September 30, 2021 Richmond Retirement System 3Q 2021 Alternatives

### **Investment Manager Returns**

The table below details the rates of return for the Fund's investment managers over various time periods ended September 30, 2021. Negative returns are shown in red, positive returns in black. Returns for one year or greater are annualized. The first set of returns for each asset class represents the composite returns for all the fund's accounts for that asset class.

Returns for Periods Ended September 30, 2021						
	Last Quarter	Last Year	Last 3 Years	Last 5 Years		
Private Real Estate JP Morgan Strategic Property Orion Euro RE IV Principal Core RE Fund PRISA II	<b>5.99%</b> 6.44% 1.91% 4.96% 7.69%	<b>12.35%</b> 12.79% 3.05% - -	<b>4.79%</b> 5.37% (17.42%) -	<b>5.61%</b> 5.88% (9.09%) -		
<b>REITs</b> CenterSquare	53.40%	107.69%	28.24%	17.58%		

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### JP Morgan Strategic Property Real Estate Investment Portfolio Quarterly Changes in Market Value

	Beg. of	Capital						End of
	Period	+ Contri-	- Mgmt.	+	Appre-	- Distri-	=	Period
	Market	butions	Fees		<u>ciation</u>	butions		<u>Market</u>
12/2010	0	7,500,000						7,686,708
03/2011	7,686,708	7,500,000						15,633,322
06/2011	15,633,322	0						16,459,035
09/2011	16,459,035	0						16,955,609
12/2011	16,955,609	0						17,430,487
03/2012	17,430,487	0						17,861,271
06/2012	17,861,271	0						18,259,656
09/2012	18,259,656	0						18,874,294
12/2012	18,874,294	0						19,352,871
03/2013	19,352,871	0						19,961,048
06/2013	19,961,048	0						20,680,552
09/2013	20,680,552	0						21,484,499
12/2013	21,484,499	0						22,214,760
03/2014	22,214,760	0						22,685,373
06/2014	22,685,373	0						23,364,377
09/2014	23,364,377	0						23,856,939
12/2014	23,856,939	0						24,450,049
03/2015	24,450,049	0						23,537,547
06/2015	23,537,547	0						24,345,673
09/2015	24,345,673	0						25,112,107
12/2015	25,112,107	0						25,896,673
03/2016	25,896,673	0						26,319,991
06/2016	26,319,991	0						26,786,080
09/2016	26,786,080	0						27,271,641
12/2016	27,271,641	0						25,238,116
03/2017	25,238,116	0						25,652,855
06/2017	25,652,855	0						25,798,741
09/2017	25,798,741	0						25,983,025
12/2017	25,983,025	0						26,179,943
03/2018	26,179,943	0						26,477,958
06/2018	26,477,958	0						26,729,345
09/2018	26,729,345	0						26,939,282
12/2018	26,939,282	0						27,193,565
03/2019	27,193,565	0						27,052,978
06/2019	27,052,978	0						27,111,988
09/2019	27,111,988	0						26,978,224
12/2019	26,978,224	0						27,357,712
03/2020	27,357,712	0						27,514,753
06/2020	27,514,753	0						26,335,208
09/2020	26,335,208	0						25,940,455
12/2020	25,940,455	0						25,999,787
03/2021	25,999,787	0						23,239,896
06/2021	23,239,896	0						22,879,546
09/2021	22,879,546	0						24,208,964
	0	15,000,000		I				24,208,964



JP Morgan Strategic Property Real Estate Investment Portfolio Quarterly Changes in Market Value

Net Portfolio Cumulative IRR = 9.71%

# Callan

#### Orion Euro RE IV Real Estate Investment Portfolio Quarterly Changes in Market Value

	Beg. of	Capital			End of
	Period	Contri-			Period
	<u>Market</u>	butions			Market
03/2014	0	112,832			112,832
06/2014	112,832	182,338	_		180,247
09/2014	180,247	310,527			499,285
12/2014	499,285	1,017,495			1,419,950
03/2015	1,419,950	131,917		_	1,572,598
06/2015	1,572,598	228,373			1,657,877
09/2015	1,657,877	0			1,660,085
12/2015	1,660,085	0			1,118,689
03/2016	1,118,689	0			1,083,133
06/2016	1,083,133	59,161			945,896
09/2016	945,896	0			1,303,365
12/2016	1,303,365	38,782			1,192,953
03/2017	1,192,953	174,589			1,289,503
06/2017	1,289,503	110,027			1,353,447
09/2017	1,353,447	0			1,097,802
12/2017	1,097,802	0			1,182,811
03/2018	1,182,811	302,992			1,497,368
06/2018	1,497,368	0			1,517,253
09/2018	1,517,253	0			1,279,052
12/2018	1,279,052	58,027			1,058,351
03/2019	1,058,351	233,996			1,244,794
06/2019	1,244,794	0			1,211,580
09/2019	1,211,580	0			1,164,829
12/2019	1,164,829	0			1,085,579
03/2020	1,085,579	34,275			894,845
06/2020	894,845	314,990			1,186,786
09/2020	1,186,786	89,345			1,187,269
12/2020	1,187,269	133,503			1,344,840
03/2021	1,344,840	198,949			1,483,299
06/2021	1,483,299	0			1,507,896
09/2021	1,507,896	0			1,522,487

0

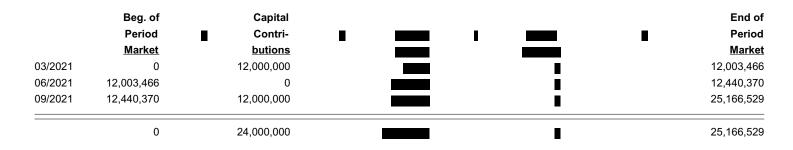
3,732,119

1,522,487

Net Portfolio Cumulative IRR = -4.73%

Committed Capital = \$2,931,777

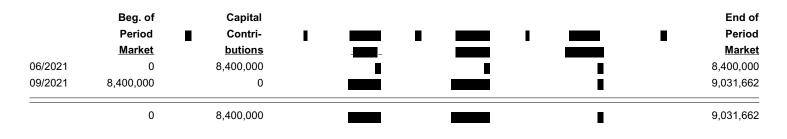
### Principal Real Estate Investment Portfolio Quarterly Changes in Market Value



Net Portfolio Cumulative IRR = 13.59%



### PRISA II Private Equity Investment Portfolio Quarterly Changes in Market Value



Net Portfolio Cumulative IRR = 15.51%



