

## REQUIRED SUPPLEMENTARY INFORMATION

Required Supplementary Information presents additional information as mandated by current governmental financial reporting standards.

**SCHEDULE OF EMPLOYER CONTRIBUTIONS**

**Teachers' Retirement Fund  
Last Ten Fiscal Years  
(\$000s)**

	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Actuarially determined contribution	\$ 56,781	\$ 44,469	\$ 39,513	\$ 31,636	\$ 6,407	\$ -	\$ -	\$ -	\$ -	\$ 6,000
Contributions in relation to actuarially determined contribution	56,781	44,469	39,513	31,636	6,407	-	-	-	-	6,000
Contribution deficiency (excess)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Covered payroll	\$ 447,762	\$ 438,079	\$ 417,090	\$ 378,926	\$ 369,071	\$ 381,235	\$ 384,455	\$ 337,516	\$ 336,600	\$ 359,100
Contributions as a percentage of covered payroll	12.68%	10.15%	9.47%	8.35%	1.74%	0.00%	0.00%	0.00%	0.00%	1.67%

**Notes to Schedule**

**Valuation Date:**

Actual contributions are based on valuations as of October 1, two years prior to end of fiscal year in which contributions are reported.

Methods and assumptions used to determine contribution rates:

Actuarial cost method	Entry age normal
Amortization method	Level dollar, closed
Remaining amortization period	17 years
Asset valuation method	7-year smoothed market
Inflation	3.50%
Salary increases	4.45% to 8.25%, including wage inflation of 4.25%
Investment rate of return	6.50%, net of pension plan investment expense, and including inflation
Cost of living adjustments	3.50% (Limited to 3.00% for those hired after 11/1/1996)

**SCHEDULE OF EMPLOYER CONTRIBUTIONS**

**Police Officers' and Firefighters' Retirement Fund  
Last Ten Fiscal Years  
(\$000s)**

	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008
Actuarially determined contribution	\$ 145,631	\$ 136,115	\$ 103,430	\$ 110,766	\$ 96,314	\$ 116,700	\$ 127,200	\$ 132,300	\$ 106,000	\$ 137,000
Contributions in relation to actuarially determined contribution	145,631	136,115	103,430	110,766	96,314	116,700	127,200	132,300	106,000	137,000
Contribution deficiency (excess)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Covered payroll	\$ 441,904	\$ 438,114	\$ 446,201	\$ 426,135	\$ 413,380	\$ 414,877	\$ 421,221	\$ 423,854	\$ 436,100	\$ 421,950
Contributions as a percentage of covered payroll	32.96%	31.07%	23.18%	25.99%	23.30%	28.13%	30.20%	31.21%	24.31%	32.47%

**Notes to Schedule**

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Salary increases	4.25% to 9.25%, including wage inflation of 4.25%
Investment rate of return	6.50%, net of pension plan investment expense, and including inflation
Cost of living adjustments	3.50% (Limited to 3.00% for those hired after 11/10/1996)

## SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

### Teachers' Retirement Fund Last Four Fiscal Years (\$000s)

	2017	2016	2015	2014
<b>Total pension liability</b>				
Service cost	\$ 65,911	\$ 61,599	\$ 53,297	\$ 50,409
Interest	131,657	124,370	118,378	112,204
Differences between expected and actual experience	(37,230)	2,656	(7,246)	-
Change in assumptions	14,106	-	-	-
Benefit payments, including refunds of employee contributions	(78,235)	(75,298)	(69,652)	(65,622)
Net change in total pension liability	96,209	113,327	94,777	96,991
<b>Total pension liability-beginning</b>	2,064,138	1,950,811	1,856,034	1,759,043
<b>Total pension liability-ending (a)</b>	<u>\$2,160,347</u>	<u>\$2,064,138</u>	<u>\$1,950,811</u>	<u>\$1,856,034</u>
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 56,781	\$ 44,469	\$ 39,513	\$ 31,636
Contributions - employees	34,364	33,591	31,621	28,751
Net Investment Income	239,554	152,262	(72,647)	132,086
Benefit payments including refunds of employee contributions	(78,235)	(75,298)	(69,652)	(65,622)
Administrative expenses	(4,721)	(4,746)	(4,543)	(3,787)
Other	907	1,033	385	522
Net change in plan fiduciary net position	248,650	151,311	(75,323)	123,586
<b>Plan fiduciary net position-beginning</b>	1,821,949	1,670,638	1,745,961	1,622,375
<b>Plan fiduciary net position-ending (b)</b>	<u>\$2,070,599</u>	<u>\$1,821,949</u>	<u>\$1,670,638</u>	<u>\$1,745,961</u>
<b>District's net pension liability(asset)-ending (a)-(b)</b>	<u>\$ 89,748</u>	<u>\$ 242,189</u>	<u>\$ 280,173</u>	<u>\$ 110,073</u>
<b>Plan fiduciary net position as a percentage of total pension liability (b)/(a)</b>	95.85%	88.27%	85.64%	94.07%
<b>Covered payroll</b>	\$ 447,762	\$ 438,079	\$ 417,090	\$ 378,926
<b>Net pension liability(asset) as a percentage of covered payroll</b>	20.04%	55.28%	67.17%	29.05%

**Note to Schedule:**

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

## SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS

### Police Officers' and Firefighters' Retirement Fund Last Four Fiscal Years (\$000s)

	2017	2016	2015	2014
<b>Total pension liability</b>				
Service cost	\$ 196,629	\$ 198,020	\$ 192,114	\$ 176,102
Interest	300,626	282,285	257,943	235,097
Differences between expected and actual experience	(188,549)	(106,840)	(2,477)	-
Change in assumptions	67,256	-	-	-
Benefit payments, including refunds of employee contributions	(94,184)	(81,316)	(65,030)	(54,421)
Net change in total pension liability	281,778	292,149	382,550	356,778
<b>Total pension liability-beginning</b>	4,675,562	4,383,413	4,000,863	3,644,085
<b>Total pension liability-ending (a)</b>	<u>\$4,957,340</u>	<u>\$4,675,562</u>	<u>\$4,383,413</u>	<u>\$4,000,863</u>
<b>Plan fiduciary net position</b>				
Contributions - employer	\$ 145,631	\$ 136,115	\$ 103,430	\$ 110,766
Contributions - employees	33,424	32,785	33,679	32,821
Net Investment Income	655,310	415,157	(187,283)	338,894
Benefit payments including refunds of employee contributions	(94,184)	(81,316)	(65,030)	(54,421)
Administrative expenses	(12,838)	(12,918)	(11,939)	(9,730)
Other	2,468	2,810	1,012	1,342
Net change in plan fiduciary net position	729,811	492,633	(126,131)	419,672
<b>Plan fiduciary net position-beginning</b>	4,954,631	4,461,998	4,588,129	4,168,457
<b>Plan fiduciary net position-ending (b)</b>	<u>\$5,684,442</u>	<u>\$4,954,631</u>	<u>\$4,461,998</u>	<u>\$4,588,129</u>
<b>District's net pension liability(asset)-ending (a)-(b)</b>	<u>\$ (727,102)</u>	<u>\$ (279,069)</u>	<u>\$ (78,585)</u>	<u>\$ (587,266)</u>
<b>Plan fiduciary net position as a percentage of total pension liability (b)/(a)</b>	114.67%	105.97%	101.79%	114.68%
<b>Covered payroll</b>	\$ 441,904	\$ 438,114	\$ 446,201	\$ 426,135
<b>Net pension liability(asset) as a percentage of covered payroll</b>	(164.54%)	(63.70%)	(17.61%)	(137.81%)

**Note to Schedule:**

Schedule is intended to show information for 10 years. Additional years will be displayed as they become available.

## ACTUARIAL ANALYSES

### Other Postemployment Benefits (OPEB) Program

An independent actuary performed an actuarial analysis of the Plan's assets and liabilities as of September 30, 2016, September 30, 2015 and September 30, 2014 to determine the future funding status of the Plan, which is outlined below.

	Valuation Date		
	September 30, 2016 (Projected from September, 2014 census)	September 30, 2015 (Projected from September, 2014 census)	September 30, 2014 (Projected from September, 2012 census)
Actuarial cost method	Entry Age Normal	Entry Age Normal	Entry Age Normal
Amortization method	Level Percent of Pay, Closed	Level Percent of Pay, Closed	Level Percent of Pay, Closed
Remaining amortization period	19 years beginning with fiscal year end 2016	20 years beginning with fiscal year end 2016	28 years
Asset valuation method	Market Value	Market Value	Market Value
Actuarial assumptions:			
Investment rate of return	6.50%	6.50%	7.00%
Discount rate	6.50%	6.50%	7.00%
Rate of salary increase	3.50% (plus merit scale)	3.50% (plus merit scale)	3.75% (plus merit scale)
Rate of medical inflation	5.90% (grading down to 3.90% in 2040, using the Society of Actuaries Getzen Medical Trend Model)	7.20% (grading down to 3.90% in 2040, using the Society of Actuaries Getzen Medical Trend Model)	8.00% (pre-Medicare) or 6.50% (post-Medicare), grading to 4.00% over 70 years

## SCHEDULE OF FUNDING PROGRESS

### Other Postemployment Benefits (OPEB) Program

(In millions)

Actuarial Valuation Date	Actuarial Value of Assets	Actuarial Accrued Liability (AAL)	Unfunded AAL (Funding Excess)	Funded Ratio*	Covered Payroll	UAAL as a Percentage of Covered Payroll*
9/30/2016	\$ 1,248	\$ 1,116	\$ (132)	111.83%	\$ 1,771	(7.45%)
9/30/2015	1,202	1,001	(201)	120.08%	1,607	(12.51%)
9/30/2014	1,037	1,188	151	87.29%	1,484	10.18%
9/30/2013	898	1,048	150	85.69%	1,441	10.41%
9/30/2012	693	920	227	75.33%	1,399	16.23%

\* The ratios may be different from the ratios in Note 10 due to rounding

## SCHEDULE OF EMPLOYER CONTRIBUTIONS

### Other Postemployment Benefits (OPEB) Program

Last Three Fiscal Years

(\$000s)

	FY 2017	FY 2016	FY 2015
Annual required contribution	\$ 31,000	\$ 29,000	\$ 91,400
Interest on net OPEB obligation	700	700	700
Adjustment to annual required contribution	(700)	(10,706)	(700)
Annual OPEB cost (expense)	31,000	18,994	91,400
Contributions made	31,000	29,000	91,400
Change in net OPEB asset (obligation)	-	10,006	-
Net OPEB asset (obligation) – beginning of year	-	(10,006)	(10,006)
Net OPEB asset (obligation) – end of year*	\$ -	\$ -	\$ (10,006)

\* No net OPEB obligations in fiscal years 2016 and 2017 because OPEB was overfunded per the actuarial report for those years.