

METROPOLITAN WATER DISTRICT OF SOUTHERN CALIFORNIA RETIREE HEALTHCARE PLAN



Valuation Summary

January 1, 2009 GASB 45 Actuarial Valuation

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WHAT IS GASB 45?

- OPEB: (Other than pension Post Employment Benefits)
- Historically accounted for as Pay-As-You-Go
 - Generally ignored until employees retire
 - Pay \$1 / Account for \$1
- GASB Statement No. 45 Issued June 2004
 - Requires agencies recognize OPEB costs over active service of employees rather than on a pay-as-you-go basis
 - "Annual Required Contribution" how much should be set aside
 - Accrue difference between
 - > ARC
 - ➤ Actual payments
 - District implemented GASB 45 for 2005/06 Fiscal Year
 - District continues to fund on a Pay-As-You-Go basis





DEFINITIONS OF TERMS

Actuarial Accrued Liability (AAL)

Liability for benefits "earned" for past service using actuarial assumptions

■ Normal Cost (NC)

Value of benefits "earned" during the current year

■ Annual Required Contribution (ARC)

- Normal Cost, plus
- Amortization of unfunded AAL (UAAL)

■ Net OPEB Obligation (NOO)

Historical difference between ARC and actual contributions

■ PayGo

Cash payments for retiree benefits





BENEFIT SUMMARY

■ Eligibility	■ Full-time employees that retire directly from the District under CalPERS
	■ Age 50 and 5 years District service
■ Medical Benefit	■ District pays PEMHCA medical premium for retirees and eligible dependents up to 90% of PERSCare LA Basic premium – same cap both pre and post 65
■ Dental, Vision, Life	■ None





PARTICIPANT STATISTICS

	June 30, 2007 Valuation	January 1, 2009 Valuation
■ Actives		
• Count	1,859	1,923
 Average Age 	49.0	48.7
 Average District Service 	14.1	13.5
 Average Pay 	\$88,000	\$94,500
 Total Payroll 	\$163,500,000	\$181,800,000
Retirees		
• Count:	1,256	1,336
 Average Age 	70.5	70.4
 Average Retirement Age 	57.8	58.3





ACTUARIAL METHODS

■ Funding Method	 Entry Age Normal Spreads cost evenly over service as a level percent of pay for each participant
■ UAAL Amortization	 Level percent of payroll amortization: 6/30/07 UAAL: 30 years starting 2007/08 Assumption Changes: 20 years Gains/Losses: 15 years





ACTUARIAL ASSUMPTIONS

■ Discount Rate	■ 5.00%: Pay-As-You-Go
■ Inflation	3.00%
Payroll Increases	■ 4.00%, used to amortize UAAL
Healthcare Trend	 8.4% (Kaiser), 9.4% (Blue Shield), 10.0% (PPO) initial increase (2011) Grades down to 4.5% ultimate rate over 7 years
Medical Premium Load	■ Increase liabilities by 50% of medical premium gain
■ Retirement Age	 ■ CalPERS Assumptions: Misc 2%@55 ■ Average Retirement Age ≈ 60
■ Demographic	 CalPERS Assumptions (termination, mortality, disability, etc.)





Actuarial Obligations

(Amounts in \$000's)

	June 30, 2007 Valuation	January 1, 2009 Valuation
■ Present Value of Benefits	\$ 523,000	\$ 545,000
■ Actuarial Accrued Liability (AAL)		
• Actives	214,000	213,000
• Retirees	179,000	<u>191,000</u>
• Total	393,000	404,000
■ Assets		<u> </u>
■ Unfunded AAL	393,000	404,000
■ PayGo Cost	10,100	11,000





Annual Required Contribution (ARC)

(Amounts in \$000's)

	June 30, 2007 Valuation		January 1, 2009 Valuation	
	2007/08	2008/09	2009/10	2010/11
■ ARC - \$				
 Normal Cost 	\$ 14,100	\$ 14,700	\$ 16,300	\$ 17,000
 UAAL Amortization 	15,800	16,400	17,700	_20,200
• Total	29,900	31,100	34,000	37,200
■ Projected Payroll	163,500	170,000	185,400	192,800
■ ARC - % of Payroll				
 Normal Cost 	8.6%	8.6%	8.8%	8.8%
 UAAL Amortization 	9.7%	9.7%	9.6%	10.5%
• Total	18.3%	18.3%	18.4%	19.3%





Discount Rate Sensitivity

(Amounts in \$000's)

	Continue PayGo 5.00%	Full Pre-Funding 7.00%	Full Pre-Funding (CERBT) 7.75%
■ 1/1/09 Funded Status			
 Actuarial Accrued Liability (AAL) 	\$ 404,000	\$ 310,000	\$ 283,000
Assets	·	-	
 Unfunded AAL (UAAL) 	404,000	310,000	283,000
■ 2009/10 ARC			
 Normal Cost 	16,300	10,700	9,200
 UAAL Amortization¹ 	17,700	16,700	16,800
• ARC	34,000	27,400	26,000
 ARC as % of payroll 	18.4%	14.8%	14.0%
■ PayGo Cost 2009/10	11,000	11,000	11,000

³⁰⁻year fresh start amortization for 7.00% and 7.75% discount rate results due to gain from discount rate change.





Comparison with Other Public Agencies

Based on Bartel Associates GASB 45 Database

	MWD	Other Public Agencies
■ % of Pay		
Normal Cost	8.8%	6.1%
• ARC	18.4%	11.2%
Actuarial Accrued Liability (AAL)	218%	100%
■ Average Dollar		
Normal Cost (per active)	\$ 8,500	\$ 3,800
ARC (per participant)	10,500	5,600
AAL (per participant)	124,000	47,400





Summary

- January 1, 2009 Valuation:
 - UAAL = \$404 million
 - Net OPEB Obligation (NOO) on 6/30/09 = \$84.1 million
- UAAL and NOO will continue to grow unless District pre-funds into an irrevocable trust (e.g. CalPERS)
 - UAAL reduced to \$283 million
 - Requires additional 2009/10 cash contribution
 - \$26.0 million compared to \$11.0 million for Pay-As-You-Go









