

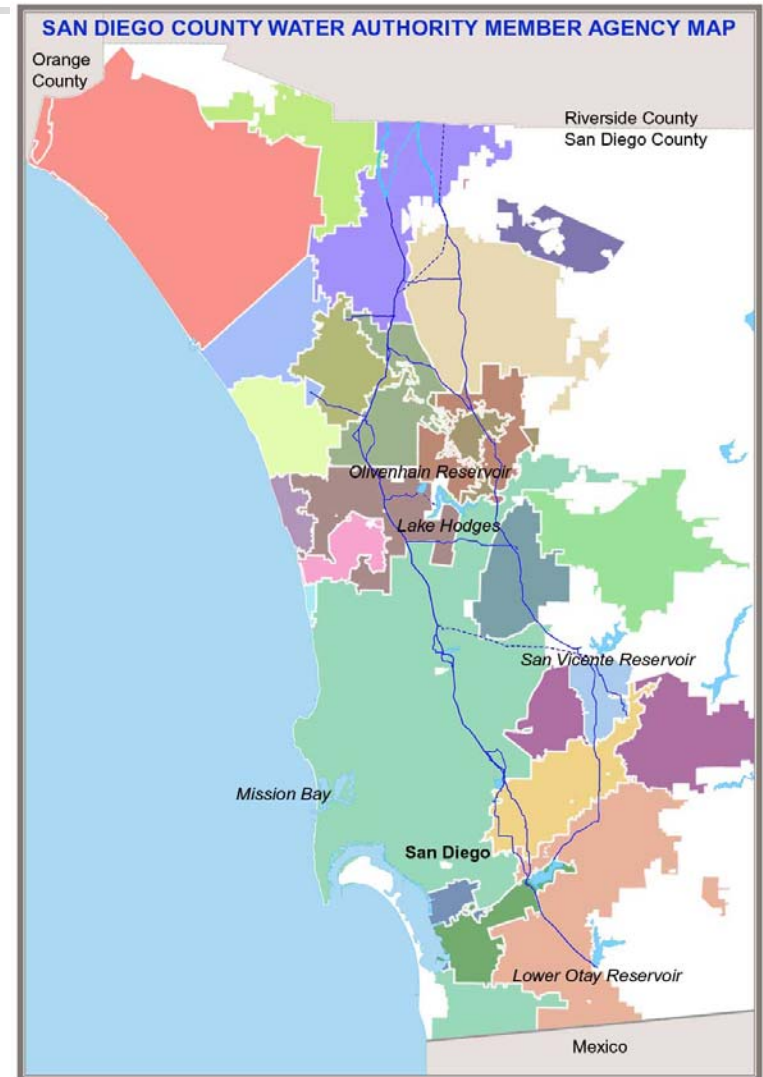
# Water Supply and Rates 2009 Outlook



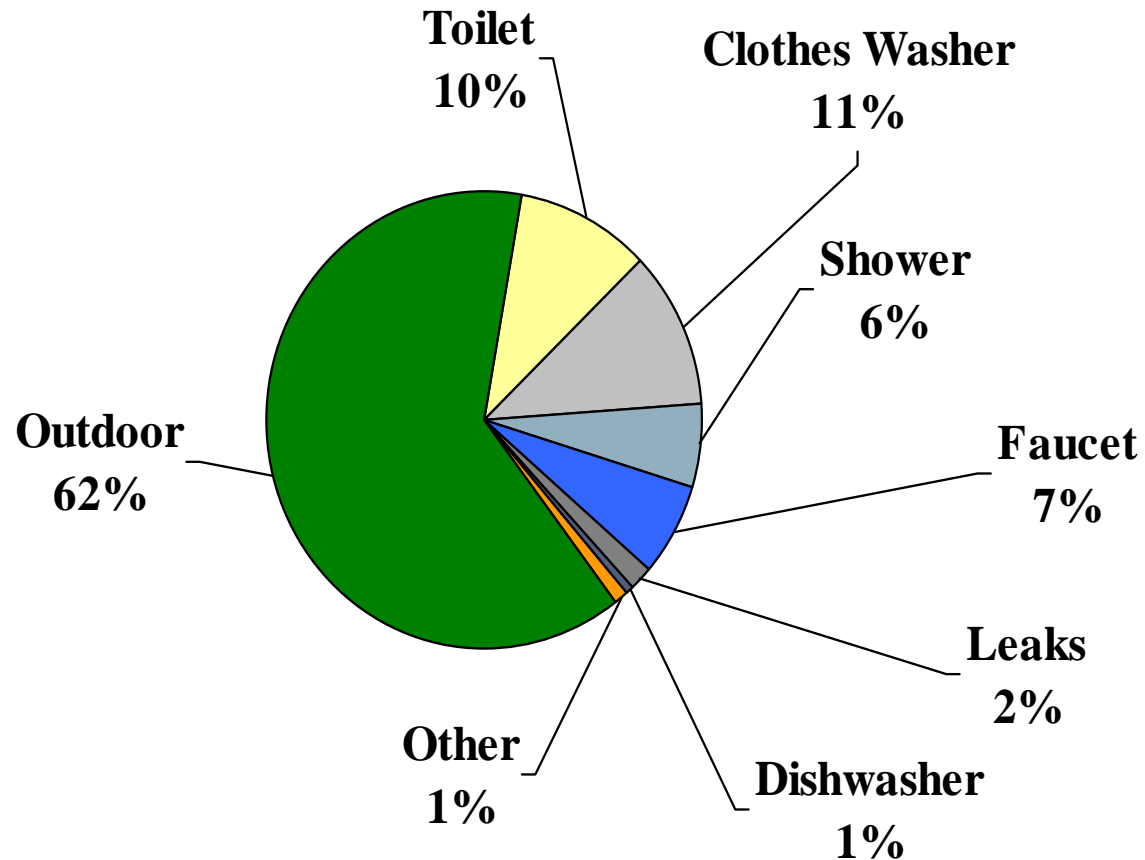
**International Facilities Managers Association  
July 8, 2009**

# Water Authority Background

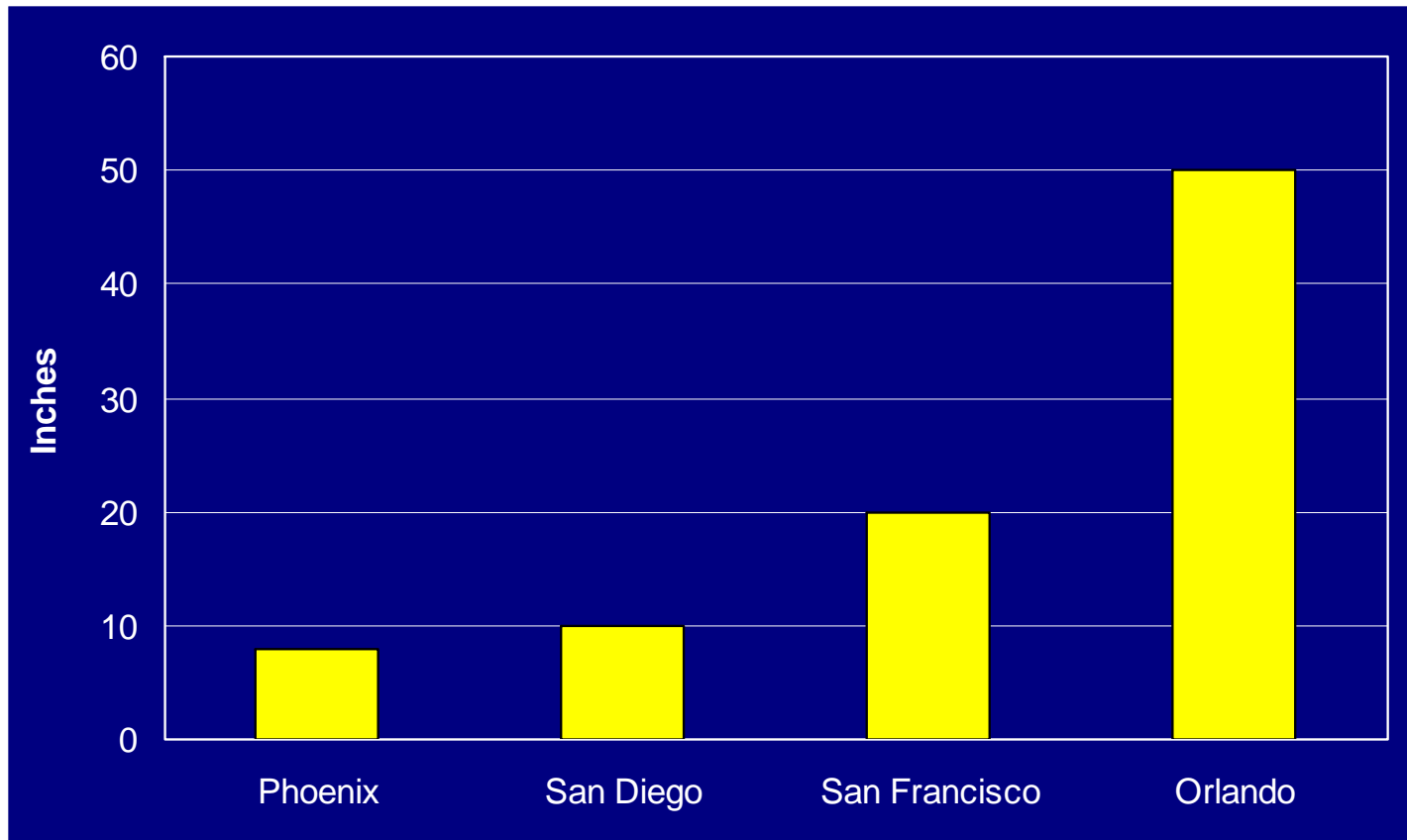
- Wholesale water agency created by State Legislature in 1944
  - 35-member board of directors
  - Serves 3 million people and region's \$171 billion economy
- Service area
  - 920,000 acres
  - 97% of county's population



# Where is your Water Used?

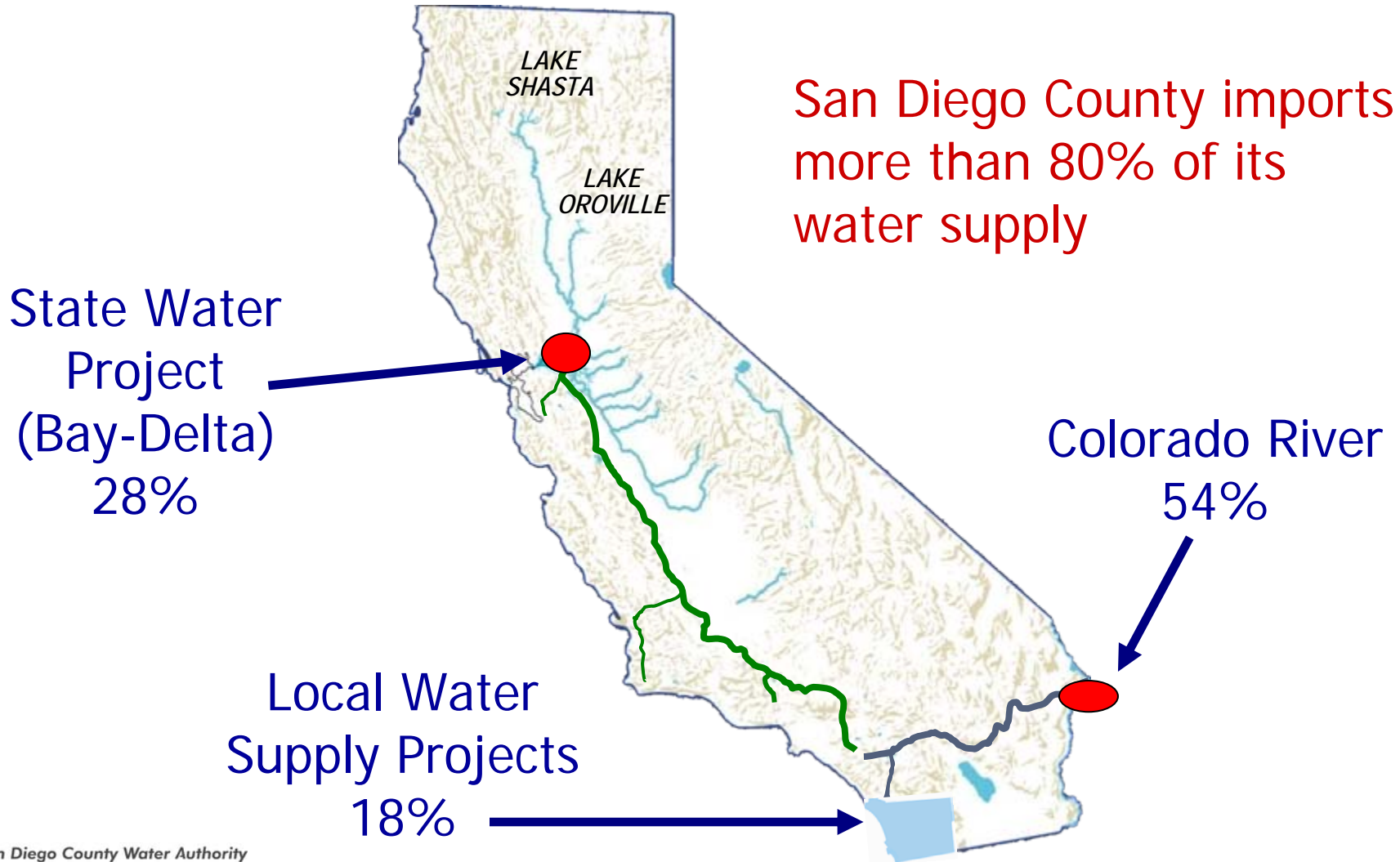


# Average Annual Rainfall



# San Diego County's Water Sources

San Diego County imports more than 80% of its water supply



# Colorado River Aqueduct



# Sacramento-San Joaquin Delta





# Three Challenges to Our Water Supply

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## 1. Regulatory

- Pumping restrictions are sharply limiting imported water from Northern California

## 2. Drought

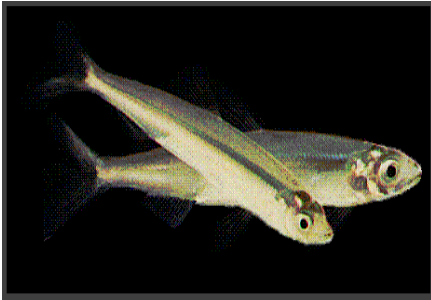
- Last three years in California
- 8 of last 10 on the Colorado River

## 3. Low storage

- Major reservoirs have been drawn down to low levels



# Fish Protections Restrict Pumping



Delta smelt



Longfin smelt



Green sturgeon



Banks Pumping Plant  
State Water Project



Central Valley  
steelhead



Chinook salmon

**Additional pumping restrictions expected**



# Drought Challenges

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- Drought in 8 of last 10 years on the Colorado River
- Two consecutive years – 2007 & 2008 – of drought in California
- 2009 still below normal
- Local rainfall provides only 5% of San Diego County's water supply

# Storage Challenges

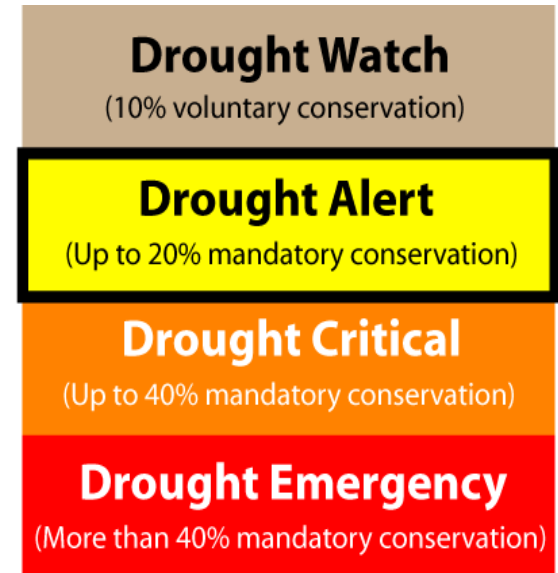


Lake Mead



# Impacts to San Diego County

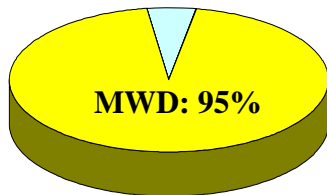
- Metropolitan Water District (MWD) will allocate supplies
  - 13% cut from MWD starting July 1
- Water Authority allocating supplies to its 24 member retail agencies
  - Regional shortage: 8%
  - Cutbacks to agriculture: 13% to 30%
- “Drought Alert” condition
  - Mandatory water use restrictions



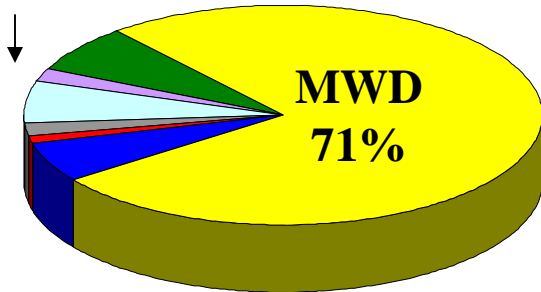
# Diversifying San Diego County's Water Supply Portfolio

1991

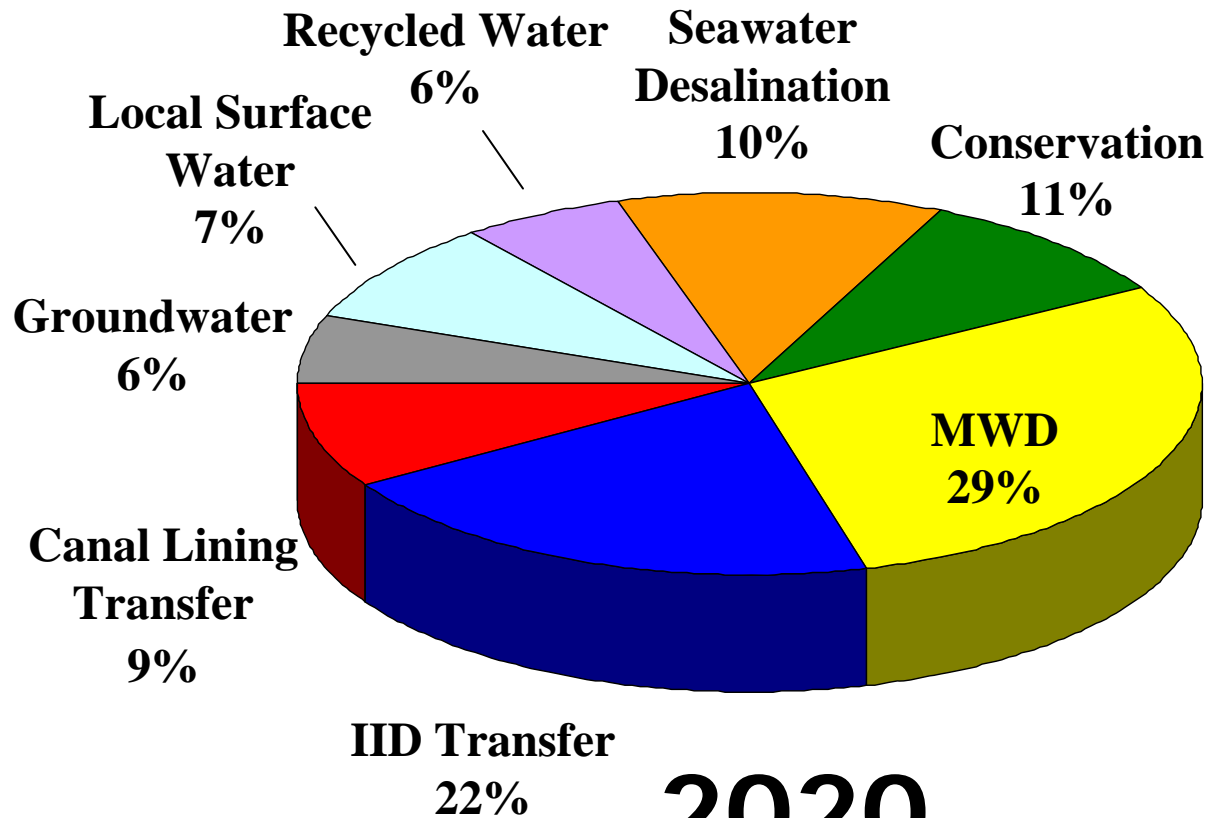
Local Supplies: 5%



Local & QSA Supplies 29%



2008



2020

# What can WE do?

- Residential Conservation Programs and Incentives



[www.Socalwatersmart.com](http://www.Socalwatersmart.com)



\$50 per High Efficiency Toilet



\$50 per High Efficiency Washer



# What can WE do?

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- Mobile Home Park Conservation Programs and Incentives



\$50 High Efficiency Toilets rebate

[www.mwdsaveabuck.com](http://www.mwdsaveabuck.com)



Free Landscape Survey/Audit

[www.20gallonchallenge.com](http://www.20gallonchallenge.com)

Or Call (800) 986-4538



# What can YOU do?

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- Businesses/residents MUST save more water now
  - Make immediate changes to eliminate water waste
  - Visit [www.20gallonchallenge.com](http://www.20gallonchallenge.com) for ideas on how to save water
  - Learn about potential local agency rates and restrictions.
  - Adopt permanent ethic of conservation/efficiency
- Support water reliability efforts
  - Push state leaders to fix Bay-Delta
  - Support expansion of local supply projects
    - Desalination, recycling, groundwater





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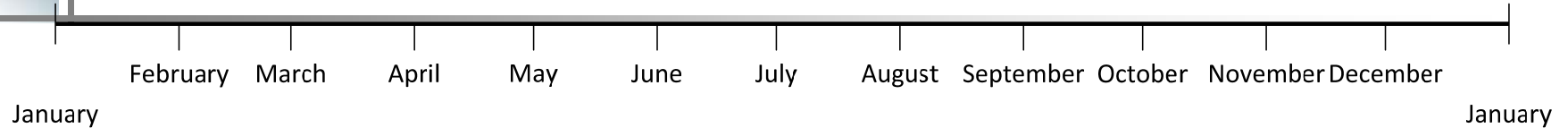
# Routine Maintenance & Quick Fixes

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## Top 5 Quick Water and Money Savings Tips



# Maintenance Schedule



## Check Irrigation Schedule

Monthly

## Check Stations for Leaks

Single Family: Visual Inspection Per Visit; Full Operating Inspection Monthly

Commercial/Multifamily: Visual Inspection Per Visit; Full Operating Inspection Monthly

# #1: Broken Head Under Hedge



## #2: Misaligned Head



# #3: Low Head Drainage/Mixed Heads



The photo is the property of [SprinklerWarehouse](#)



# #4: Split Head



# #5 Check Irrigation Schedule



# Field Example

## Mount La Jolla Association

Average **30%** Savings

- Installed Smart Controllers
- Installed Rotating Nozzles (Turf)
- Redesigned System to Improve Uniformity (Turf)
- Replaced Brass Heads with More Efficient Heads (Shrub)



**10 Million Gallons**  
Projected Savings Annually





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# Questions?

San Diego County Water Authority  
Speakers Bureau Requests and Information

[speakersbureau@sdcwa.org](mailto:speakersbureau@sdcwa.org)

(858) 522-6708

[www.20gallonchallenge.com](http://www.20gallonchallenge.com)