



Walnut Valley Water District



Mission Statement

The Mission of Walnut Valley Water District is to provide a reliable, high quality water supply in a fiscally efficient and environmentally responsible manner while remaining committed to providing superior service to our customers.



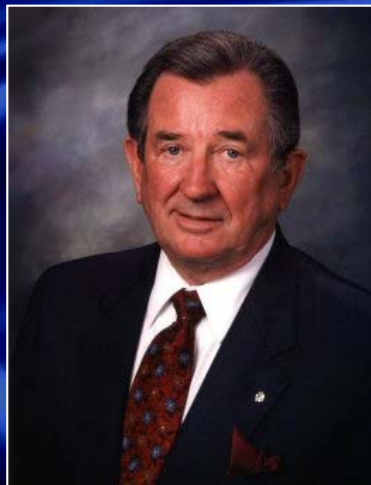
History

- 💧 Walnut Valley Water District was formed under State law in 1952
- 💧 Purpose was to provide a supply of water for the people in this area.
- 💧 The District provided potable water to 21 service connections with an approximate population of less than 800 in 1955.

Walnut Valley Water District Board of Directors



***Allen
Wu
Division I***



***Ed
Hilden
Division II***



***Barbara
Carrera
Division III***



***Theodore
Ebenkamp
Division IV***



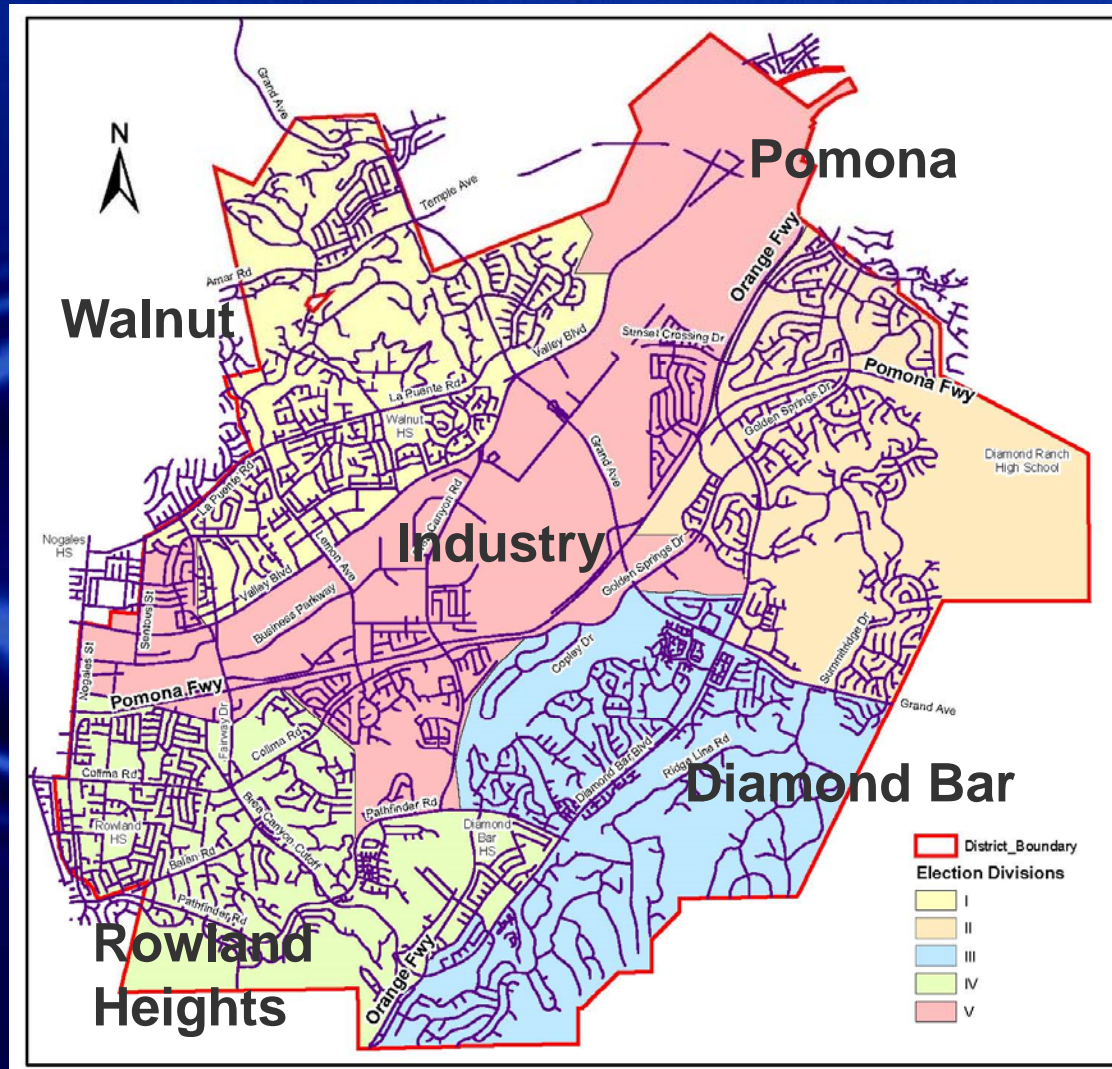
***Scarlett
Kwong
Division V***



Board of Directors

- 💧 Five election divisions
- 💧 Elected by voters (odd years)
- 💧 Serve overlapping 4-year terms
- 💧 Set District Policy
- 💧 Establish long-range goals and direction for the District

Election Division Map





District Statistics

Population Served	113,236
Area Served (acres)	17,900
Annual Water Deliveries (gallons)	7.5 billion
Average Daily Water Use (gallons)	20.6 million
Average Daily Water Use Per Person	207 gallons



Where Does Our Water Come From?

Where Southern California Gets its Water



California
Aqueduct

Local Supplies
LA Aqueduct

Colorado River
Aqueduct

Local Supplies
Groundwater & Recycling

Conservation



California's Water Management Challenge

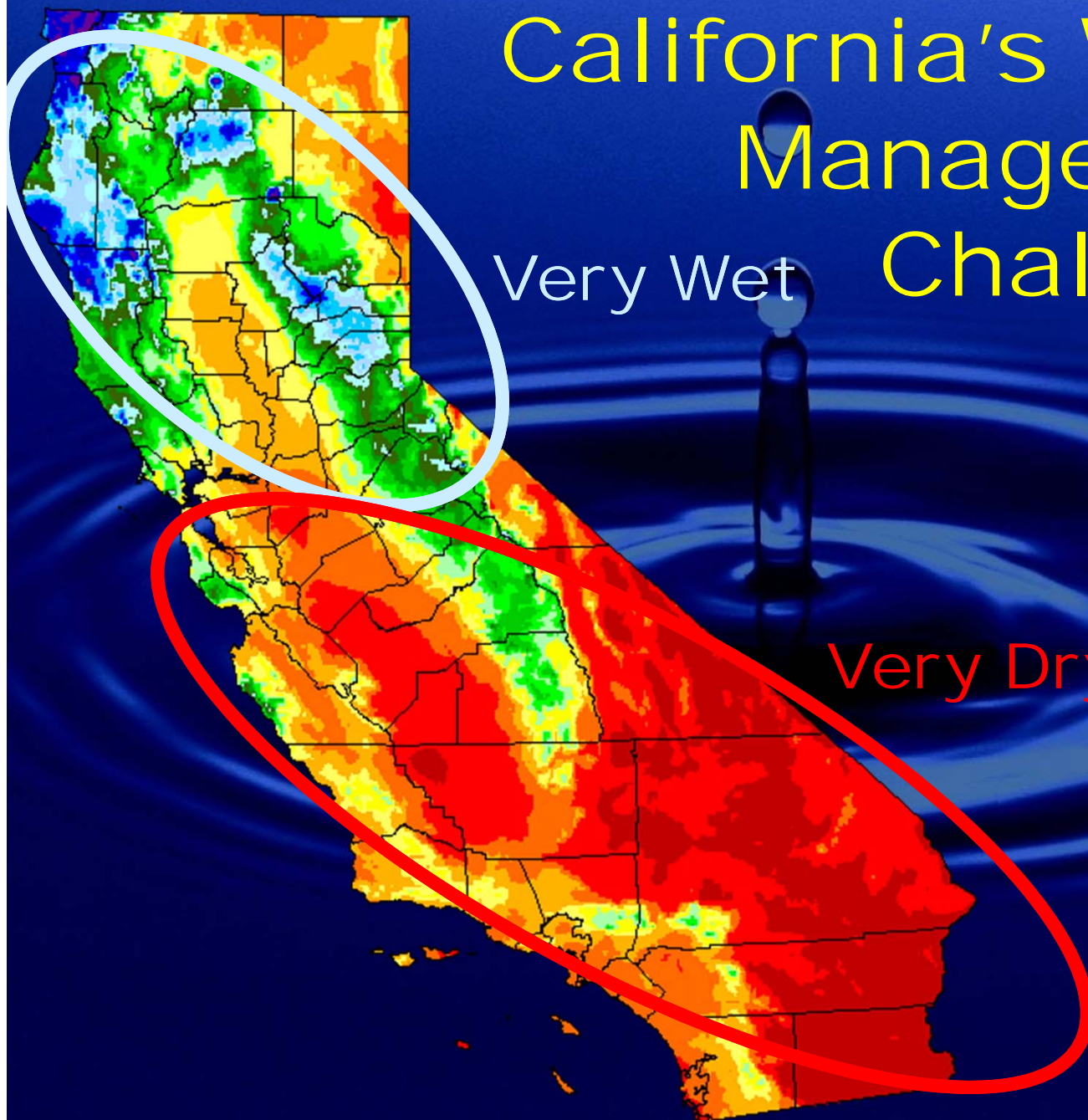
Very Wet

Very Dry

Rainfall Distribution



- ◀ Over 100 in
- ◀ 70-75 in
- ◀ 55-60 in
- ◀ 40-45 in
- ◀ 30-35 in
- ◀ 20-25 in
- ◀ 10-15 in
- ◀ 0-5 in



Colorado River Basin



Metropolitan Water District of Southern California



- 6 counties; 5,200 square miles
- 18 million people
- Regional economy: \$822 billion
- Projected growth:
~220,000 people/year
- MWD provides
nearly 60 % of
southern
California's supply

MWD Service Area





*We are 100%
dependent on
imported water for
potable needs*



California Water Today

Reduced Deliveries

Drought Conditions

Low precipitation

Regulatory Restrictions





Potable Water System

Reservoirs	29
Million Gallons of Water Storage	89
Pump Stations	16
Pressure Regulating Stations	37
Miles of Water Mains	376

Water Reservoir



POTABLE WATER SYSTEM OVERVIEW

RECYCLED WATER SYSTEM OVERVIEW

SOURCE WATER SYSTEM OVERVIEW

TRENDS

ALARM SUMMARY

REPORTS

EVENTS

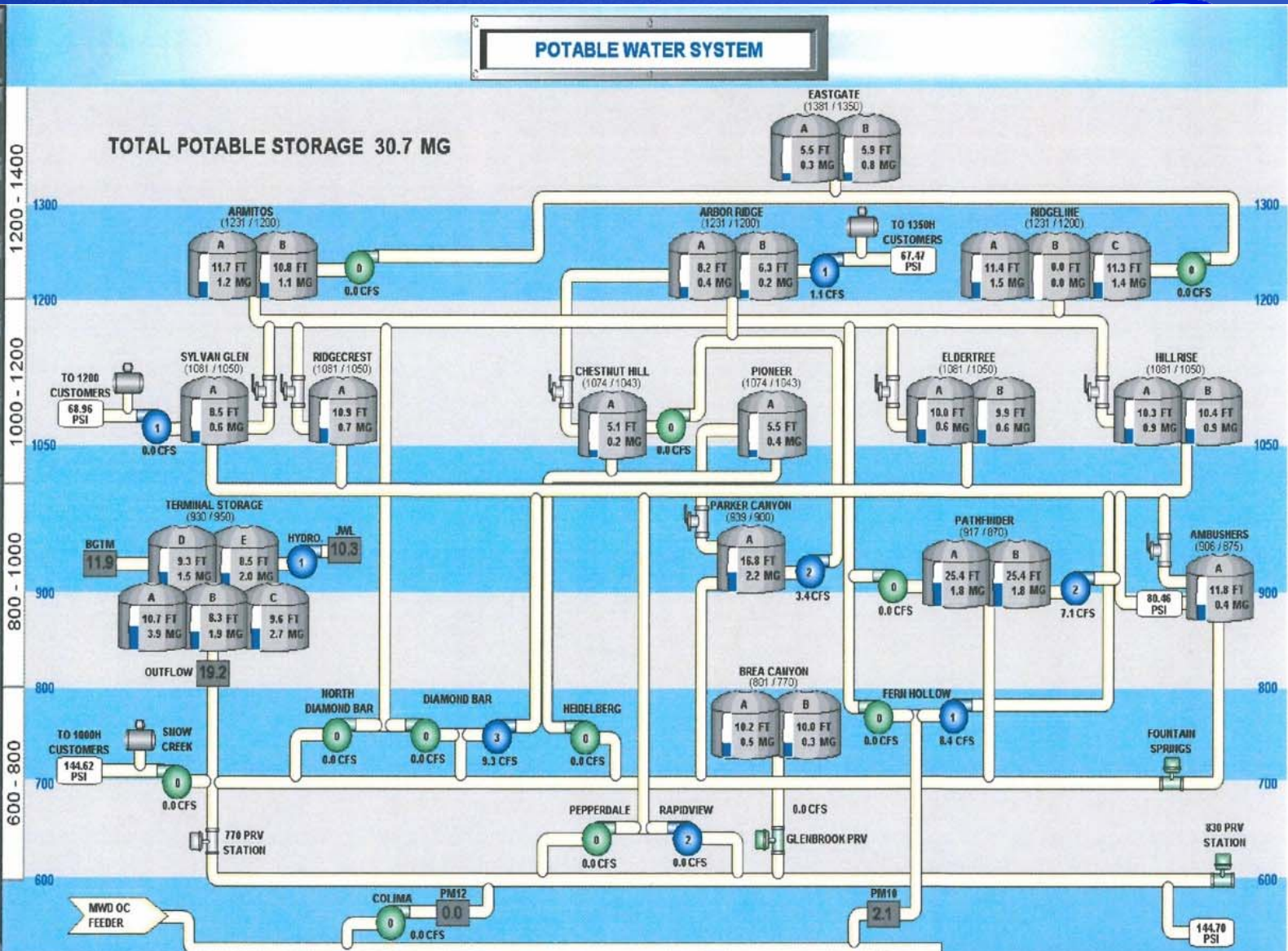
SETPOINTS

GENERATOR INFORMATION

SECURITY INFORMATION

PLC STATUS

NETWORKS



Ack	Date In	Time In	A AREA1	Description	Value
1	12/11/2012	09:11:02.036	AMBUSHERS	(AB) SECURITY SYSTEM INTRUSION ALARM	NO ALARM
2	12/11/2012	08:45:47.034	OPERATIONS CENTER	(OC) SECURITY SYSTEM INTRUSION ALARM	ALARM ACTIVE
3	12/11/2012	08:07:52.886	PATHFINDER	(PF) SECURITY SYSTEM INTRUSION ALARM	ALARM ACTIVE
4	12/11/2012	08:04:12.686	TERMINAL STORAGE SE(TS2) R1 E OVERFLOW INTRUSION ALARM		ALARM ACTIVE
5	12/11/2012	08:04:12.686	TERMINAL STORAGE SE(TS2) R1 E OUTLET VAULT INTRUSION ALARM		ALARM ACTIVE
6	12/11/2012	08:04:12.686	TERMINAL STORAGE SE(TS2) R1 ARCD OUTLET INTRUSION ALARM		AI ARM ACTIVE

LOGIN / LOGOUT

TOM MONK

9:02:47 AM
12/11/2012

PRINT SCREEN

WALNUT VALLEY WATER DISTRICT
Quality Since 1962

POTABLE WATER SYSTEM OVERVIEW

RECYCLED WATER SYSTEM OVERVIEW

SOURCE WATER SYSTEM OVERVIEW

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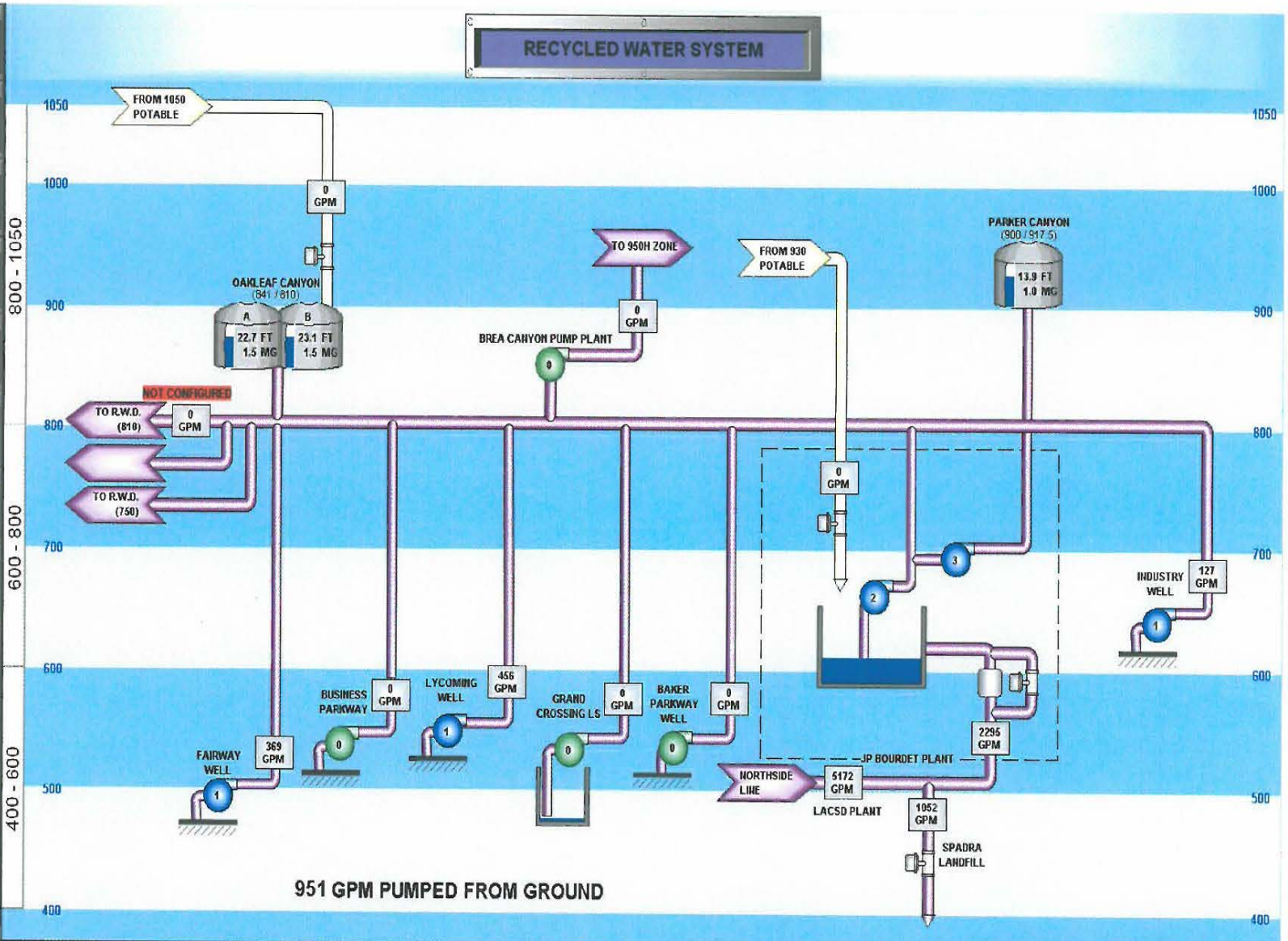
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	Ack	Date In	Time In	A AREA1	Description	Value
1	✓	6/5/2015	02:14:22.364	FERN HOLLOW	(FH) COMM. FAILURE WITH 1050Z BADGEMETER	ALARM ACTIVE
2						
3						
4						
5						
6						

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7:20:30 AM
6/9/2015

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POTABLE WATER SYSTEM OVERVIEW

RECYCLED WATER SYSTEM OVERVIEW

SOURCE WATER SYSTEM OVERVIEW

TRENDS

ALARM SUMMARY

REPORTS

EVENTS

SETPOINTS

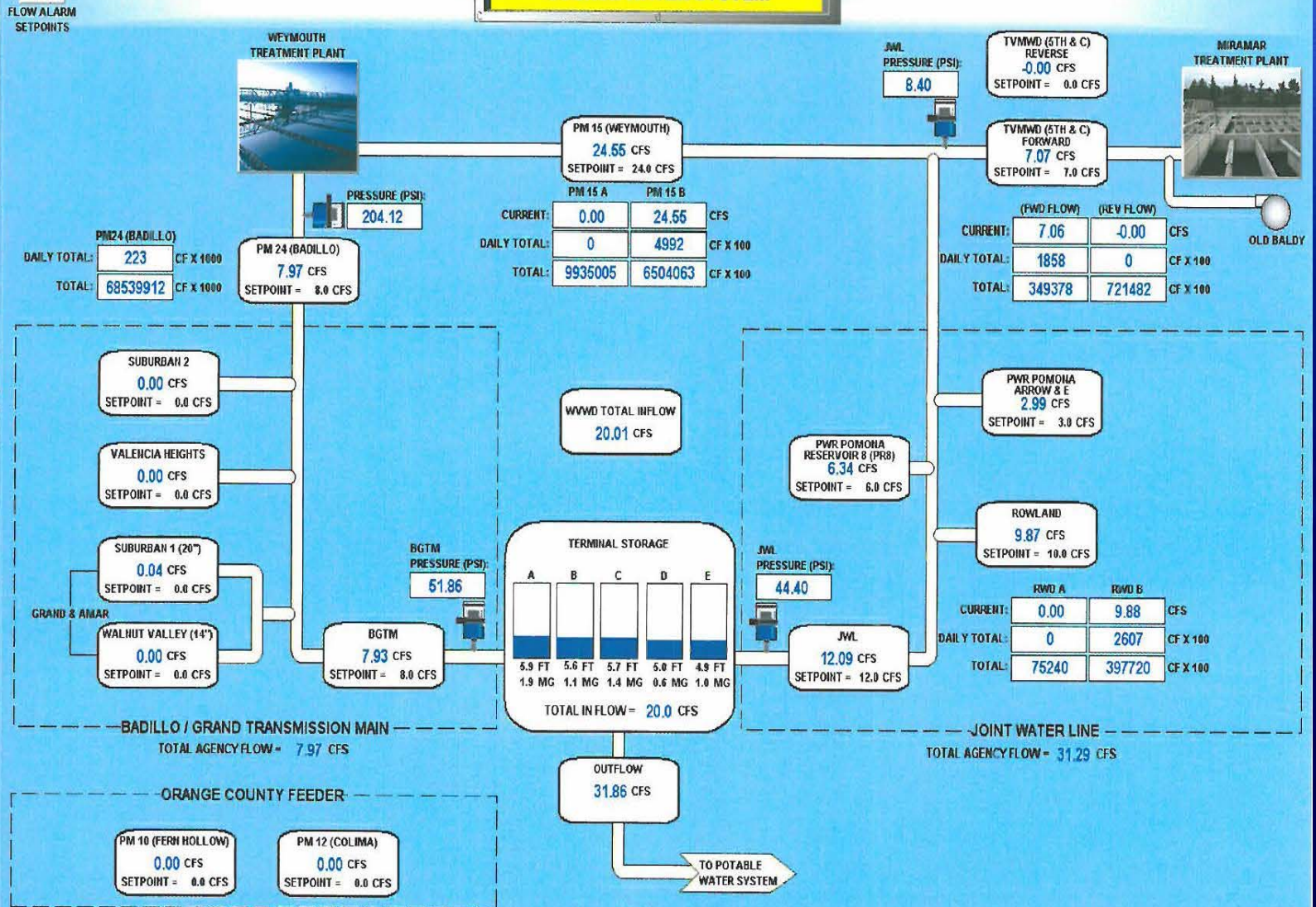
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SOURCE WATER SYSTEM



Ack	Date In	Time In	A AREA1	Description	Value
1	6/5/2015	02:14:22.364	FERN HOLLOW	(FH) COMM. FAILURE WITH 1050Z BADGEMETER	ALARM ACTIVE
2					
3					
4					
5					
6					

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6/9/2015





Meter Connections

Single-family Residential	24,773
Multi-family Residential	215
Commercial / Institutional	1,115
Industrial	177
Landscape Irrigation	322
Total	26,078



Annual Water Use (Million Gallons)

Single-family Residential	5,447
Multi-family Residential	730
Commercial / Institutional	800
Industrial	159
Landscape Irrigation	392
Total	7,528

Recycled Water



Serves parks, school grounds, and
other large landscaped areas

Recycled Water



- Reduces our dependence on costly imported water supplies
- Recycled water supplied from Pomona Water Reclamation Plant & Wells
- Average annual delivery of 537 million gallons
- Diamond Bar Golf Course manmade lake w/capacity of 1.7MG of Recycled Water



Recycled Water System



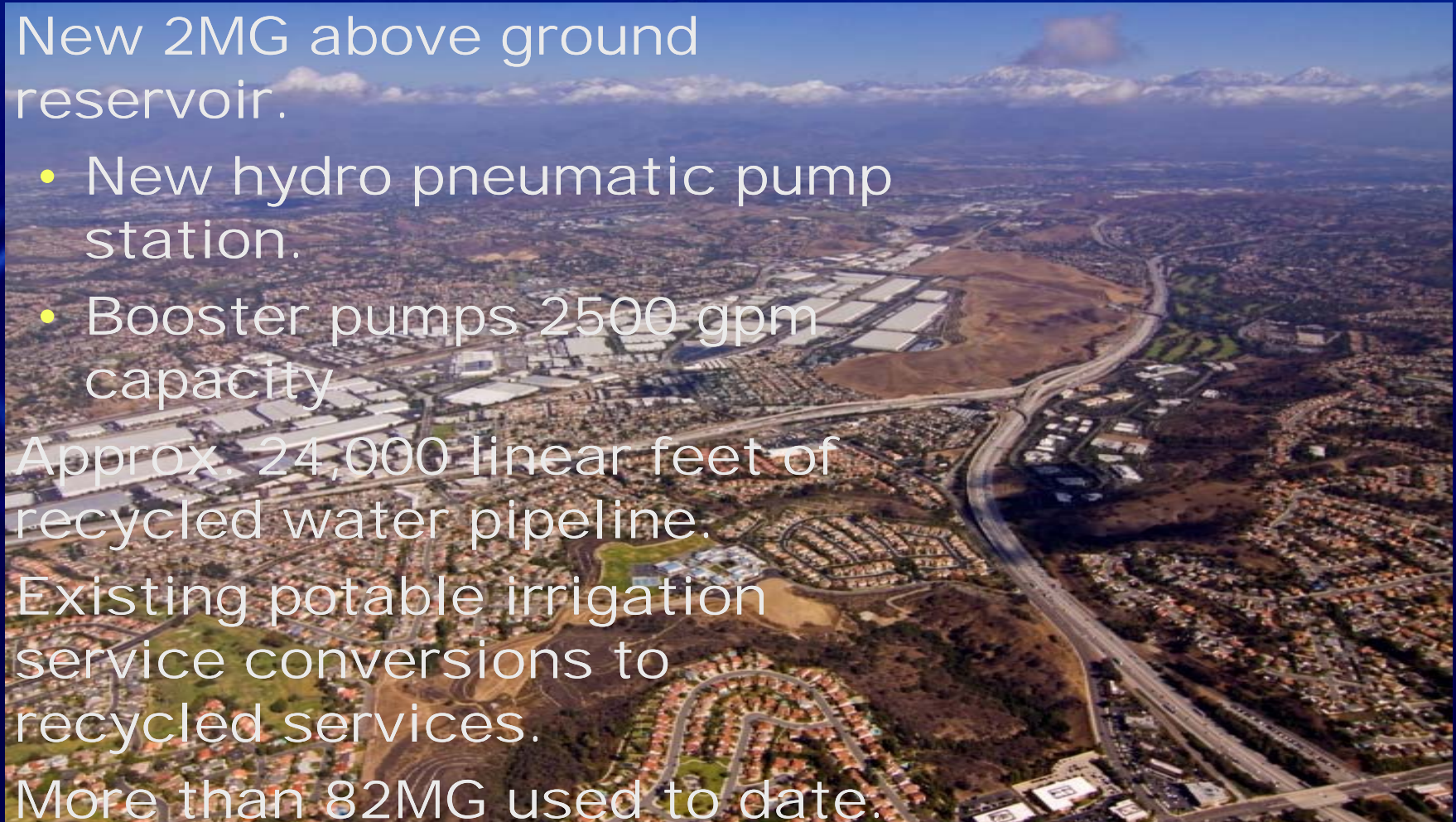
- 💧 3 Reservoirs with a combined storage capacity of 5.2 million gallons
- 💧 Recycled Pump Station
 - Main pumps - 3,500 gpm capacity
 - Booster pumps - 1500 gpm capacity
- 💧 5 wells - 2,000 gpm combined capacity
- 💧 32 miles of pipeline
- 💧 300 metered services ($\frac{3}{4}$ " to 8")
- 💧 3 pressure zones 810, 900, 950H
- 💧 2 Recycled Interties w/RWD



Industry Business Center



- 💧 New Water facilities for the 600 acre project include:
- 💧 New 2MG above ground reservoir.
 - New hydro pneumatic pump station.
 - Booster pumps 2500 gpm capacity
- 💧 Approx. 24,000 linear feet of recycled water pipeline.
- 💧 Existing potable irrigation service conversions to recycled services.
- 💧 More than 82MG used to date.

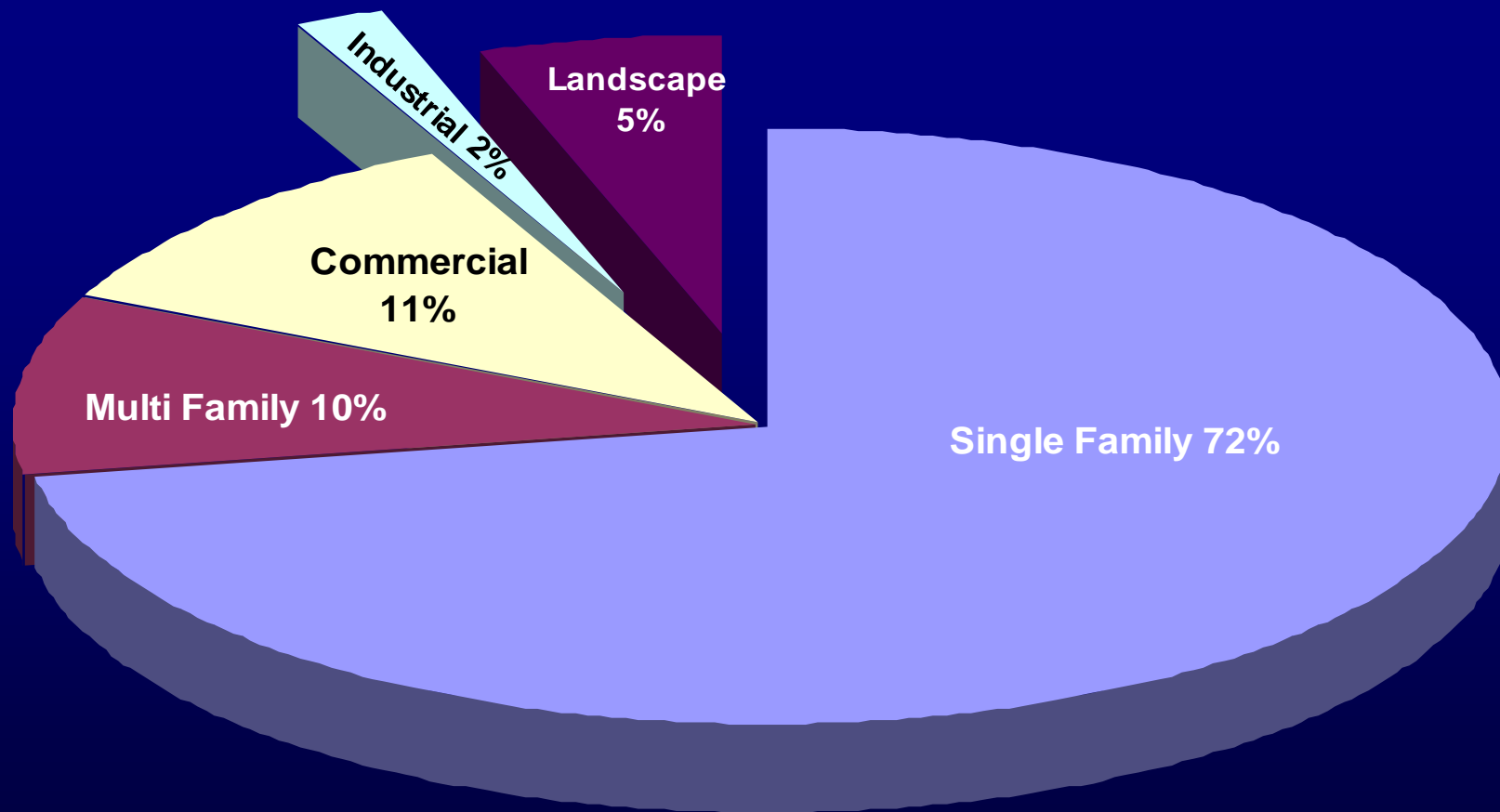




Water Conservation

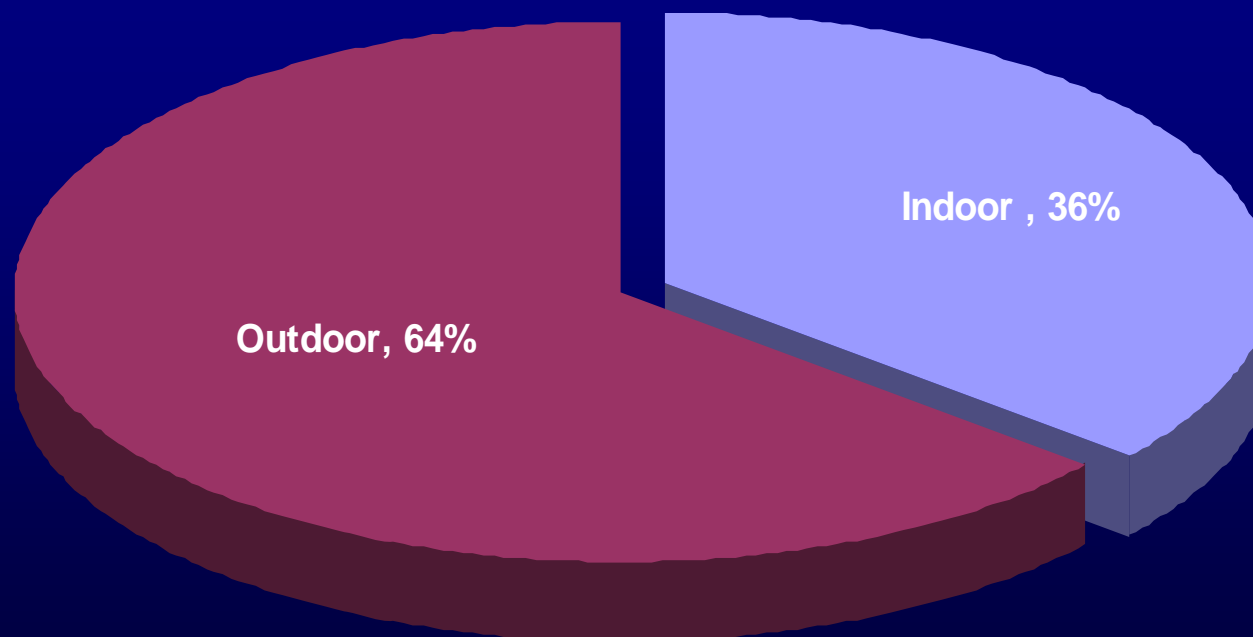


Water Use In the District





Residential Water Usage





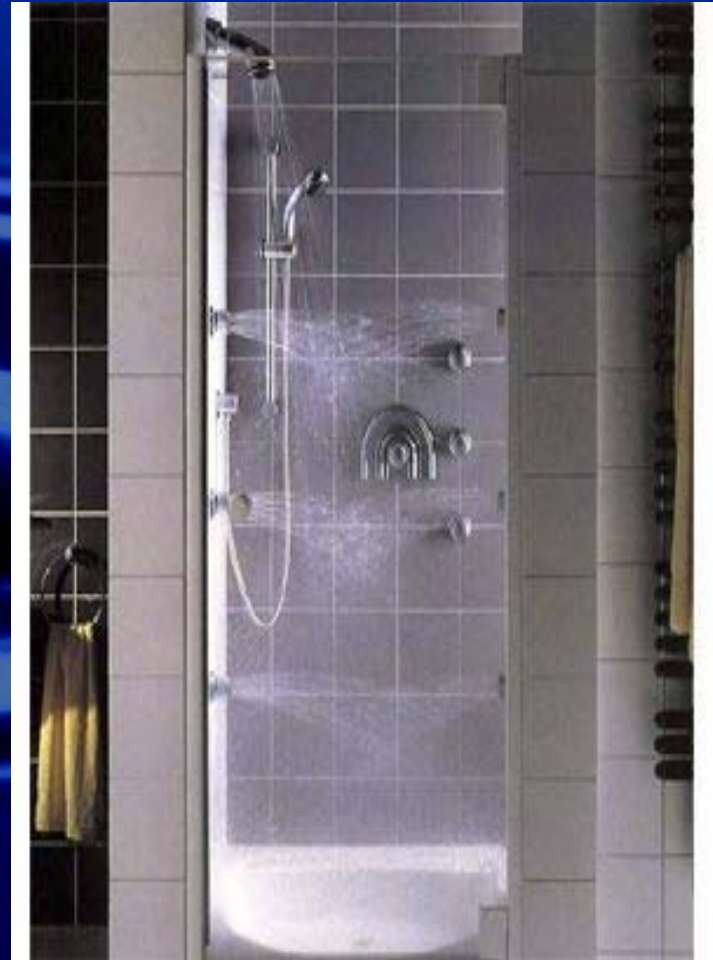
INDOOR RESIDENTIAL WATER USE



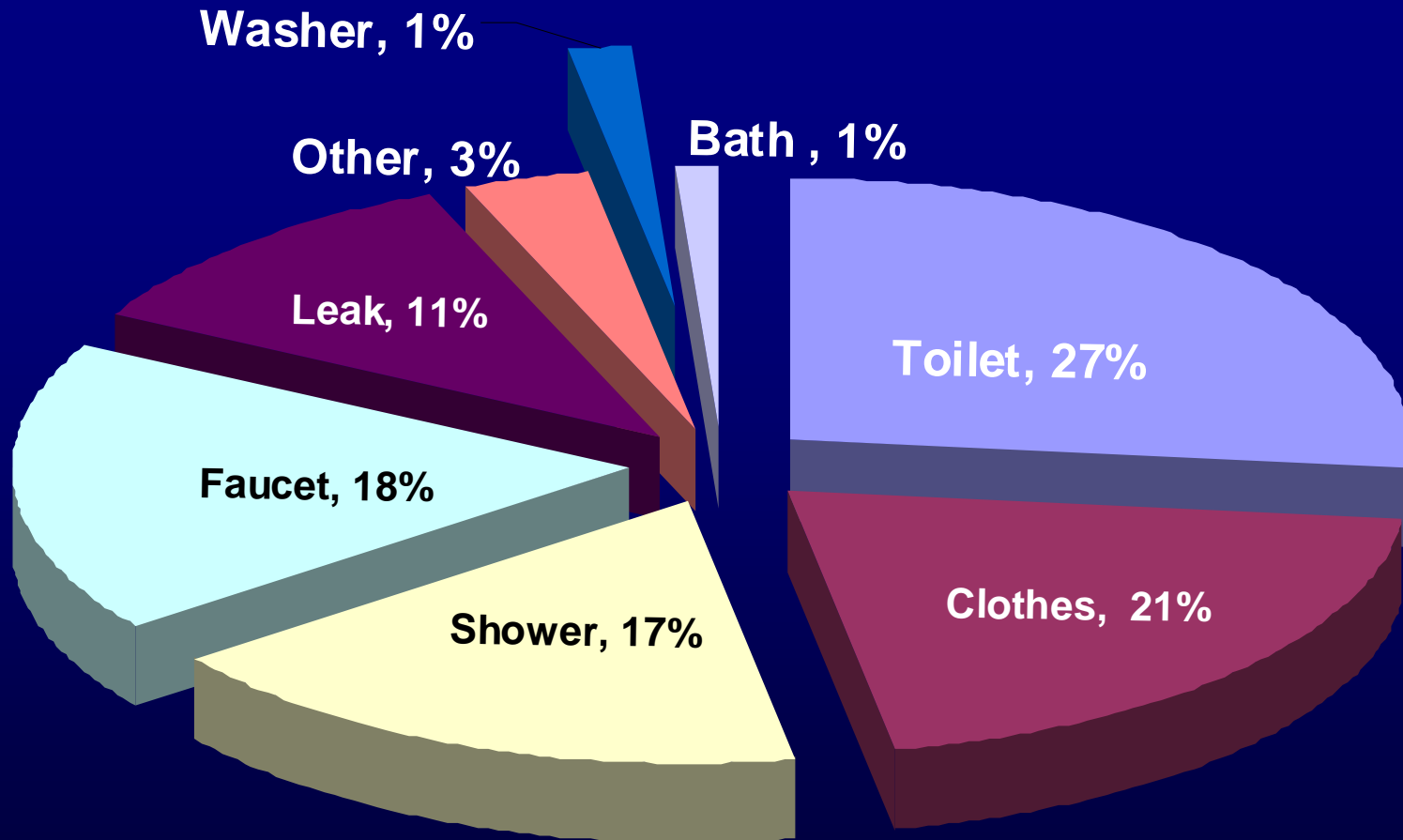
Indoor Conservation



- 💧 Go after the easy stuff first
- 💧 Fix leaks
- 💧 Change showerheads, faucets, toilets



Indoor Water Usage



Outdoor Water Use



Landscape Water Waste



- 💧 Poor irrigation scheduling
- 💧 Watering too often
- 💧 Inefficient irrigation systems
- 💧 Poor maintenance
- 💧 Leaks



California Friendly



- 💧 Low water using
- 💧 California friendly plants are native to other areas with similar climatic conditions
- 💧 Thrive in our climate
- 💧 More tolerant of varying watering regimes
- 💧 Thrive in our soils





Thank you!

Please Visit our Website
www.wvwd.com