	Chilopsis linearis 'Warren Jones'	Warren Jones desert willow	
	Grevillea spp.	Grevillea	
	Heteromeles arbutifolia	Toyon	
	Heteromeles arbutifolia 'Claremont'	Claremont toyon	
	Heteromeles arbutifolia 'Davis Gold'	Davis Gold toyon	
	Lagerstroemia 'Biloxi'	Biloxi crape myrtle	
	Lagerstroemia 'Muskogee'	Muskogee crape myrtle	
	Lagerstroemia 'Natchez'	Natchez crape myrtle	

Inland Empire Garden Friendly

<< Retrun to Plant List

Trees

COMMON NAME	SCIENTIFIC NAME
Strawberry tree	Arbutus unedo

EXPOSURE

- [x] Full sun
- [ ] Part sun
- [ ] Shade

DRY SEASON DEEP WATERING

- [x] Once every 4 to 6 weeks
- [x] Once every 2 to 3 weeks
- [ ] One every week or so

TYPE

- [x] Tree
- [x] Shrub
- [ ] Perennial
- [ ] Groundcover
- [ ] Vine

FOILAGE

- [x] Evergreen
- [ ] Deciduous

OTHER

California native: [ ] Some [ ] All [x] None

GARDEN LOCATION

DESCRIPTION

Arbutus unedo

Strawberry tree

www.bewaterwise.com/knowledge01.html

Upcoming Tools

- Western's Garden Plant Database
- Santa Ana Watershed Consumer Handbook