



# Session 1

## Nothing Grows Without Water



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*"A Tradition in San Bernardino County since 1984"*

*#SBCityCounty*

# TURF REMOVAL PROGRAM

## PHASE I



## PUBLIC WORKS

# OVERVIEW

- Metropolitan Water District (MWD) committed to a \$2/sq. ft. rebate for removal of water intensive turf
- Inland Empire Utility Agency (IEUA) has also committed to an additional \$1/sq. ft. rebate
- Turf will be replaced with water-wise landscape, reducing:
  - Water Usage
  - Landscape Maintenance Costs

# OVERVIEW

- Public Works Staff identified 10 non-essential turf areas for this rebate:

Meadows Park

Woodview Road

Hollow Run Park

Chino Hills Parkway @ Frost Avenue

Crossroads Park

Eucalyptus Avenue Turf Area

Veterans Park

Skyview Park

Glen Ridge Drive

Rolling Ridge Drive

- A total of 322,085 sq. ft. of turf was replaced with water-wise landscaping

# MEADOWS PARK

- Removed 22,195 square feet of turf from parkway
- Replaced existing overhead spray head irrigation system with a drip system
- Installed water-wise plants, and mulch



# MEADOWS PARK

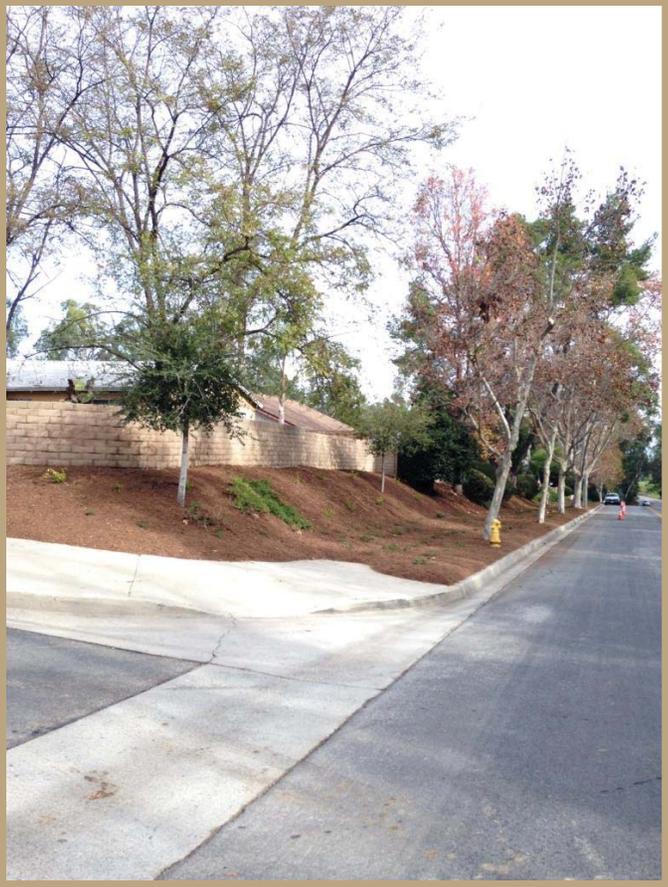


# WOODVIEW ROAD

- Removed 11,676 square feet of turf on north side of Woodview Rd. and east of Peyton Dr.
- Replaced existing overhead spray head irrigation system with a drip system
- Installed pockets of water-wise plants such as Muhlenbergias, Seslerias, and Stipas, along with trees and mulch



# WOODVIEW ROAD



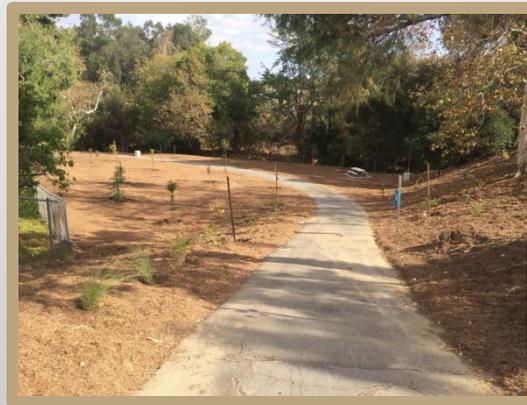
# HOLLOW RUN NATURE PARK



- Removed 20,592 square feet of turf from park
- Replaced existing overhead rotor irrigation system with a drip system
- Installed approximately 25 trees and mulch

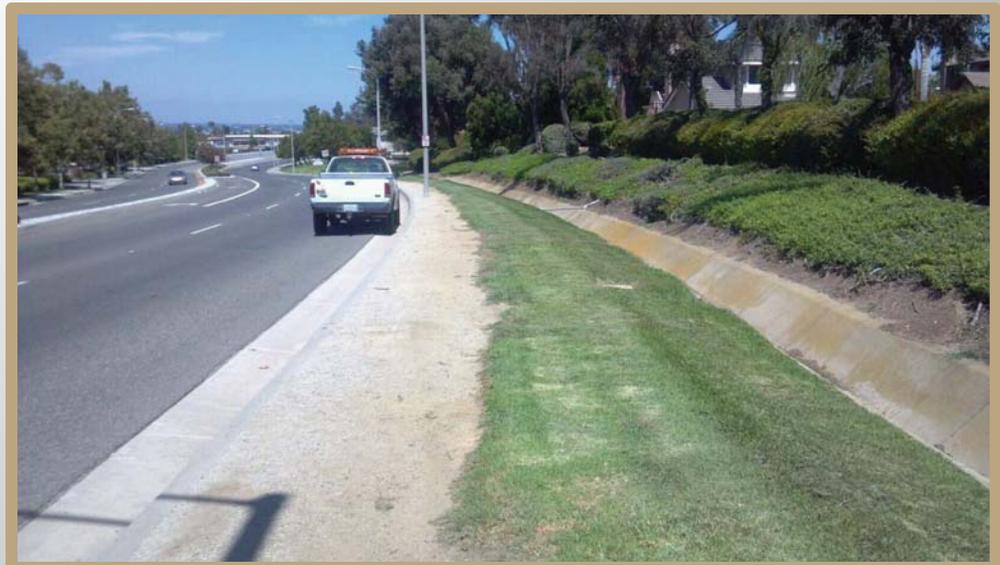


# HOLLOW RUN NATURE PARK



# CHINO HILLS PARKWAY @ FROST AVENUE

- Removed 2,839 square feet of turf on south side of Chino Hills Pkwy. between Carbon Canyon Rd. and Frost Ave.
- Replaced existing overhead spray head irrigation with a drip system
- Installed water-wise plants, such as Verbena or Ceanothus, and mulch
- Installed large section of decomposed granite which requires no irrigation



# CHINO HILLS PARKWAY @ FROST AVENUE



# CROSSROADS PARK

- Removed 20,156 square feet of turf on each side of driveway leading into park
- Replaced existing overhead spray head and rotor irrigation system with a drip system
- Installed water-wise plants such as Muhlenbergias, Seslerias, and Stipas
- Planted approximately 12 trees and placed mulch



# CROSSROADS PARK



# EUCALYPTUS AVENUE TURF AREA

- Removed 57,367 square feet of turf area located on west side of Eucalyptus Ave. and north of Rancho Hills Dr.
- Replaced existing overhead spray head and rotor irrigation system with a drip system
- Installed water-wise plants, trees, and mulch



# EUCALYPTUS AVENUE TURF AREA

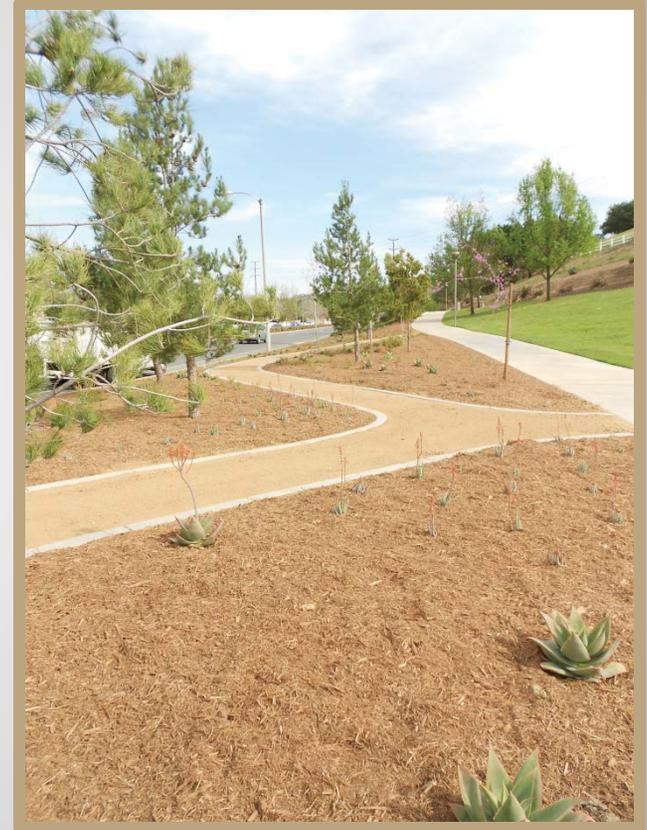


# VETERANS PARK

- Water Conservation Demonstration Garden
- Removed 54,457 square feet of turf along south side of Chino Hills Pkwy, at top of slope, and portion near restrooms
- Replaced overhead spray head and rotor irrigation system with a drip system
- Installed water-wise plants and grasses, trees, mulch, and decomposed granite



# VETERANS PARK



# SKYVIEW PARK

- Removed 48,285 square feet of turf area from west side of park between Skyview Ridge and Olympic View Dr.
- Replaced existing overhead rotor irrigation system with a drip system
- Installed water-wise plants such as Muhlenbergias, Seslerias, Stipas, along with mulch



# SKYVIEW PARK



# GLEN RIDGE DRIVE

- Removed 40,157 square feet of turf from medians along Glen Ridge Dr. between Pipeline Ave. and Peyton Dr.
- Replaced existing overhead spray head irrigation system with a drip system
- Installed decorative rocks, water-wise plants and mulch

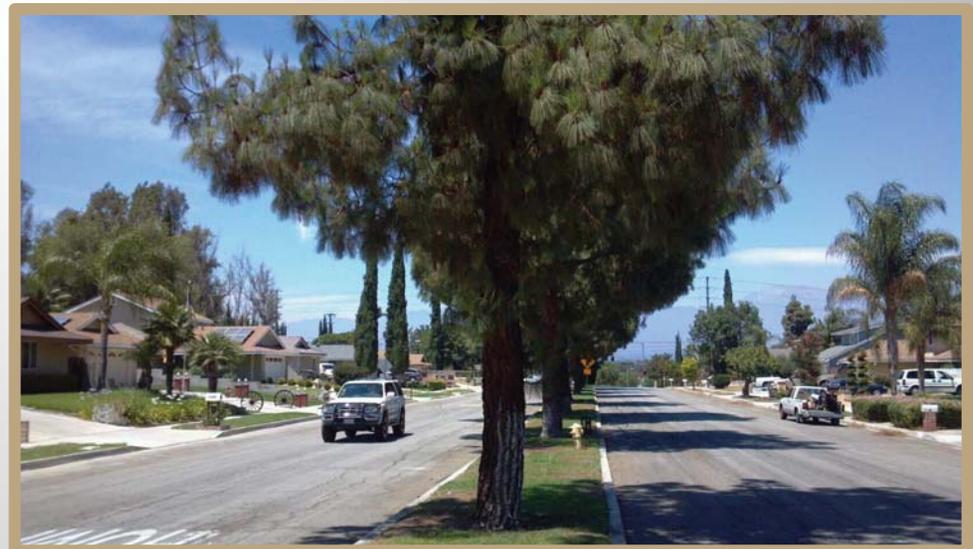


# GLEN RIDGE DRIVE

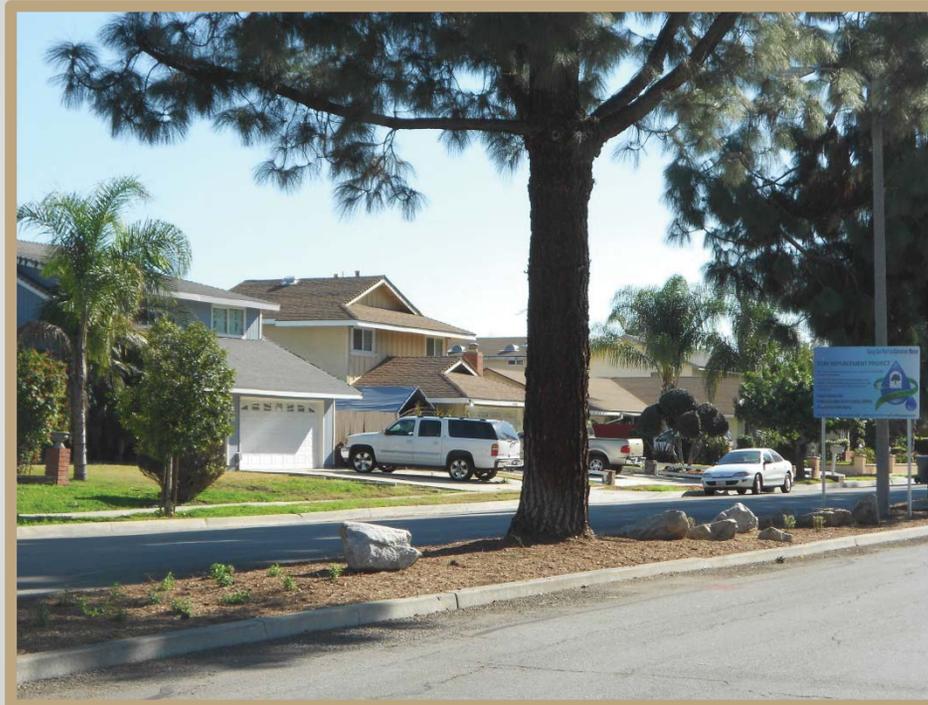


# ROLLING RIDGE DRIVE

- Removed 44,361 square feet of turf from medians along Rolling Ridge Dr. between Chino Hills Pkwy. and Bayberry Dr.
- Replaced existing overhead spray head irrigation system with a drip system
- Installed decorative rocks, water-wise plants and mulch



# ROLLING RIDGE DRIVE



# ANNUAL WATER SAVINGS

LOCATION	ESTIMATED TURF REMOVAL SQ. FT.	ESTIMATED ANNUAL WATER USAGE (GALLONS)	POTENTIAL ANNUAL WATER SAVINGS IN GALLONS (75% OF ANNUAL USAGE)	POTENTIAL WATER SAVINGS IN DOLLARS
MEADOWS PARK	22,195	746,196	559,647	\$1,301.85
WOODVIEW RD.	11,676	392,547	294,410	\$684.86
HOLLOW RUN NATURE PARK	20,592	674,995	506,246	\$1,678.46
CHINO HILLS PKWY. @ FROST AVE.	2,839	95,447	71,585	\$237.34
CROSSROADS PARK	20,156	677,645	508,234	\$1685.05
EUCALYPTUS AVENUE TURF AREA	57,367	1,928,679	1,446,509	\$4,795.91
VETERANS PARK	54,457	1,830,844	1,373,133	\$4,552.63
SKYVIEW PARK	48,285	1,623,342	1,217,506	\$4,036.65
GLEN RIDGE DR.	40,157	1,453,813	1,090,360	\$3,615.10
ROLLING RIDGE DR.	44,361	2,459,424	1,844,568	\$6,115.68
TOTAL	322,085	11,882,931	8,912,199	\$28,703.54

\*In addition, it is estimated that up to 30% in maintenance-cost reductions will be realized

# SUMMARY

- The City of Chino Hills City Council is committed to effective water savings programs
- The City will receive \$966,000 in rebate funding via this Turf Removal Program
- Positive feedback from stakeholders
- Staff is currently submitting for an additional 10 projects



“Many Parts Make Up A Whole”



*“A Tradition in San Bernardino County since 1984”*

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