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Conservation Through Turf Conversion

WATERSMART INNOVATIONS CONFERENCE

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Drought Response Plan

Created to comply with SNWA Drought Plan and Model Ordinance

 Water Conservation Goal = 5% reduction in annual usage for calendar year 2003 (Drought Plan Initiative Began)

Bench Mark every year from 2002 to compare water usage reduction.

Drought Response Plan Components

Maxicom

- Flexible Watering Schedule
- Irrigation System
 Maintenance
- Turf Reduction
 Program

- New Landscape
 Development
 Requirements
- Water Usage Reporting and Analysis
- Employee Training
- Public Education

Turf Reduction

Non-Recreational Turf

 Turf in that is primarily for aesthetic purposes such parking lot islands, street medians and parkways, and other small areas that can not be used recreationally will be identified and scheduled for removal.

 Sports fields, large open play areas, or areas that can be used by the public for picnics or family gatherings are exempt.

Turf Reduction Program

- Removal of non-recreational turf areas in order to reduce water consumption
- Methods for Completion:
 - Community resources
 - Contractors
 - In-house staff
 - Grant and other funding sources
- Zero impact to Parks Operating Budget

Turf Reduction Process

- Identification
- Planning & Design
- Approval & SNWA Application
- Turf Removal
- Curbing
- Irrigation retrofits
- Planting
- Rock Mulch
- Documentation

Conversion Figures & Savings

CALENDAR YEAR	Amount (SF)	Amount (Acres)	Annual Water Savings (Gal)	Annual Water Savings (AF)
2003	113,951	2.62	6,267,305	19.23
 2004	513,577	11.79	28,246,735	86.69
2005	275,887	6.33	15,173,785	46.57
2006	85,531	1.96	4,704,205	14.44
2007	160,042	3.67	8,802,310	27.01
2008*	24,415	.56	1,173,403	4.12
Totals	1,173,403	26.94	64,537,165	198.06

* Through August 2008

1,173,403 Square Feet of Turf



Equivalent to Amount of Turf found in 21 Football Fields!

63,537,165 Gallons Per Year



Equivalent to the Amount of Water it would take to fill 97 Olympic Sized Swimming Pools!

Conversion Projects

Before



















Summary

Drought Response Plan

Turf Conversion

Total Savings & Sustainability

Questions & Contact Information

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