

## Required Supplementary Information

### Consists of the following:

- Schedule of Changes in Net Pension Liability and Related Ratios
- Schedule of Pension Plan Contributions
- Schedule of Changes in Total OPEB Liability and Related Ratios

**CITY OF RIVERSIDE  
MISCELLANEOUS PLAN  
SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS  
AS OF JUNE 30, FOR THE LAST TEN FISCAL YEARS (1)  
(amounts expressed in thousands)**

	2014	2015	2016	2017	2018	2019	2020	2021
<b>Total Pension Liability</b>								
Service cost	\$ 23,320	\$ 22,228	\$ 22,189	\$ 24,766	\$ 25,117	\$ 25,017	\$ 25,919	\$ 26,168
Interest on total pension liability	84,965	87,436	90,913	92,725	92,595	96,836	101,080	105,017
Differences between expected and actual experience	-	(21,782)	-	79,037	(37,885)	6,927	6,220	873
Changes in assumptions	-	(23,548)	(8,417)	(26,068)	(19,805)	-	-	-
Benefit payments, including refunds of employee contributions	(50,770)	(53,853)	(57,702)	(60,108)	(63,483)	(67,073)	(71,266)	(74,608)
<b>Net change in total pension liability</b>	<b>57,515</b>	<b>10,481</b>	<b>46,983</b>	<b>110,352</b>	<b>(3,461)</b>	<b>61,707</b>	<b>61,953</b>	<b>57,450</b>
<b>Total pension liability - beginning</b>	<b>1,146,583</b>	<b>1,204,098</b>	<b>1,214,579</b>	<b>1,261,562</b>	<b>1,371,914</b>	<b>1,368,453</b>	<b>1,430,160</b>	<b>1,492,113</b>
<b>Total pension liability - ending (a)</b>	<b>\$ 1,204,098</b>	<b>\$ 1,214,579</b>	<b>\$ 1,261,562</b>	<b>\$ 1,371,914</b>	<b>\$ 1,368,453</b>	<b>\$ 1,430,160</b>	<b>\$ 1,492,113</b>	<b>\$ 1,549,563</b>
<b>Plan Fiduciary Net Position</b>								
Net Plan to Plan Resource Movement	-	-	-	-	-	-	-	(1)
Contributions - employer	\$ 27,583	\$ 25,996	\$ 29,426	\$ 30,477	\$ 29,920	\$ 34,627	\$ 239,156	\$ 26,274
Contributions - employees	2,294	4,380	5,187	6,115	9,749	10,286	10,957	10,358
Net investment income	145,843	21,671	4,958	104,771	86,307	71,046	56,837	305,548
Benefit payments, including refunds of employee contributions	(50,770)	(53,853)	(57,702)	(60,108)	(63,483)	(67,073)	(71,266)	(74,608)
Administrative and other income/(expenses)	-	(1,056)	(594)	(1,290)	(4,664)	(776)	(1,604)	(1,371)
<b>Net change in fiduciary net position</b>	<b>124,950</b>	<b>(2,862)</b>	<b>(18,725)</b>	<b>79,965</b>	<b>57,829</b>	<b>48,110</b>	<b>234,080</b>	<b>266,200</b>
<b>Plan fiduciary net position - beginning</b>	<b>848,699</b>	<b>973,649</b>	<b>970,787</b>	<b>952,062</b>	<b>1,032,027</b>	<b>1,089,856</b>	<b>1,137,966</b>	<b>1,372,046</b>
<b>Plan fiduciary net position - ending (b)</b>	<b>\$ 973,649</b>	<b>\$ 970,787</b>	<b>\$ 952,062</b>	<b>\$ 1,032,027</b>	<b>\$ 1,089,856</b>	<b>\$ 1,137,966</b>	<b>\$ 1,372,046</b>	<b>\$ 1,638,246</b>
<b>Plan net pension liability/(assets) - ending (a) - (b)</b>	<b>\$ 230,449</b>	<b>\$ 243,792</b>	<b>\$ 309,500</b>	<b>\$ 339,887</b>	<b>\$ 278,597</b>	<b>\$ 292,194</b>	<b>\$ 120,067</b>	<b>\$ (88,683)</b>
<b>Plan fiduciary net position as a percentage of the total pension liability</b>	<b>80.86 %</b>	<b>79.93 %</b>	<b>75.47 %</b>	<b>75.23 %</b>	<b>79.64 %</b>	<b>79.57 %</b>	<b>91.95 %</b>	<b>105.72 %</b>
<b>Covered payroll</b>	<b>\$ 109,990</b>	<b>\$ 110,891</b>	<b>\$ 118,512</b>	<b>\$ 117,637</b>	<b>\$ 121,957</b>	<b>\$ 128,881</b>	<b>\$ 131,492</b>	<b>\$ 131,216</b>
<b>Plan net pension liability/(asset) as a percentage of covered payroll</b>	<b>209.52 %</b>	<b>219.85 %</b>	<b>261.15 %</b>	<b>288.93 %</b>	<b>228.44 %</b>	<b>226.72 %</b>	<b>91.31 %</b>	<b>(67.59)%</b>

(1) Historical information is required only for measurement for which GASB 68 is applicable. Fiscal Year 2015 was the first year of implementation. Future years' information will be displayed up to 10 years as information becomes available.

(2) Net of administrative expenses.

**Notes to Schedule:**

Benefit Changes: There was no changes in benefits.

Changes of Assumptions:

In fiscal year 2016-17, the discount rate was changed from 7.65 percent (net of administrative expense) to 7.15 percent.

In fiscal year 2017-18, demographic assumptions and inflation rate were changed in accordance to the CalPERS Experience Study and Review of Actuarial Assumptions December 2017. There were no changes in the discount rate.

**CITY OF RIVERSIDE  
SAFETY PLAN  
SCHEDULE OF CHANGES IN NET PENSION LIABILITY AND RELATED RATIOS  
AS OF JUNE 30, FOR THE LAST TEN FISCAL YEARS (1)  
(amounts expressed in thousands)**

	2014	2015	2016	2017	2018	2019	2020	2021
<b>Total Pension Liability</b>								
Service cost	\$ 18,818	\$ 18,187	\$ 18,144	\$ 21,373	\$ 20,390	\$ 21,454	\$ 22,391	\$ 23,160
Interest on total pension liability	62,249	64,815	67,513	70,337	73,104	76,922	80,940	84,654
Differences between expected and actual experience	-	(16,117)	-	59,768	(4,644)	10,897	11,896	6,361
Changes in assumptions	-	(6,835)	(4,373)	(18)	868	-	-	-
Benefit payments, including refunds of employee contributions	(38,981)	(42,076)	(44,609)	(47,009)	(50,477)	(52,564)	(56,537)	(59,739)
<b>Net change in total pension liability</b>	<b>42,086</b>	<b>17,974</b>	<b>36,675</b>	<b>104,451</b>	<b>39,241</b>	<b>56,709</b>	<b>58,690</b>	<b>54,436</b>
<b>Total pension liability - beginning</b>	<b>840,067</b>	<b>882,153</b>	<b>900,127</b>	<b>936,802</b>	<b>1,041,253</b>	<b>1,080,494</b>	<b>1,137,203</b>	<b>1,195,893</b>
<b>Total pension liability - ending (a)</b>	<b>\$ 882,153</b>	<b>\$ 900,127</b>	<b>\$ 936,802</b>	<b>\$ 1,041,253</b>	<b>\$ 1,080,494</b>	<b>\$ 1,137,203</b>	<b>\$ 1,195,893</b>	<b>\$ 1,250,329</b>
<b>Plan Fiduciary Net Position</b>								
Net Plan to Plan Resource Movement	-	-	-	-	-	-	-	1
Contributions - employer	\$ 23,156	\$ 23,384	\$ 26,483	\$ 26,775	\$ 25,451	\$ 29,254	\$ 263,061	\$ 22,931
Contributions - employees	365	924	1,837	2,449	6,402	7,679	9,454	10,492
Net investment income	107,032	15,632	3,478	76,844	62,933	51,750	41,765	242,945
Benefit payments, including refunds of employee contributions	(38,981)	(42,076)	(44,609)	(47,009)	(50,478)	(52,564)	(56,537)	(59,739)
Administrative and other income/(expenses)	-	(816)	(428)	(1,145)	(3,403)	(567)	(1,170)	(1,085)
<b>Net change in fiduciary net position</b>	<b>91,572</b>	<b>(2,952)</b>	<b>(13,239)</b>	<b>57,914</b>	<b>40,905</b>	<b>35,552</b>	<b>256,573</b>	<b>215,545</b>
<b>Plan fiduciary net position - beginning</b>	<b>620,069</b>	<b>711,641</b>	<b>708,689</b>	<b>695,450</b>	<b>753,364</b>	<b>794,269</b>	<b>829,821</b>	<b>1,086,394</b>
<b>Plan fiduciary net position - ending (b)</b>	<b>\$ 711,641</b>	<b>\$ 708,689</b>	<b>\$ 695,450</b>	<b>\$ 753,364</b>	<b>\$ 794,269</b>	<b>\$ 829,821</b>	<b>\$ 1,086,394</b>	<b>\$ 1,301,939</b>
<b>Plan net pension liability/(assets) - ending (a) - (b)</b>	<b>\$ 170,512</b>	<b>\$ 191,438</b>	<b>\$ 241,352</b>	<b>\$ 287,889</b>	<b>\$ 286,225</b>	<b>\$ 307,382</b>	<b>\$ 109,499</b>	<b>\$ (51,610)</b>
<b>Plan fiduciary net position as a percentage of the total pension liability</b>	<b>80.67 %</b>	<b>78.73 %</b>	<b>74.24 %</b>	<b>72.35 %</b>	<b>73.51 %</b>	<b>72.97 %</b>	<b>90.84 %</b>	<b>104.13 %</b>
<b>Covered payroll</b>	<b>\$ 63,734</b>	<b>\$ 63,612</b>	<b>\$ 68,707</b>	<b>\$ 66,226</b>	<b>\$ 68,251</b>	<b>\$ 73,237</b>	<b>\$ 76,955</b>	<b>\$ 78,813</b>
<b>Plan net pension liability/(asset) as a percentage of covered payroll</b>	<b>267.54 %</b>	<b>300.95 %</b>	<b>351.28 %</b>	<b>434.71 %</b>	<b>419.37 %</b>	<b>419.71 %</b>	<b>142.29 %</b>	<b>(65.48)%</b>

(1) Historical information is required only for measurement for which GASB 68 is applicable. Fiscal year 2015 was the first year of implementation. Future years' information will be displayed up to 10 years as information becomes available.

(2) Net of administrative expenses.

**Notes to Schedule:**

Benefit Changes: There was no changes in benefits.

Changes of Assumptions:

In fiscal year 2016-17, the discount rate was changed from 7.65 percent (net of administrative expense) to 7.15 percent.

In fiscal year 2017-18, demographic assumptions and inflation rate were changed in accordance to the CalPERS Experience Study and Review of Actuarial Assumptions December 2017. There were no changes in the discount rate.

**CITY OF RIVERSIDE  
SCHEDULE OF PENSION PLAN CONTRIBUTIONS  
AS OF JUNE 30, FOR THE LAST TEN FISCAL YEARS (1)  
(amounts expressed in thousands)**

	2014	2015	2016	2017	2018	2019	2020	2021	2022
<b>Miscellaneous Plan</b>									
Actuarially determined contribution	\$ 20,505	\$ 21,063	\$ 24,885	\$ 26,955	\$ 29,948	\$ 34,486	\$ 38,889	\$ 26,274	\$ 27,330
Contribution in relation to the actuarially determined contribution	(27,584)	(25,997)	(29,426)	(30,477)	(29,948)	(34,486)	(239,220)	(26,274)	(27,330)
Contribution deficiency/(excess)	<u>\$ (7,079)</u>	<u>\$ (4,934)</u>	<u>\$ (4,541)</u>	<u>\$ (3,522)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (200,331)</u>	<u>\$ -</u>	<u>\$ -</u>
Covered payroll	\$ 109,990	\$ 110,891	\$ 118,512	\$ 117,637	\$ 121,957	\$ 128,881	\$ 131,492	\$ 131,216	\$ 130,060
Contributions as a percentage of covered payroll	25.08 %	23.44 %	24.83 %	25.91 %	24.56 %	26.76 %	181.93 %	20.02 %	21.01 %
<b>Safety Plan</b>									
Actuarially determined contribution	\$ 17,341	\$ 18,452	\$ 21,886	\$ 23,076	\$ 25,289	\$ 29,047	\$ 32,785	\$ 22,925	\$ 24,773
Contribution in relation to the actuarially determined contribution	(23,156)	(23,384)	(26,483)	(26,775)	(25,289)	(29,047)	(263,016)	(22,925)	(24,773)
Contribution deficiency/(excess)	<u>\$ (5,815)</u>	<u>\$ (4,932)</u>	<u>\$ (4,597)</u>	<u>\$ (3,699)</u>	<u>\$ -</u>	<u>\$ -</u>	<u>\$ (230,231)</u>	<u>\$ -</u>	<u>\$ -</u>
Covered payroll	\$ 63,734	\$ 63,612	\$ 68,707	\$ 66,226	\$ 68,251	\$ 73,237	\$ 76,955	\$ 78,813	\$ 77,338
Contributions as a percentage of covered payroll	36.33 %	36.76 %	38.54 %	40.43 %	37.05 %	39.66 %	341.78 %	29.09 %	32.03 %

(1) Historical information is required only for measurement for which GASB 68 is applicable. Fiscal Year 2015 was the first year of implementation.

Notes to Schedule:

Actuarial valuation date: June 30, 2019  
Actuarial cost method: Entry Age Normal

	Source					
	(Gain)/Loss		Assumption/ Method Change	Benefit Change	Golden Handshake	
Driver	Investment	Non- Investment				
Amortization of unfunded actuarial accrued liability:	Amortization period	30 Years	30 Years	20 Years	20 Years	5 Years
	Escalation rate					
	- Active plans	2.75%	2.75%	2.75%	2.75%	2.75%
	- Inactive plans	0%	0%	0%	0%	0%
	Ramp up	5	5	5	0	0
	Ramp down	5	5	5	0	0

Asset valuation method: Fair value of assets  
Discount rate: 7.0%  
Overall payroll growth: 2.75%  
Inflation: 2.5%  
Retirement age: 2019 CalPERS experience study  
Mortality: 2019 CalPERS Experience Study, with ongoing improvement using 90 percent of Scale MP-2016

**CITY OF RIVERSIDE  
SCHEDULE OF CHANGES IN TOTAL OPEB LIABILITY AND RELATED RATIOS  
AS OF JUNE 30, FOR THE LAST TEN FISCAL YEARS (1)  
(amounts expressed in thousands)**

Reporting period June 30, Measurement period June 30,	2018	2019	2020	2021	2022
	2017	2018	2019	2020	2021
<b>Total OPEB liability</b>					
Service cost	\$ 2,554	\$ 2,403	\$ 2,435	\$ 2,569	\$ 2,646
Interest on the total OPEB liability	1,090	1,301	1,392	1,810	1,394
Differences between expected and actual experience	-	-	292	(2,300)	(2,267)
Changes in assumptions	(1,668)	(306)	9,550	2,225	(3,086)
Benefit payments	(1,732)	(1,846)	(2,003)	(2,032)	(2,193)
<b>Net change in total OPEB liability</b>	<b>244</b>	<b>1,552</b>	<b>11,666</b>	<b>2,272</b>	<b>(3,506)</b>
<b>Total OPEB liability - beginning</b>	<b>36,542</b>	<b>36,786</b>	<b>38,338</b>	<b>50,004</b>	<b>52,276</b>
<b>Total OPEB liability - ending</b>	<b>\$ 36,786</b>	<b>\$ 38,338</b>	<b>\$ 50,004</b>	<b>\$ 52,276</b>	<b>\$ 48,770</b>
Covered payroll	\$ 170,858	\$ 170,858	\$ 185,967	\$ 191,546	\$ 197,292
Total OPEB liability as a percentage of covered-employee payroll	21.53 %	22.44 %	26.89 %	27.29 %	24.72 %

(1) Historical information is required only for the measurement periods for which GASB 75 is applicable. Fiscal Year 2018 was the first year of implementation. Future years' information will be displayed up to 10 years as information becomes available.

Notes to Schedule:

Changes in assumptions: For the measurement period ending June 30, 2021, the discount rate was changed from 2.66 percent to 2.16 percent.

There are no asset accumulated in a trust that meets the criteria of GASB codification P22.101 or P52.101 to pay related benefits for the OPEB plan.