

CITY OF RICHMOND 457B DEFERRED

Screens Summary (Data as of 09-30-2019)

Fund Removed from Approved List
 Fund on Watch List

Name	Ticker	Asset Class	Trailing Performance and Risk				Management			Style		Expense				
			1 Yr	3 Yr	5 Yr	10 Yr	Pass/ Fail	Std Dev 3 Yr %	Beta 3 Yr %	Tenure	Pass/ Fail	Style Box	Pass/ Fail	Exp Ratio	Pass/ Fail	
US Stock																
DFA US Core Equity 1 I <i>percentile rank</i> <i># of funds in category</i>	DFEOX	Large Blend	0.21 78 1,431	12.00 53 1,231	9.53 47 1,092	12.82 27 834		13.63	1.10	7.59				0.19		
Vanguard FTSE Social Index Admiral <i>percentile rank</i> <i># of funds in category</i>	VFTAX	Large Blend Index	-	-	-	-		-	-	3.78				-	-	
American Funds Growth Fund of Amer R6 <i>percentile rank</i> <i># of funds in category</i>	RGAGX	Large Growth	-1.93 84 1,390	13.10 71 1,254	10.97 55 1,121	12.76 62 831		13.03	0.95	25.93				0.32		
State St Russell Lg Cp Val® Indx NL CI C <i>percentile rank</i> <i># of funds in category</i>		Large Value	4.01 34 1,220	9.44 54 1,093	7.81 40 947	11.46 30 701		12.33	1.00	20.69				-	-	
ClearBridge Mid Cap Growth IS <i>percentile rank</i> <i># of funds in category</i>	LCMIX	Mid-Cap Growth	3.08 43 603	13.15 52 544	9.39 64 487	- - 375		15.52	1.06	9.09				0.76		
Vanguard Mid-Cap Value Index Admiral <i>percentile rank</i> <i># of funds in category</i>	VMVAX	Mid-Cap Value	2.30 21 418	8.83 21 366	8.37 16 324	- - 226		13.75	1.02	13.13				0.07		
State St Russell Sm Cap® Gr Indx NL CI C <i>percentile rank</i> <i># of funds in category</i>		Small Growth	-9.68 64 664	9.72 67 585	8.99 63 521	12.14 58 401		17.45	1.00	10.16				-	-	
State St Russell Sm Cp® Val Indx NL CI C <i>percentile rank</i> <i># of funds in category</i>		Small Value	-8.26 40 420	6.56 22 384	7.13 21 341	10.01 41 235		17.64	1.00	10.16				-	-	
Non-US Stock																
Invesco Oppenheimer Developing Mkts R6 <i>percentile rank</i> <i># of funds in category</i>	ODVIX	Diversified Emerging Mkts	2.65 26 838	8.05 11 701	2.83 29 569	- - 244		13.47	0.93	12.42				0.87		
American Funds Europacific Growth R6 <i>percentile rank</i> <i># of funds in category</i>	REGGX	Foreign Large Blend	1.14 41 467	7.38 39 396	5.02 44 340	6.07 56 250		12.26	1.05	18.34				0.49		
Vanguard International Growth Adm <i>percentile rank</i> <i># of funds in category</i>	VWILX	Foreign Large Growth	-1.93 75 467	10.34 10 396	7.20 15 340	7.84 13 250		15.50	1.28	16.66				0.32		
DFA International Value I <i>percentile rank</i> <i># of funds in category</i>	DFIVX	Foreign Large Value	-8.41 85 344	5.46 25 297	1.41 39 249	3.35 58 162		13.50	1.15	9.59				0.43		
American Funds New Perspective R6 <i>percentile rank</i> <i># of funds in category</i>	RNPGX	World Stock	2.88 36 870	12.38 14 733	9.72 11 604	10.67 9 375		11.98	0.97	18.84				0.44		

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Alternative																
PIMCO Commodity Real Ret Strat Instl <i>percentile rank</i> <i># of funds in category</i>	PCRIX	Commodities Broad Basket	-6.95 34 131	-1.43 51 106	-7.32 55 91	-2.83 8 34	✔	8.88	1.09	11.76	✔	—	—	1.46	✔	
Vanguard Real Estate Index Admiral <i>percentile rank</i> <i># of funds in category</i>	VGSLX	Real Estate	19.89 28 262	7.06 50 226	9.94 36 201	12.89 35 137	✔	12.87	0.98	23.40	✔	—	✔	0.11	✔	
Fixed Income																
PIMCO High Yield Instl <i>percentile rank</i> <i># of funds in category</i>	PHIYX	High Yield Bond	7.49 14 709	5.78 24 611	5.38 10 530	7.41 22 342	✔	4.20	0.98	9.73	✔	—	—	0.59	✔	
BlackRock Inflation Protected Bond K <i>percentile rank</i> <i># of funds in category</i>	BPLBX	Inflation- Protected Bond	6.15 46 225	1.91 51 194	1.91 44 165	3.13 43 108	✔	3.14	0.95	2.62	✖	—	—	0.45	✔	
Baird Aggregate Bond Instl <i>percentile rank</i> <i># of funds in category</i>	BAGIX	Intermediate- Term Bond	10.69 8 403	3.31 11 356	3.73 6 312	4.72 5 238	✔	3.30	0.98	19.01	✔	☒	—	0.30	✔	
PIMCO Income Instl <i>percentile rank</i> <i># of funds in category</i>	PIMIX	Multisector Bond	6.16 58 326	5.29 15 293	5.12 9 238	8.88 1 122	✔	1.90	0.20	12.51	✔	—	—	1.05	✔	
Federated Government Ultrashrt Dur R6 <i>percentile rank</i> <i># of funds in category</i>	FGULX	Ultrashort Bond	2.35 83 198	1.61 79 154	— — 133	— — 61	✔	0.27	0.02	22.24	✔	—	—	0.24	✔	
Templeton Global Bond R6 <i>percentile rank</i> <i># of funds in category</i>	FBNRX	World Bond	1.16 83 308	3.99 28 279	0.94 81 213	— — 76	✔	6.85	-0.81	17.76	✔	—	—	0.49	✔	
Target Date																
Vanguard Target Retirement 2020 Inv <i>percentile rank</i> <i># of funds in category</i>	VTWXX	Target Date	5.29 38 246	7.08 17 205	5.97 5 158	7.96 9 99	✔	6.10	1.04	6.61	✔	—	✔	0.13	✔	
Vanguard Target Retirement 2025 Inv <i>percentile rank</i> <i># of funds in category</i>	VTTVX	Target Date	4.89 39 232	7.77 18 191	6.39 8 147	8.48 11 81	✔	7.13	1.06	6.61	✔	—	✔	0.13	✔	
Vanguard Target Retirement 2030 Inv <i>percentile rank</i> <i># of funds in category</i>	VTHRXX	Target Date	4.15 44 241	8.29 31 201	6.67 21 154	8.92 16 95	✔	7.98	1.02	6.61	✔	—	✔	0.14	✔	
Vanguard Target Retirement 2035 Inv <i>percentile rank</i> <i># of funds in category</i>	VTTXX	Target Date	3.37 46 229	8.78 32 188	6.92 27 144	9.35 15 78	✔	8.83	0.98	6.61	✔	—	✔	0.14	✔	

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Vanguard Target Retirement 2040 Inv <i>percentile rank</i> <i># of funds in category</i>	VFORX	Target Date	2.63 46 241	9.28 24 201	7.15 26 154	9.61 16 95	✔	9.71	0.98	6.61	✔	—	✔	0.14	✔
Vanguard Target Retirement 2045 Inv <i>percentile rank</i> <i># of funds in category</i>	VTIVX	Target Date	2.06 52 229	9.41 28 188	7.23 26 144	9.66 18 77	✔	10.32	1.00	6.61	✔	—	✔	0.15	✔
Vanguard Target Retirement 2050 Inv <i>percentile rank</i> <i># of funds in category</i>	VFIFX	Target Date	2.07 45 241	9.42 35 201	7.24 27 154	9.65 20 77	✔	10.34	0.99	6.61	✔	—	✔	0.15	✔
Vanguard Target Retirement 2055 Inv <i>percentile rank</i> <i># of funds in category</i>	VFFVX	Target Date	2.09 43 229	9.41 37 186	7.21 31 138	— — 13	✔	10.31	0.98	6.61	✔	—	✔	0.15	✔
Vanguard Target Retirement 2060 Inv <i>percentile rank</i> <i># of funds in category</i>	VTTSX	Target Date	2.07 44 216	9.41 48 133	7.20 60 30	— — —	✔	10.33	0.98	6.61	✔	—	✔	0.15	✔
Vanguard Target Retirement 2065 Inv <i>percentile rank</i> <i># of funds in category</i>	VLVX	Target Date	2.09 41 216	— — 133	— — 30	— — —	—	—	—	2.22	✖	—	✔	0.15	✔
Vanguard Target Retirement Income Inv <i>percentile rank</i> <i># of funds in category</i>	VTINX	Target Date	6.75 21 191	5.10 39 160	4.57 23 127	5.76 34 95	✔	3.72	0.86	6.61	✔	—	✔	0.12	✔
Balanced															
Vanguard LifeStrategy Cnsvr Gr Inv <i>percentile rank</i> <i># of funds in category</i>	VSCGX	Target Risk	7.04 17 561	6.07 22 498	5.43 14 402	6.53 29 267	✔	4.75	1.00	25.02	✔	—	✔	0.12	✔
Vanguard LifeStrategy Growth Inv <i>percentile rank</i> <i># of funds in category</i>	VASGX	Target Risk	3.10 24 339	8.75 24 311	6.93 22 279	9.05 26 198	✔	9.17	1.01	25.02	✔	—	✔	0.14	✔
Vanguard LifeStrategy Income Inv <i>percentile rank</i> <i># of funds in category</i>	VASIX	Target Risk	8.89 5 195	4.66 19 179	4.57 10 151	5.17 42 87	✔	3.16	0.34	25.02	✔	—	✔	0.11	✔
Vanguard LifeStrategy Moderate Gr Inv <i>percentile rank</i> <i># of funds in category</i>	VSMGX	Target Risk	5.09 28 716	7.44 40 659	6.23 33 582	7.88 46 427	✔	6.88	1.01	25.02	✔	—	✔	0.13	✔