

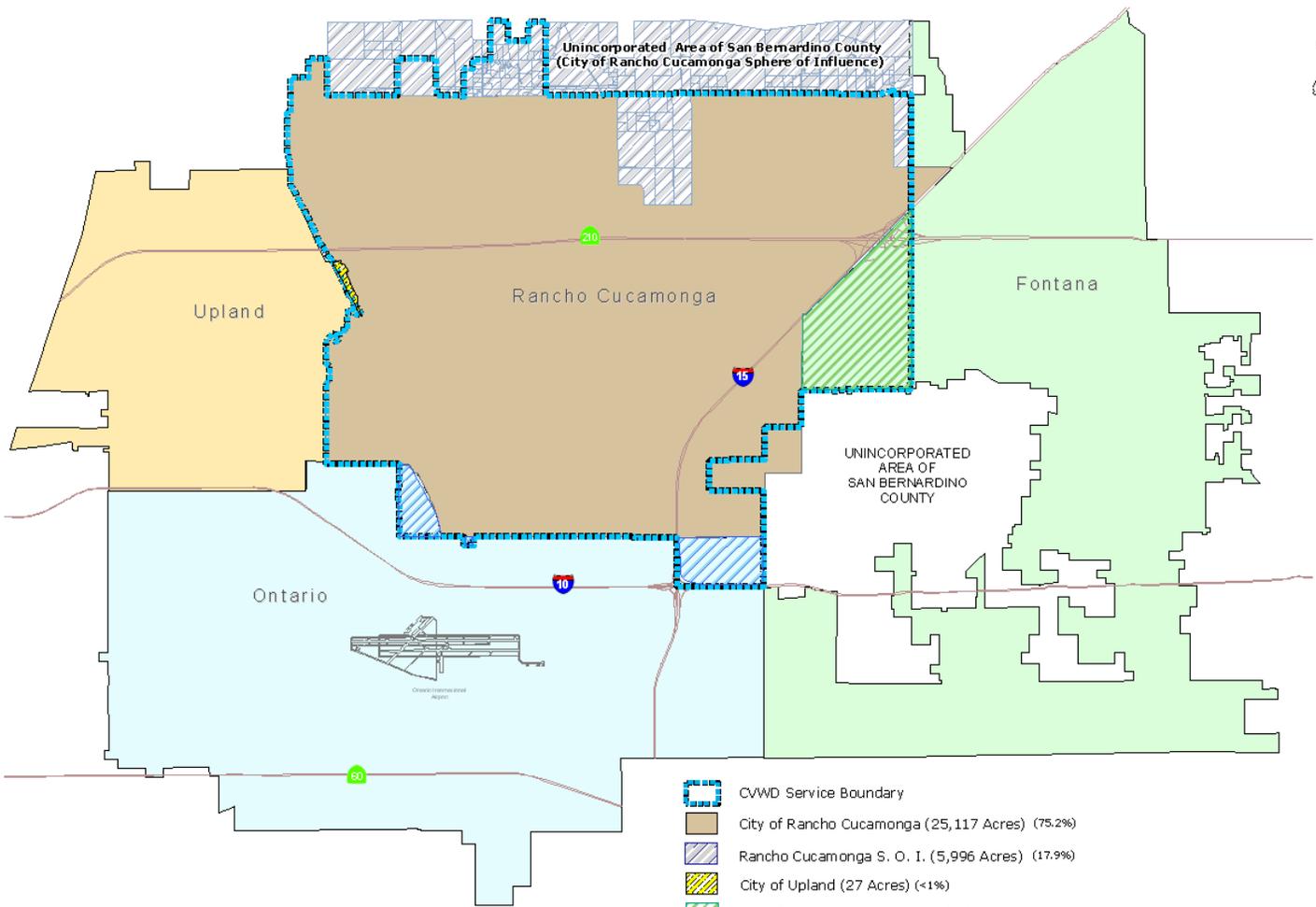
# **2009 Urban Drought Workshop**

**March 23, 2009**



- ▶ CVWD's service area includes the **City of Rancho Cucamonga**, portions of the cities of **Upland, Ontario** and **Fontana**, and some unincorporated areas of **San Bernardino County**.
- ▶ CVWD serves a population of over **186,000 customers** within a **52 square mile area** which includes approximately **48,600 water connections** and **35,000 sewer connections** with an average daily demand of over **50 million gallons per day**

# Our Service Area



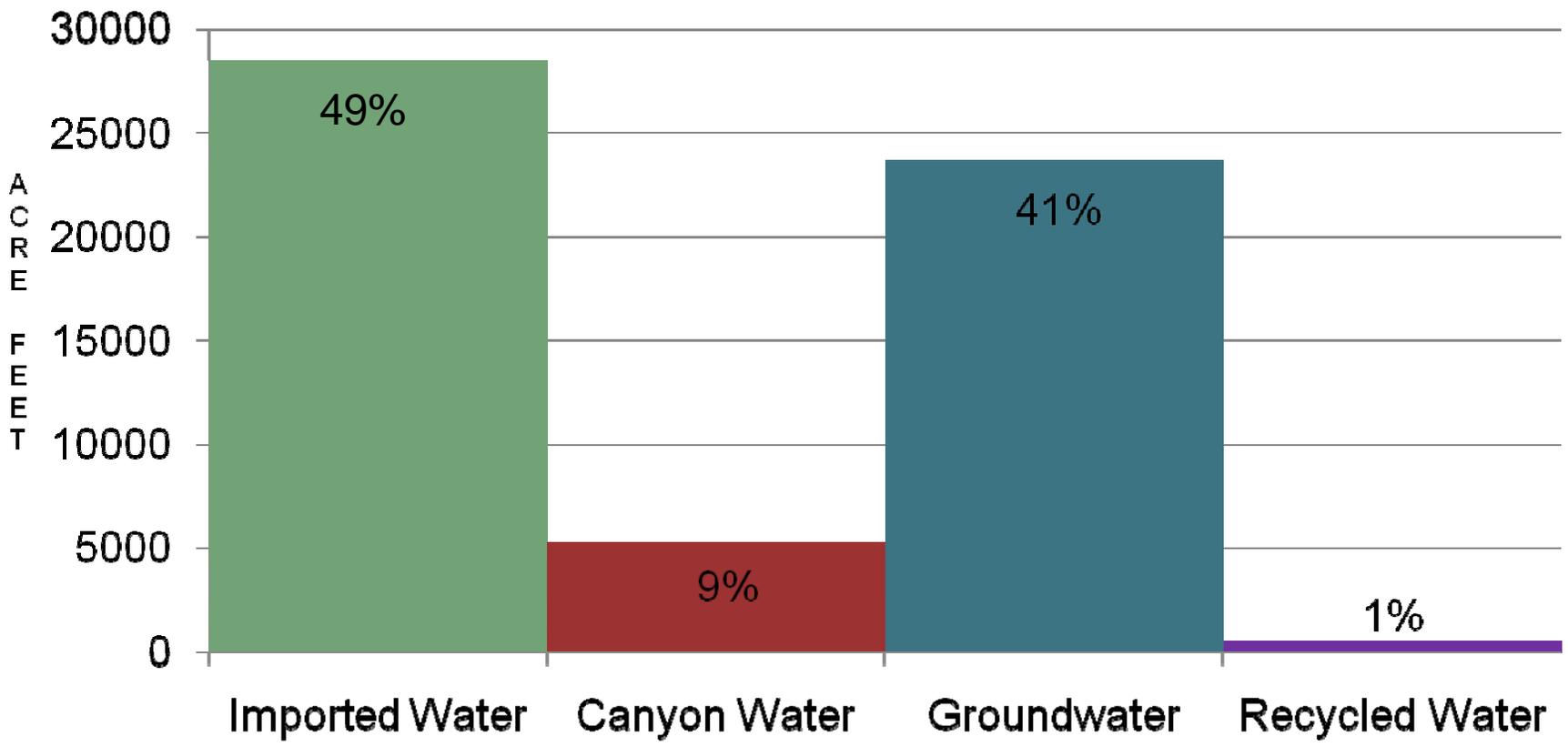
- CVWD Service Boundary
- City of Rancho Cucamonga (25,117 Acres) (75.2%)
- Rancho Cucamonga S. O. I. (5,996 Acres) (17.9%)
- City of Upland (27 Acres) (<1%)
- City of Fontana (1,630 Acres) (5%)
- City of Ontario (632 Acres) (1.9%)

Total Service Area = 33,402 Acres  
or 52 square miles ±

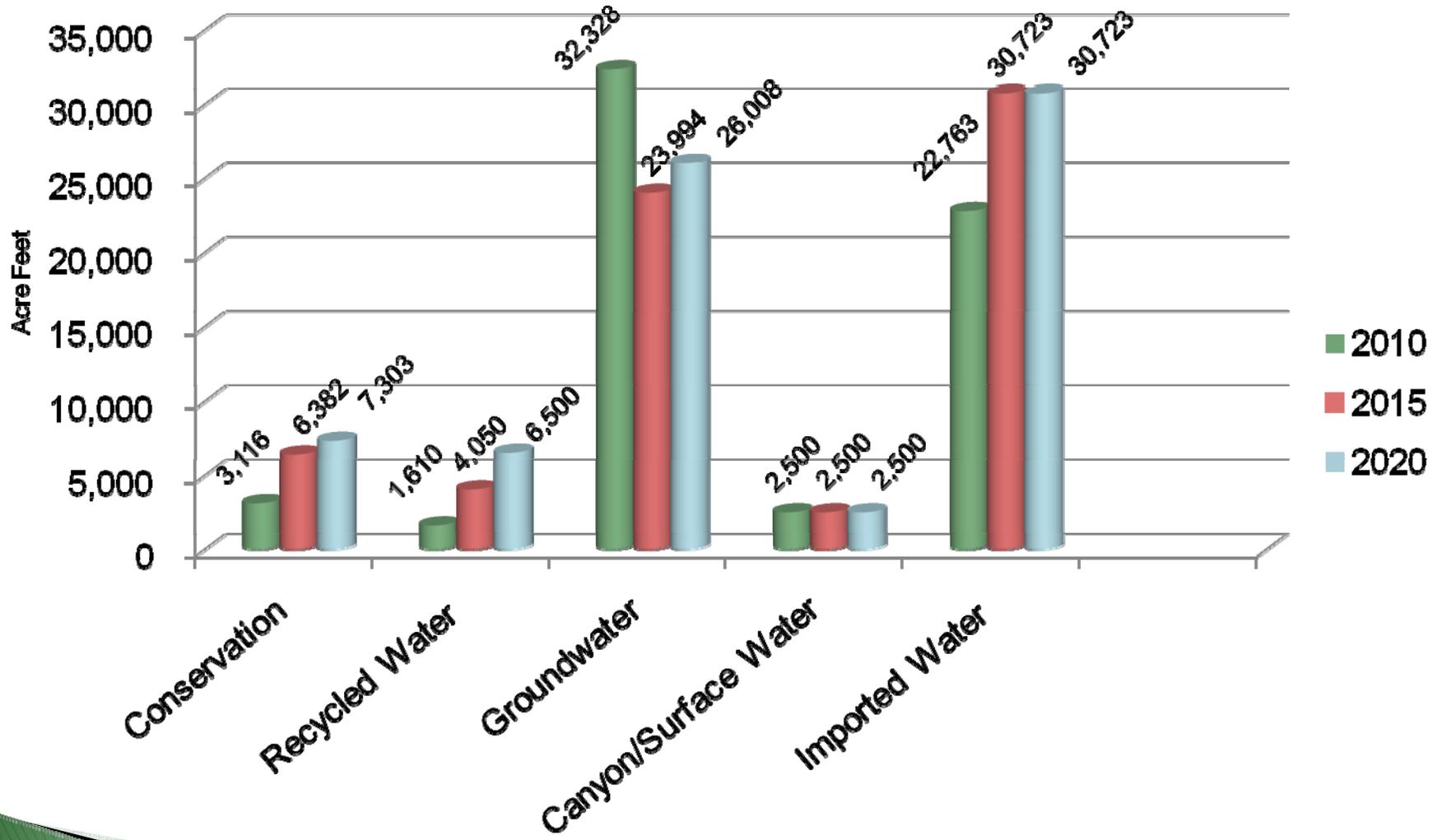


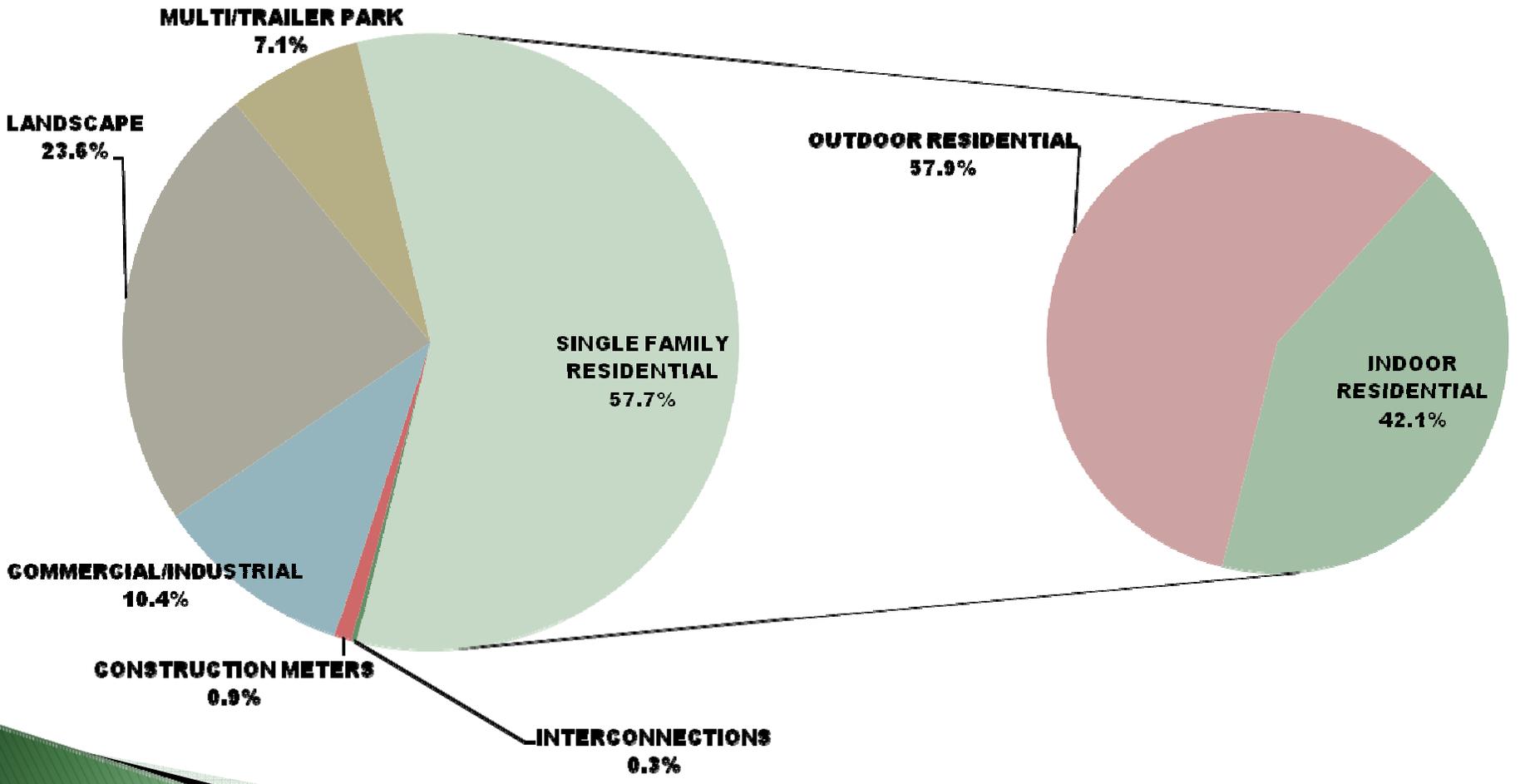


## 2008 Water Supply



# Future Water Supply





Total Outdoor Use (Residential & Commercial): 57%



▶ **July 2007 - April 2008 - *Community Focus Group Meetings***

- Bay Delta Crisis
- Conservation
- Water Quality

▶ **January 2008 - *Board Workshop***

- Long Term Plan and Clear Policy Direction
- Creation of a Response Plan
- Update and Develop Water Efficiency & Water Shortage Contingency Ordinances

▶ **April 2008 - *Adopted Tiered Rate Structure***

- Less than 10 written objections

▶ **October 2008 - *Board Workshop***

- Review Draft Water Efficiency & Water Shortage Contingency Ordinances

▶ **March - April 2009**

- Adoption of Water Use Efficiency & Water Shortage Contingency Ordinances



Residential Class	Effective 5/1/08	Effective 5/1/09	Effective 5/1/10	Effective 5/1/11
Tier 1 (0-10 hcf)	\$1.33	\$1.35	\$1.37	\$1.40
Tier 2 (11-40 hcf)	\$1.40	\$1.47	\$1.54	\$1.60
Tier 3 (41-100 hcf)	\$1.45	\$1.57	\$1.69	\$1.80
Tier 4 (>100 hcf)	\$1.50	\$1.67	\$1.84	\$2.00

Non-Residential Class	Effective 5/1/08	Effective 5/1/09	Effective 5/1/10	Effective 5/1/11
Rate per hcf *	\$1.41	\$1.49	\$1.58	\$1.67

\* Average of residential tiered rate



- ▶ **Estimating the true impact of tiered rates on conservation has been challenging:**
  - **Tiered rates were implemented less than a year ago and data is insufficient**
  - **Economy may be contributing to the rate of observed conservation**
    - Many customers are making changes to reduce household costs
    - No water being used in vacant (foreclosed) homes
  - **Many customers have converted landscaping to low water use and adopted other BMP's due to lifestyle changes**



## Water Use Efficiency Ordinance (No. 47)

- To replace outdated ordinance
- To set minimum standards (BMP's) for water use efficiency
- To encourage and realize water conservation
- Ordinance is not intended to have a disproportionate impact on customers who have implemented conservation methods

## Water Supply Shortage Contingency Plan Ordinance (No. 48)

- Establish a plan to minimize the effect of up to 50% reductions in water supply
- Adopt provisions to reduce water consumption
- Ensure water availability to customers without jeopardizing public health and safety



## ▶ **Enactment**

- Water Use Efficiency Ordinance is always in effect - *It's a New Way of Life*
- When projected demands exceed supplies by more than the conservation measures targeted in the Water Use Efficiency Ordinance
- Public hearing will be conducted for the purpose of determining that a shortage exists
- Board of directors shall adopt, by resolution, a declaration of water supply shortage
- Board may change or rescind the declaration as water supply conditions change over time

## ▶ **Goal**

- Accomplish the necessary level of water conservation
- Be fair to all customers - give consideration for previously achieved conservation
- Be easy for customers to understand
- Be easy for staff to administer

## ▶ **Failure to Comply**

- Four Stages of Violations
  - Violation stages range from written notice to fines
- Appeal Process
  - Written Request
  - Board Review



## ORDINANCE 47 WATER USE EFFICIENCY

- Voluntary 5% conservation from 2007-08 base year

## STAGE ONE – ALERT

- Total expected 10% conservation from 2007-08 base year

## STAGE TWO – EMERGENCY

- No outdoor watering for 2-days out of the week; District to determine watering schedule
- Total Fifteen percent (15%) expected reduction in District consumption
- Customer has 72 hours to comply with violation note terms

## STAGE THREE – CRITICAL EMERGENCY

- No outdoor watering for 3-days out of the week; District to determine watering schedule
- Total Twenty-five percent (25%) expected reduction in residential consumption.
- Customer has 48 hours to comply with violation note terms

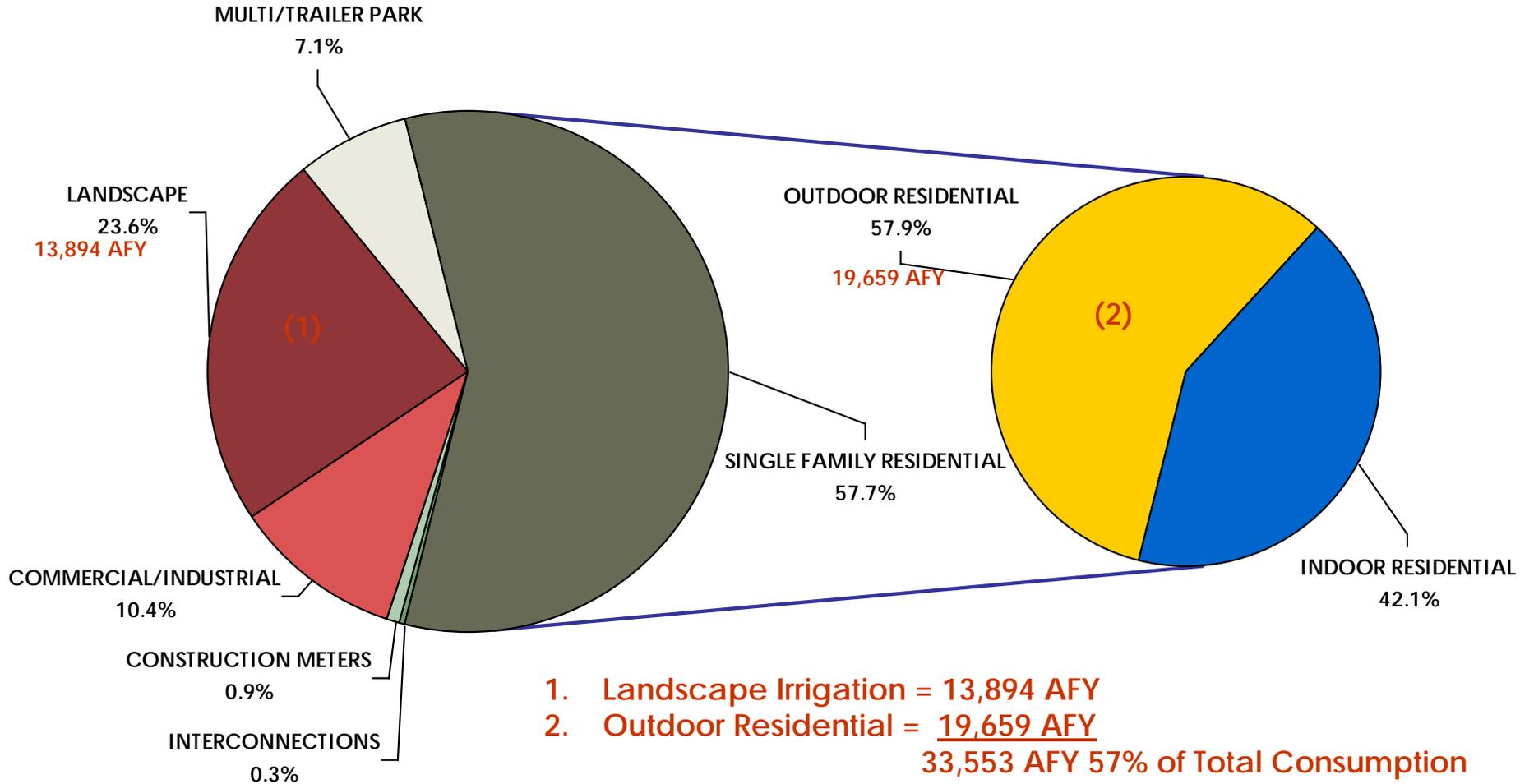
## STAGE FOUR – SEVERE EMERGENCY

- No outdoor watering for 6-days out of the week; District to determine watering schedule
- Total Fifty percent (50%) expected reduction in residential consumption
- Customer has 24 hours to comply with violation note terms

# Water Shortage Contingency Plan



## TARGET = LANDSCAPE IRRIGATION

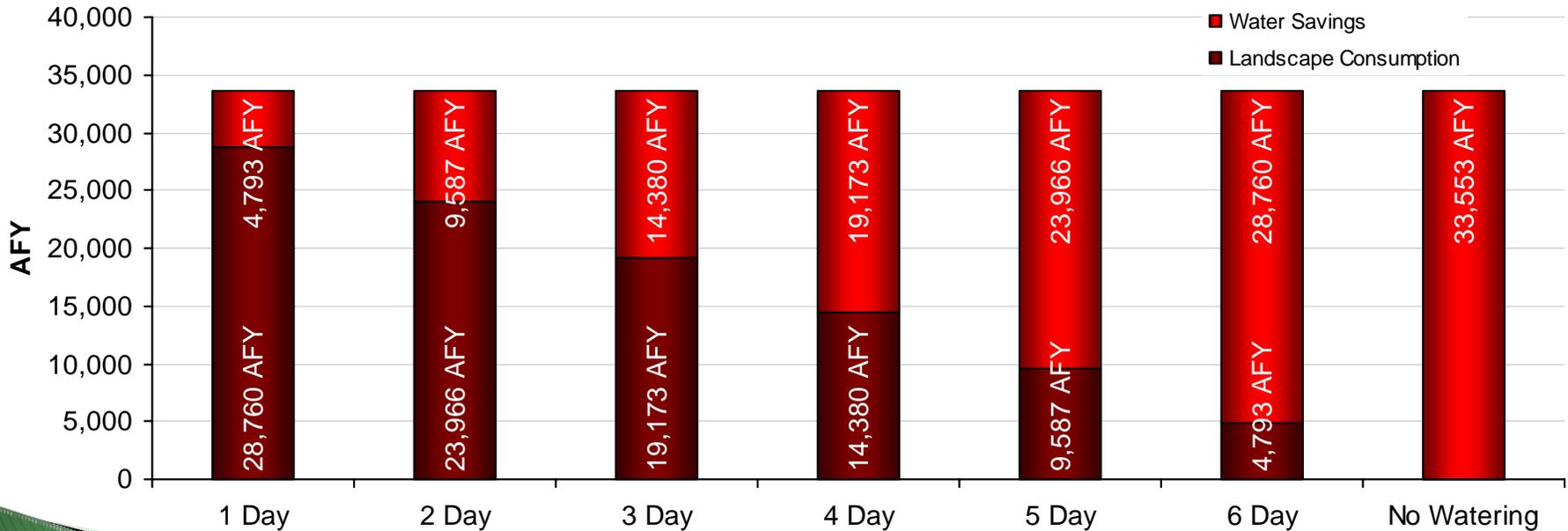


# 2009 Projected Landscape Savings



## Prohibit Landscape Watering

2009 District Projections	1 Day	2 Day	3 Day	4 Day	5 Day	6 Day	No Watering
Water Savings	4,793	9,587	14,380	19,173	23,966	28,760	<b>33,553</b>
Revised Landscape Consumption	28,760	23,966	19,173	14,380	9,587	4,793	0
Revised Total District Consumption	53,992	49,199	44,406	39,613	34,819	30,026	25,233
Percent Water Savings	8%	16%	25%	32%	41%	50%	57%





## ***Fiscal Impact of Conservation & Increasing Water Costs:***

- ▶ **Conservation leads to reductions in revenues**
- ▶ **Impacts Related to Economic Conditions**
- ▶ **Increased Imported Water Cost from MWD**

	Effective 1/1/07	Effective 1/1/08	Effective 1/1/09
Rate per AF (Tier 1)	\$331	\$351	\$412
% Yearly Increase	0%	6%	17%

- ▶ **Local Political Decisions**
- ▶ **May affect Land Use Decisions**
- ▶ **Increased Retail Rates**



- ▶ **Financial Accountability**
- ▶ **Historically good rapport with customers – They have high expectations and we like it that way**
- ▶ **Progressive Thinking**
- ▶ **Customers are well educated, informed, and engaged**
- ▶ **Communication, Communication, Communication**