

2011/13 Biennial Budget

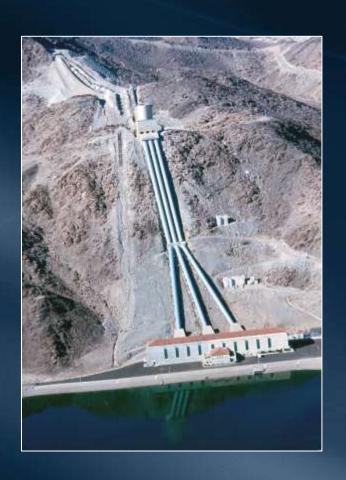
Water System Operations Budget

Engineering & Operations Committee Item 6c February 7, 2011

Water System Operations Core Priorities

Reliable system operations

- Scheduled water deliveries
- Optimized water treatment
- Emergency response
- Full regulatory compliance
 - High quality water
 - Safety
 - Environmental protection



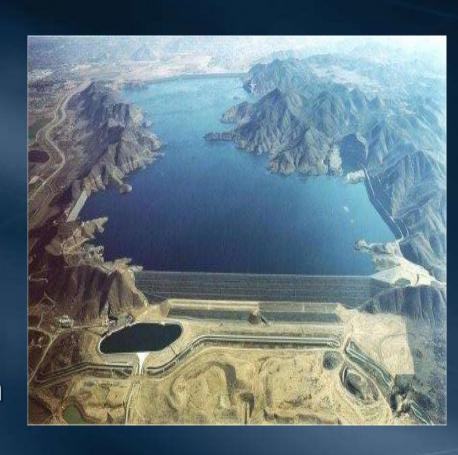
Water System Operations Core Priorities (continued)

Effective maintenance

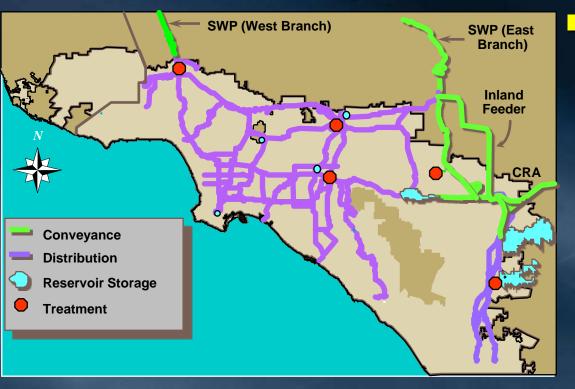
- Stand-by generator improvements
- Maintenance standards
- Condition-based maintenance

Sustainability

- Power management
- Source water protection
- Support water resource programs
- Workforce development



Water Delivery and Treatment System



- Colorado River Aqueduct (242 miles)
 - ✓ Five pumping plants
 - √ 64 miles of canal
 - ✓ 92 miles of tunnel
 - ✓ 83 miles of conduit & siphon
 - √ 330 miles of high voltage transmission lines

- **Five Treatment Plants**
 - ✓ 2,640 MGD total design capacity
 - ✓ Ozone & conventional treatment processes

- Distribution and storage
 - ✓ Nine surface reservoirs
 - √ 800 miles of pipeline
 - √ 16 small hydroelectric plants
 - ✓ Over 5,000 structures & 350 service connections

Water System Operations Group Organization

WATER SYSTEM OPERATIONS GROUP

Jim Green

Assistant Group Mgr - Vacant

Conveyance & Distribution

Bill Pecsi

Environmental,

Health & Safety

Bart Koch

Operations & Planning

Mike Morel

Operations Support Services

Lilly Shraibati

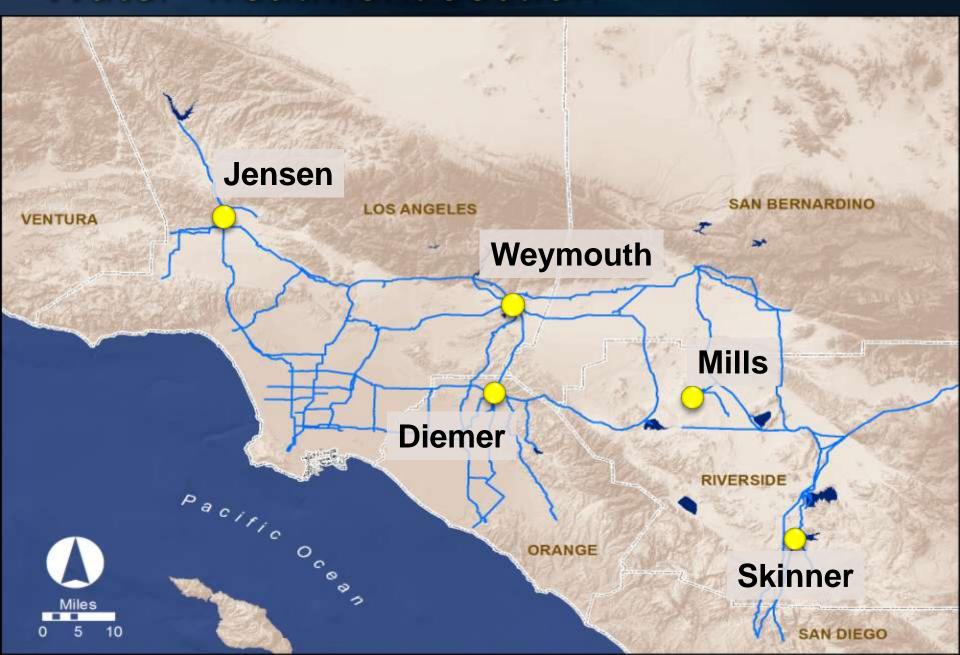
Water Quality

Mic Stewart

Water Treatment

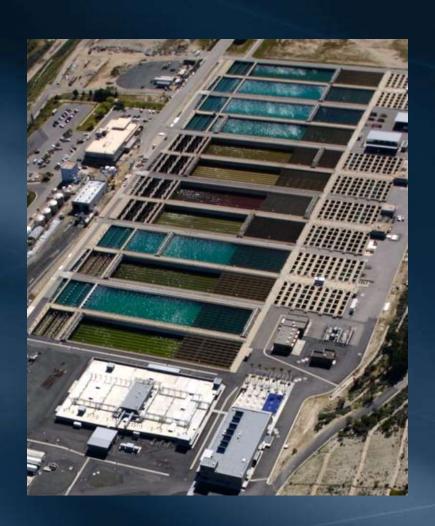
Brad Coffey

Water Treatment Section



Jensen Water Treatment Plant Unit

- 750 million gal/day
- 2nd largest in U.S.
- 11,600 pieces of equipment
- Staffing complement
 - Plant manager
 - Craft supervisors
 - Operators (all shifts)
 - Mechanics
 - Electricians
 - Electronic technicians
 - Support staff
- Electrical & electronic support to the distribution system



Conveyance and Distribution Section



Western Distribution System Unit

- 425 miles of pipeline
- 27,200 pieces of equipment
- Staffing complement
 - Area manager
 - Craft supervisors
 - Pipeline mechanics
 - Patrollers
 - Coaters
 - Support staff



water System Operations Bienniai Budget Overview					
Expense Type	2010/11	2011/12	Variance	2012/13	Variance
(\$ M)	Budget	Budget	2010/11	Proposed	2011/12
			to		То

124.4

22.2

5.2

2.5

37.3

6.0

197.6

929

1.02

119.0

26.5

5.1

2.4

37.2

1.6

191.9

928

1.14

Labor

Other

Total

(MAF)

(Variable WT)

Utilities (Non-WT)

Operating Equip

Budgeted Positions

Treated Water Sales

Totals may not foot due to rounding

Professional Services

Chemicals, Power, Solids

2011/12

5.4

(4.3)

0.1

0.0

0.1

4.4

5.7

1

(0.12)

2012/13

2.8

1.3

0.1

0.0

1.4

0.0

5.6

0

0.03

127.2

23.5

5.3

2.5

38.7

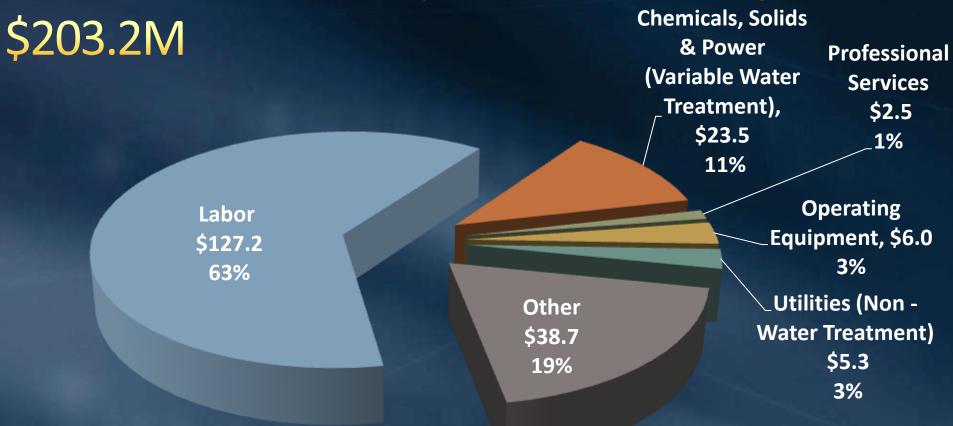
6.0

203.2

929

1.05

WSO FY 2012/13 Proposed O&M Budget



Other includes non-professional services, materials & supplies, security, fuel, communications, repairs & maintenance

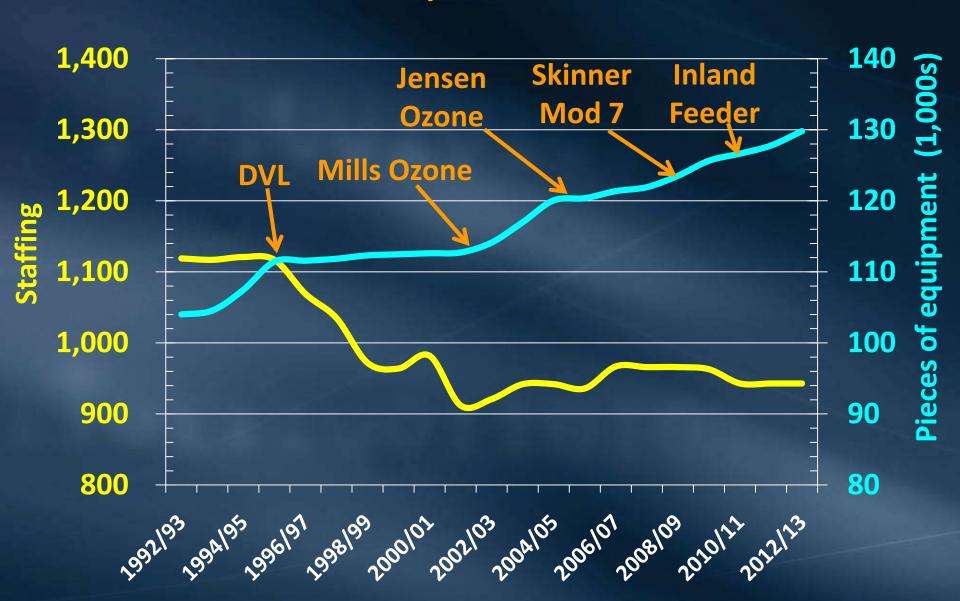
Budgeted Staffing Trend 2011/13 Biennial Proposed Budget



Water System Operations Group 2011/13 Biennial Operating Equip. (\$M)



Workforce Efficiency



Water System Operations Group 2011/13 Proposed Biennial Summary

- Maintain staffing levels despite infrastructure increasing
- FY 11/12 Budget Actions
 - Reduced variable treatment
 - Reduced number of fleet assets but reinvesting to maintain effective fleet
 - Inflationary pressure on labor additives
- FY 12/13 Budget Actions
 - Optimize treatment costs
 - Maintenance initiatives increase materials & supplies
 - Inflationary pressure on labor additives, chemicals, supplies



