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?

- Outdoor: 62%
- Toilet: 10%
- Clothes Washer: 11%
- Shower: 6%
- Faucet: 7%
- Leaks: 2%
- Dishwasher: 1%
- Other: 1%
Average Annual Rainfall

- Phoenix
- San Diego
- San Francisco
- Orlando

Rainfall in Inches

San Diego County Water Authority
San Diego County’s Water Sources

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

State Water Project (Bay-Delta) 28%

Colorado River 54%

Local Water Supply Projects 18%

San Diego County imports more than 80% of its water supply
Colorado River Aqueduct
Sacramento-San Joaquin Delta
Three Challenges to Our Water Supply

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

Additional pumping restrictions expected
Drought Challenges

- 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

Drought Watch
(10% voluntary conservation)

Drought Alert
(Up to 20% mandatory conservation)

Drought Critical
(Up to 40% mandatory conservation)

Drought Emergency
(More than 40% mandatory conservation)
Diversifying San Diego County’s Water Supply Portfolio

1991
- Local Supplies: 5%
- MWD: 95%

Local & QSA Supplies 29%

- MWD 71%

2008

- MWD 29%
- IID Transfer 22%
- Seawater Desalination 10%
- Conservation 11%
- Recycled Water 6%
- Local Surface Water 7%
- Groundwater 6%
- Canal Lining Transfer 9%

2020
What can WE do?

- Residential Conservation Programs and Incentives

  www.Socalwatersmart.com

  $50 per High Efficiency Toilet

  $50 per High Efficiency Washer
What can WE do?

- **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?

- 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
Routine Maintenance & Quick Fixes

Top 5 Quick Water and Money Savings Tips
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
#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
Questions?

San Diego County Water Authority
Speakers Bureau Requests and Information
speakersbureau@sdcwa.org
(858) 522-6708
www.20gallonchallenge.com