

# This presentation premiered at WaterSmart Innovations

[watersmartinnovations.com](http://watersmartinnovations.com)



# ONTARIO CARES

**Water Smart Innovations  
Thursday, October 8, 2009  
9:30 a.m.**



# **PROGRAM PRESENTERS**

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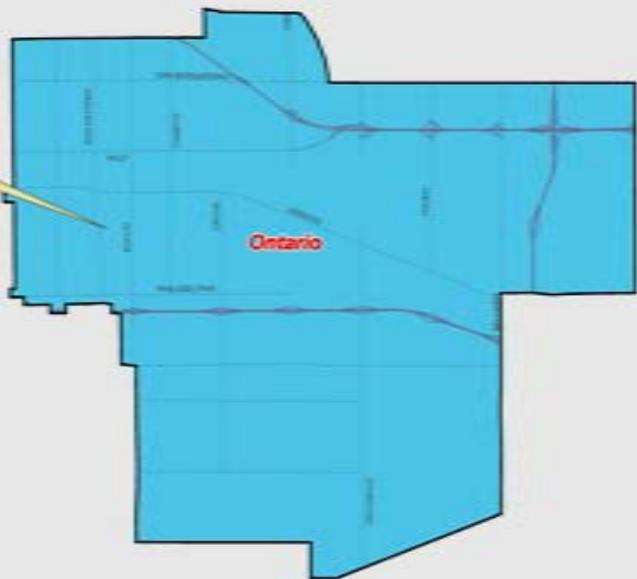
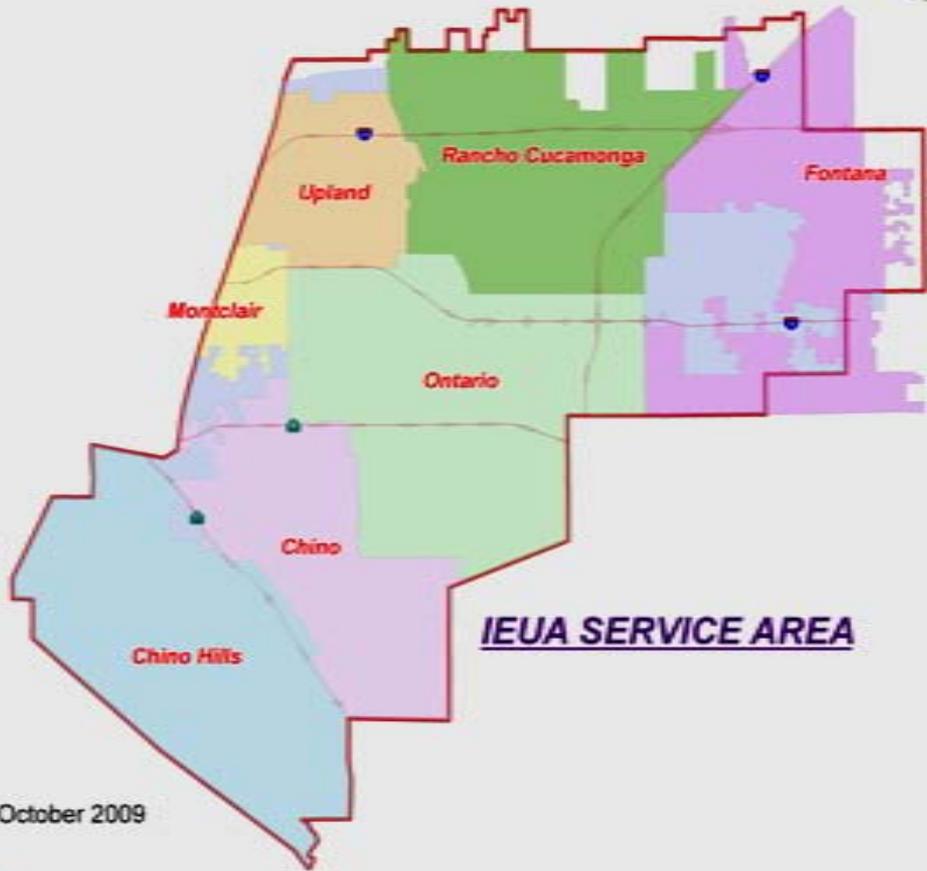
# PROJECT OVERVIEW

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- **Redevelopment-Revitalization Project**
  - Began in 2006
- **Partnership Program**
  - City of Ontario Housing and Redevelopment
  - Inland Empire Utilities Agency (IEUA)
  - Bureau of Reclamation (USBR)
  - Metropolitan Water District of Southern California (MWD)
  - DUDEK & Associates
- **Budget**
  - USBR-\$20,000
  - MWD-\$25,500
  - Ontario/IEUA-\$6,000
  - All Agencies-In-Kind Services



# Project Location Ontario CARES



**IEUA SERVICE AREA**

October 2009



# RECLAMATION

*Managing Water in the West*

## Ontario Cares



U.S. Department of the Interior  
Bureau of Reclamation

# Southern California Area Office

## •Major Components of the Water Conservation Field Service Program

–Assist in developing effective water management & conservation plans

–Encourage & promote implementation of water efficiency measures

–Demonstrate conservation technologies

–Promote & support water education and training



# RECLAMATION

# DUDEK

## Preliminary Landscape Assessment for California Friendly® Design

### Proposed Prototype Landscapes

Corner lot turf minimization solution 700 sq ft of main lawn and parkway, 1560 sq ft of shrubs

#### Soil Prep and Grading

Kill weeds	\$0.08 sq ft
Rototill	\$0.40 sq ft
Soil Amendments	\$0.10 sq ft

Plant removal	\$50.00 per hour
Tree removal	\$200.00
Lot clean up	\$50.00 per hour

#### Automatic Irrigation

Multistream rotator sprinklers	\$500.00 per valve typically two valves per 1000 sq ft of lawn
Drip or Bubblers	\$250.00 per valve
Irrigation controller AquaConserve	\$500.00 6 station
Controller cost	\$180.00

#### Sod Installation

Zoyziagrass (De Anza)	\$1.00 sq ft
Sod Cost	\$0.68 sq ft

#### Plant Installation

Shrubs	1 gal	\$7.00	
	5 gal	\$20.00	total of 107 shrubs and 200 groundcover
	15 gal	\$60.00	

#### Trees per city specifications

	15 gal	\$120.00
	24" box	\$225.00

Walk on bark mulch	\$0.27 per sq ft	1560 sq ft of mulched area
Weed cloth	\$0.20 per sq ft	

#### Maintenance cost

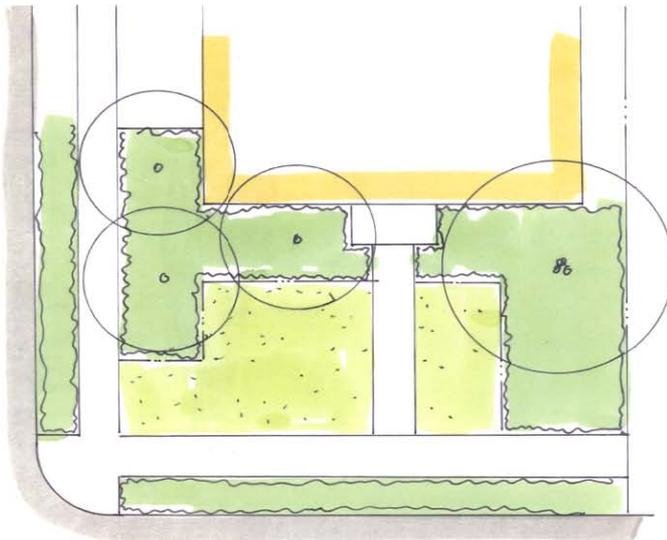
Bimonthly MB&G	\$30.00 per month
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#### AB325 Water Budget

CFL Water Budget	7,680 cu ft per yr	80% of ETo
	6,912 cu ft per yr	72% of ETo

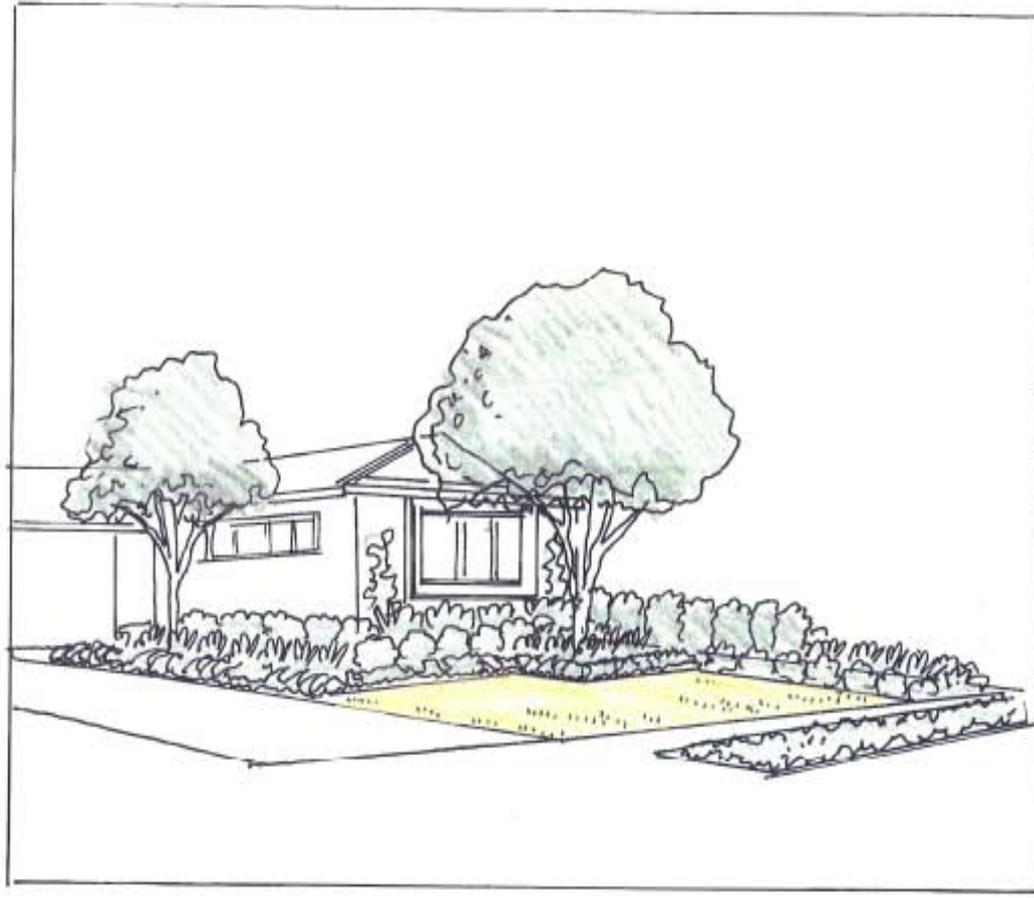
#### Estimated Water Use

	6,202 cu ft per yr	this is based upon following an ET derived irrigation schedule
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MINIMIZE TURF AREA - 10' DRIVEWAY, PARKWAY  
GROUND COVER, SHRUBS + MULCH W/  
LARGER SHADE TREE.

# Typical California Friendly® Landscape

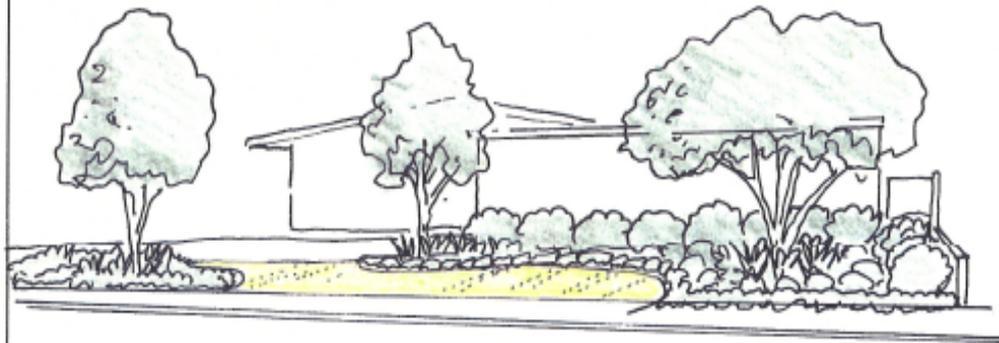


SOUTH EXPOSURE

Example: Reduce turf, expand shrub & mulch,  
add trees to shade house (deciduous)  
reduce maintenance & green waste.  
Aesthetics improve with time & maturity.

WEST EXPOSURE

# Typical California Friendly® Landscape



**Analysis:** Current solutions utilize large cool season turf lawns, which cleans up the yards, but creates long term issues with water usage, green waste, lack of passive solar controls, & aesthetics.

**Recommendation:** As shown above in the two examples, reduce lawn area by 50%, utilize a warm season grass to reduce water usage & green waste, especially in winter, incorporate various Calif. Friendly shrub plantings selected for size, eventual size & shape, color, and add trees to passive control solar. Aesthetics are clean.

**Our home is...**



# California Friendly



**FOR INFO CALL:  
909-395-2006**

**[bewaterwise.com](http://bewaterwise.com)**

**RECLAMATION**  
*Managing Water in the West*



*Inland Empire Utilities Agency*  
**A MUNICIPAL WATER DISTRICT**

# Ontario CARES

## Exterior Beautification Program

- CARES (Code enforcement, Arterial street improvement, RE-leaf program, and Sidewalk program- safe route to school)
- Established in 1998 by the City Council to beautify Ontario's neighborhoods
- Provides grants to income-qualifying residents for painting and landscaping for 200-250 homes per year
- Since inception, over 2700 homes have been completed



# Ontario CARES

## “California Friendly” - Opportunities

- Educate residents (and staff) in order to build an understanding of “California Friendly” landscapes
- Provide a water-saving and cost-saving approach to residential landscape design
- Complete sample residential landscapes to use as marketing tools for the entire community
- Receive reimbursement for additional cost of “California Friendly” landscape



# Ontario CARES

## “California Friendly” - Results

- 24 properties complete or in progress
- Professional landscape plans for each property with :
  - Year-round irrigation instructions
  - Plant species and care information
  - Estimated water and cost savings for each property
- Introduction of water-saving technology and California Friendly landscaping throughout the City of Ontario
- Staff and contractors better-trained and educated in water-saving landscape design and maintenance



# Ontario CARES

## “California Friendly” - Future

- Introduce California Friendly elements into **every** CARES landscape
- Serve as a resource for other communities implementing similar water-saving programs
- Continue to educate the public regarding water-saving landscape design, installation and proper maintenance
- Foster a California Friendly culture



# California Friendly Property 1368 E. Sycamore - BEFORE



# California Friendly Property 1368 E. Sycamore



# California Friendly Property 1870 E. Olive - BEFORE



# California Friendly Property 1870 E. Olive - AFTER



# California Friendly Property 1870 E. Olive-AFTER



# California Friendly Property 1428 E. Orange - BEFORE



# California Friendly Property 1428 E. Orange - AFTER



# California Friendly Property 1130 E. Raymond - BEFORE



# California Friendly Property 1130 E. Raymond - AFTER



# California Friendly Property 1846 E. Olive - BEFORE



# California Friendly Property 1846 E. Olive - AFTER

