

MassMutual@WORK

Your Plan Review

MassMutual @work for you

Washoe County Deferred Compensation Plan

Current Period: July 1, 2017 – September 30, 2017

Prior Period: April 1, 2017 – June 30, 2017

Executive Summary

Plan Statistics			
	6/30/2017	9/30/2017	Plan Trend
Total Plan Assets	\$150,049,844	\$154,952,099	▲ 3%
Total Outstanding Loan Balances	\$2,267,568	\$2,463,225	▲ 9%
Participant Contributions			
Participant	\$2,530,160	\$2,436,901	▼ 4%
Rollover	\$160,138	\$306,144	▲ 91%
Transferred Assets	\$0	\$7,662	▲ 100%
Distributions			
Withdrawals	(\$635,173)	(\$602,302)	▼ 5%
Terminations	(\$2,305,899)	(\$940,832)	▼ 59%
Loans	(\$314,144)	(\$523,618)	▲ 67%
Expenses*	(\$2,720)	(\$5,360)	▲ 97%
Investment Income	\$3,172,645	\$4,205,716	▲ 33%

Notes Terminations = termination and retirement

Withdrawals = In-service withdrawal, death benefits, minimum distribution, installment payment, loan default

*The expenses shown reflect expenses deducted from plan assets. Expenses billed directly to the plan sponsor or expenses related to the expense ratio of investments under the plan are not reflected.

The Contribution data displays the combined dollar value of Contributions & Loan Repayments, if applicable.

Executive Summary

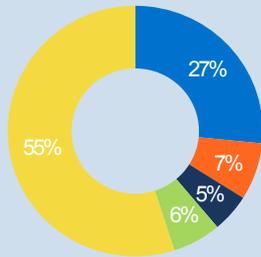
Participant Activity			
	6/30/2017	9/30/2017	Plan Trend
Total Participants	2,229	2,248	▲ 0%
Average Account Balance	\$67,317	\$68,929	▲ 2%
Average Number of Investments	6.6	6.6	◀ ▶ 0%
Number of Outstanding Loans	261	270	▲ 3%
Percent of Participants With a Loan	12%	12%	◀ ▶ 0%
Average Loan Balance	\$8,688	\$9,123	▲ 5%
Total Calls to 800#	21	29	▲ 38%
Total Visits to Website	4,470	4,279	▼ 4%

Notes

Participant Diversification

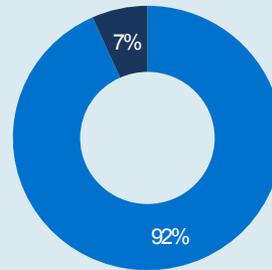
July 01, 2017 through September 30, 2017

Number of options held by participants



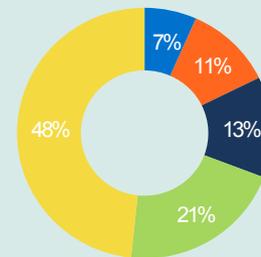
- 1
- 2
- 3
- 4
- 5+

Percentage of participants in one option by asset category group



- Stable Value
- Large Cap Equity
- Small Cap Equity
- Fixed Income
- Mid Cap Equity
- Intl/Global Equity

Percentage of participants in one option in most utilized asset category group by age



- Under Age 30
- Age 30 - 39
- Age 40 - 49
- Age 50 - 59
- Age 60 and over

	Period Ending 9/30/2015	Period Ending 9/30/2016	Period Ending 9/30/2017	Industry Average *
Average number of options	N/A	6.6	6.6	5.4
Number of participants in one option	N/A	571	597	N/A

*Source: Hewitt Associates 2016 Universe Benchmarks Report

457 Plan Balances by Investment

Asset Allocation

Investment Options	Balances as of 6/30/2017	Percentage*	Plan Activity July 01, 2017 through September 30, 2017					Investment Income	Balances as of 9/30/2017	Percentage*
			Contributions	Other Activity	Transfers	Distributions	Expenses**			
SF GIA 61971	\$67,820,247	45.20%	\$912,231	\$107,389	\$865,634	(\$798,312)	(\$1,582)	\$637,172	\$69,542,778	44.88%
Hartford Total Return Bond HLS Fund	\$3,607,391	2.40%	\$54,166	\$7,330	\$15,465	(\$29,516)	(\$72)	\$40,955	\$3,695,720	2.39%
PIMCO High Yield Fund	\$2,242,401	1.49%	\$37,877	\$3,631	\$22,596	(\$27,103)	(\$47)	\$43,449	\$2,322,803	1.50%
PIMCO Foreign Bond Fund	\$833,069	0.56%	\$24,963	\$1,528	(\$17,304)	(\$17,143)	(\$13)	\$11,414	\$836,515	0.54%
American Funds Balanced Fund	\$5,074,190	3.38%	\$91,331	\$15,556	(\$89,242)	(\$33,849)	(\$358)	\$186,086	\$5,243,713	3.38%
American Century Equity Income Fund	\$7,445,904	4.96%	\$118,320	\$24,038	(\$49,945)	(\$90,123)	(\$396)	\$262,027	\$7,709,826	4.98%
Wells Fargo Disciplined US Core	\$12,245,414	8.16%	\$129,498	\$33,328	(\$185,718)	(\$220,178)	(\$459)	\$597,854	\$12,599,739	8.13%
Vanguard Institutional Index Fund	\$9,874,096	6.58%	\$279,079	\$44,057	\$316,548	(\$213,268)	(\$726)	\$455,443	\$10,755,229	6.94%
American Funds Grth Fund of America	\$12,119,750	8.08%	\$158,168	\$29,171	(\$211,600)	(\$210,963)	(\$500)	\$617,566	\$12,501,592	8.07%
Hotchkis and Wiley Mid Cap Val Fd	\$3,572,753	2.38%	\$54,366	\$10,966	(\$332,416)	(\$38,080)	(\$106)	\$108,989	\$3,376,473	2.18%
Vanguard Mid Cap Index Fund	\$2,110,647	1.41%	\$79,510	\$5,553	\$80,224	(\$32,072)	(\$127)	\$74,745	\$2,318,482	1.50%
Hartford MidCap HLS Fund	\$7,855,689	5.24%	\$139,512	\$25,055	(\$42,018)	(\$111,765)	(\$356)	\$266,983	\$8,133,099	5.25%
AMG Managers Skyline Special Eq Fd	\$3,077,803	2.05%	\$42,723	\$10,286	(\$218,460)	(\$40,822)	(\$128)	\$163,809	\$3,035,210	1.96%
Vanguard Small Cap Index Fund	\$2,481,327	1.65%	\$78,037	\$10,168	(\$45,232)	(\$27,207)	(\$87)	\$112,373	\$2,609,379	1.68%
Hartford Small Company HLS Fund	\$2,278,515	1.52%	\$0	\$2	(\$2,289,440)	(\$10,256)	\$0	\$21,180	\$0	0.00%
Wells Fargo Small Company Growth Fd	\$0	0.00%	\$44,611	\$6,893	\$2,275,804	(\$29,178)	(\$55)	\$91,536	\$2,389,612	1.54%
Amer Funds EuroPacific Growth Fund	\$4,555,937	3.04%	\$82,254	\$22,396	(\$38,335)	(\$94,550)	(\$190)	\$310,641	\$4,838,153	3.12%
DFA Intl Small Cap Value Prtfl Fd	\$1,541,638	1.03%	\$39,219	\$3,769	(\$38,502)	(\$23,512)	(\$85)	\$115,150	\$1,637,677	1.06%

*Due to rounding, percentages may not total 100 percent.

**The expenses shown reflect expenses deducted from plan assets. Does not include expenses billed directly to the plan sponsor or expenses related to the expense ratio of investments under the plan.

61971-2 Washoe County Deferred Compensation Plan

For Advisor and Plan Sponsor use only. Not for use with Plan Participants.

RS-41492-01



457 Plan Balances by Investment

Asset Allocation

Investment Options	Balances as of 6/30/2017	Percentage*	Plan Activity July 01, 2017 through September 30, 2017					Investment Income	Balances as of 9/30/2017	Percentage*
			Contributions	Other Activity	Transfers	Distributions	Expenses**			
Lazard Emerging Markets Fund	\$1,313,073	0.88%	\$37,467	\$4,202	(\$18,060)	(\$18,854)	(\$74)	\$88,344	\$1,406,099	0.91%
Total	\$150,049,845	100%	\$2,403,331	\$365,317	—	(\$2,066,752)	(\$5,360)	\$4,205,716	\$154,952,098	100%

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RS-41492-01



401(a) Plan Balances by Investment

Asset Allocation

Investment Options	Balances as of 6/30/2017	Percentage*	Plan Activity July 01, 2017 through September 30, 2017						Balances as of 9/30/2017	Percentage*
			Contributions	Other Activity	Transfers	Distributions	Expenses**	Investment Income		
SF GIA 61971	\$3,465,917	33.45%	\$38,337	\$23,541	(\$69,820)	(\$52,686)	(\$6)	\$32,051	\$3,437,333	31.75%
Hartford Total Return Bond HLS Fund	\$462,200	4.46%	\$6,282	\$509	(\$22,329)	(\$472)	(\$4)	\$5,096	\$451,283	4.17%
PIMCO High Yield Fund	\$171,705	1.66%	\$3,336	\$180	\$8,620	(\$301)	(\$6)	\$3,375	\$186,909	1.73%
PIMCO Foreign Bond Fund	\$105,586	1.02%	\$2,108	\$152	\$9,210	(\$301)	(\$6)	\$1,492	\$118,242	1.09%
American Funds Balanced Fund	\$425,310	4.10%	\$8,391	\$801	\$0	\$0	\$0	\$15,772	\$450,274	4.16%
American Century Equity Income Fund	\$757,368	7.31%	\$9,906	\$878	\$4,045	(\$300)	(\$6)	\$27,039	\$798,931	7.38%
Wells Fargo Disciplined US Core	\$813,156	7.85%	\$9,311	\$978	\$1,072	(\$301)	(\$6)	\$40,470	\$864,680	7.99%
Vanguard Institutional Index Fund	\$829,754	8.01%	\$23,773	\$2,743	\$60,897	(\$4,143)	(\$20)	\$38,920	\$951,925	8.79%
American Funds Grth Fund of America	\$665,465	6.42%	\$9,942	\$1,831	(\$27,804)	(\$2,858)	(\$6)	\$34,021	\$680,592	6.29%
Hotchkis and Wiley Mid Cap Val Fd	\$325,507	3.14%	\$5,051	\$1,287	(\$13,837)	(\$239)	(\$5)	\$10,624	\$328,387	3.03%
Vanguard Mid Cap Index Fund	\$199,751	1.93%	\$10,131	\$661	\$9,325	(\$420)	(\$9)	\$7,211	\$226,649	2.09%
Hartford MidCap HLS Fund	\$651,719	6.29%	\$8,258	\$640	\$7,471	(\$1,507)	(\$5)	\$22,637	\$689,215	6.37%
AMG Managers Skyline Special Eq Fd	\$319,917	3.09%	\$4,202	\$469	\$5,780	(\$2,453)	(\$6)	\$19,034	\$346,943	3.21%
Vanguard Small Cap Index Fund	\$191,752	1.85%	\$7,727	\$737	\$6,858	(\$419)	(\$9)	\$9,320	\$215,967	2.00%
Hartford Small Company HLS Fund	\$279,474	2.70%	\$447	\$60	(\$282,593)	\$0	\$0	\$2,613	\$0	0.00%
Wells Fargo Small Company Growth Fd	\$0	0.00%	\$3,749	\$369	\$287,703	(\$299)	(\$6)	\$11,820	\$303,337	2.80%
Amer Funds EuroPacific Growth Fund	\$391,480	3.78%	\$5,420	\$757	\$6,363	(\$1,708)	(\$9)	\$27,025	\$429,328	3.97%
DFA Intl Small Cap Value Prtfl Fd	\$163,280	1.58%	\$3,641	\$231	\$3,649	(\$359)	(\$7)	\$12,547	\$182,981	1.69%

*Due to rounding, percentages may not total 100 percent.

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61971-1 Washoe County 401(a) Plan

For Advisor and Plan Sponsor use only. Not for use with Plan Participants.

RS-41492-01



401(a) Plan Balances by Investment

Asset Allocation

Investment Options	Balances as of 6/30/2017	Percentage*	Plan Activity July 01, 2017 through September 30, 2017						Balances as of 9/30/2017	Percentage*
			Contributions	Other Activity	Transfers	Distributions	Expenses**	Investment Income		
Lazard Emerging Markets Fund	\$142,890	1.38%	\$3,656	\$244	\$5,391	(\$360)	(\$8)	\$9,762	\$161,575	1.49%
Total	\$10,362,231	100%	\$163,670	\$37,069	—	(\$69,124)	(\$125)	\$330,828	\$10,824,550	100%

*Due to rounding, percentages may not total 100 percent.

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61971-1 Washoe County 401(a) Plan

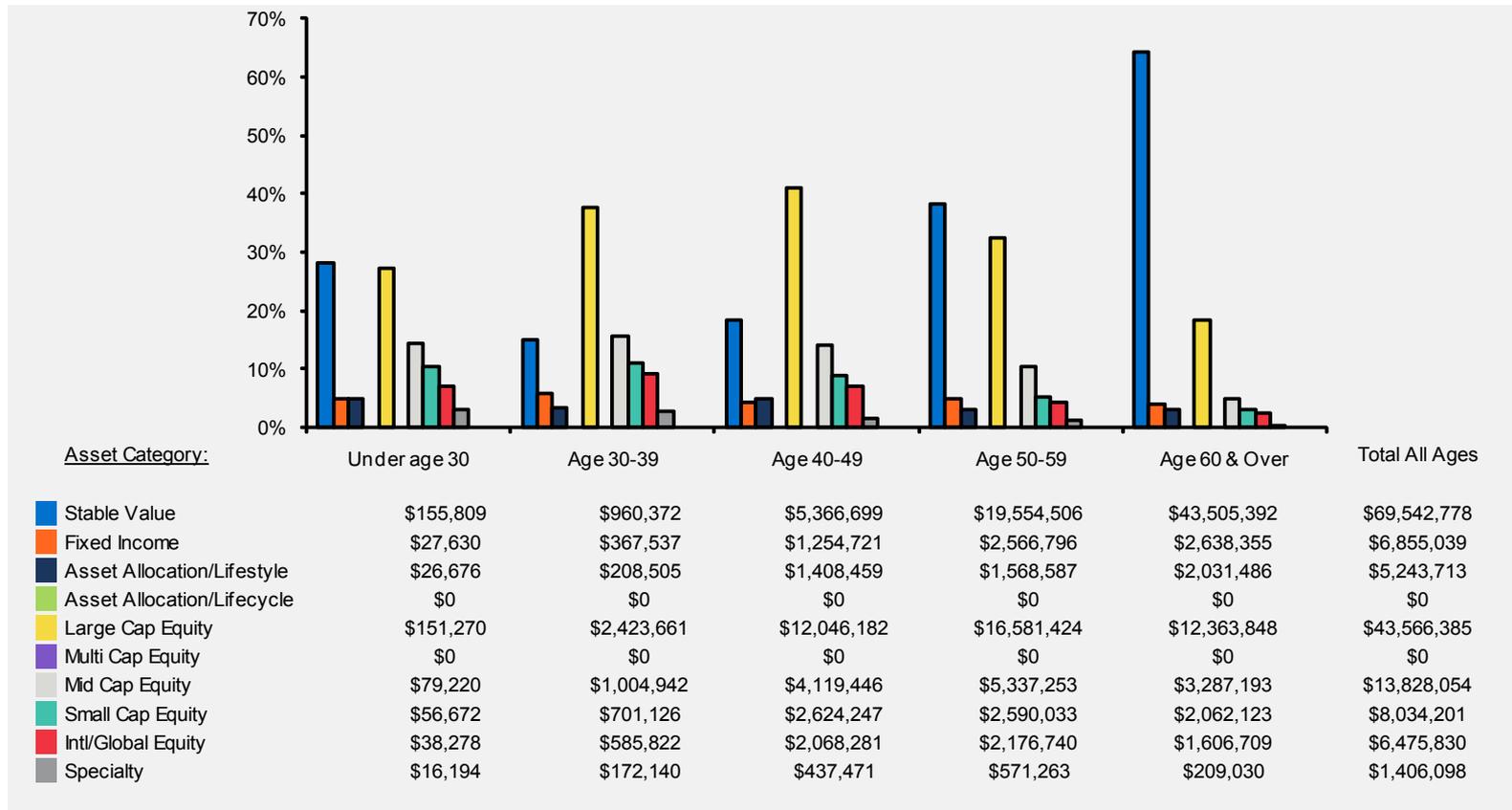
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RS-41492-01

Balances by Age

as of September 30, 2017

Age	Under age 30	Age 30-39	Age 40-49	Age 50-59	Age 60 and Over	Total
Number of Participants	104	364	594	588	598	2,248
Group Balance	\$551,749	\$6,424,104	\$29,325,506	\$50,946,602	\$67,704,137	\$154,952,098
Average Account Balance	\$5,305	\$17,649	\$49,370	\$86,644	\$113,218	\$68,929



Total Investment Balance

as of September 30, 2017

Participant Demographics

Investment Options	PARTICIPANTS					Participants in Option as of 6/30/2017	Participants in Option as of 9/30/2017	Investment Selection Percentage*
	Active	Beneficiary	Retired	Terminated	QDRO			
SF GIA 61971	\$34,407,062	\$287,249	\$32,235,449	\$2,524,981	\$88,038	1,598	1,621	32.7%
Hartford Total Return Bond HLS Fund	\$2,344,882	\$82	\$1,135,157	\$215,600	\$0	613	637	2.5%
PIMCO High Yield Fund	\$1,598,363	\$3,080	\$604,327	\$109,698	\$7,336	546	559	1.7%
PIMCO Foreign Bond Fund	\$597,671	\$0	\$170,444	\$68,400	\$0	365	384	1.0%
American Funds Balanced Fund	\$3,888,401	\$57,536	\$986,764	\$299,726	\$11,286	497	501	5.2%
American Century Equity Income Fund	\$5,961,387	\$45,296	\$1,436,658	\$256,226	\$10,259	960	975	5.2%
Wells Fargo Disciplined US Core	\$9,405,028	\$224,861	\$2,221,984	\$735,030	\$12,836	1,011	1,026	7.5%
Vanguard Institutional Index Fund	\$8,438,427	\$65,041	\$1,813,122	\$433,401	\$5,239	994	1,050	10.0%
American Funds Grth Fund of America	\$9,771,836	\$19,571	\$2,001,918	\$692,104	\$16,163	1,143	1,182	9.0%
Hotchkis and Wiley Mid Cap Val Fd	\$2,432,080	\$0	\$772,579	\$166,989	\$4,826	728	708	2.3%
Vanguard Mid Cap Index Fund	\$1,926,987	\$0	\$282,824	\$108,671	\$0	669	711	2.9%
Hartford MidCap HLS Fund	\$6,323,638	\$0	\$1,325,716	\$473,142	\$10,603	1,162	1,192	5.6%
AMG Managers Skyline Special Eq Fd	\$2,326,921	\$0	\$545,794	\$158,720	\$3,775	733	716	2.2%
Vanguard Small Cap Index Fund	\$2,099,521	\$0	\$395,902	\$111,952	\$2,004	698	727	2.5%
Wells Fargo Small Company Growth Fc	\$1,954,899	\$0	\$252,888	\$179,555	\$2,270	0	725	2.0%

Total Participants 2248: 1706 Active, 6 Beneficiary, 402 Retired, 129 Terminated, 5 QDRO

*The investment selection percentages reflect participants with an active status. Due to rounding the percentages may not total 100%. Contracts with multiple plans may result in participants maintaining balances in more than one plan.

61971-2 Washoe County Deferred Compensation Plan

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RS-41492-01



Total Investment Balance

as of September 30, 2017

Participant Demographics

Investment Options	PARTICIPANTS					Participants in Option as of 6/30/2017	Participants in Option as of 9/30/2017	Investment Selection Percentage*
	Active	Beneficiary	Retired	Terminated	QDRO			
Amer Funds EuroPacific Growth Fund	\$3,732,843	\$21,777	\$814,388	\$266,114	\$3,030	833	854	4.4%
DFA Intl Small Cap Value Prtfl Fd	\$1,354,786	\$0	\$170,950	\$108,032	\$3,909	511	531	1.6%
Lazard Emerging Markets Fund	\$1,124,267	\$0	\$176,865	\$101,546	\$3,420	505	530	1.6%
Total	\$99,689,000	\$724,492	\$47,343,727	\$7,009,886	\$184,992	-----	-----	100%

Total Participants 2248: 1706 Active, 6 Beneficiary, 402 Retired, 129 Terminated, 5 QDRO

*The investment selection percentages reflect participants with an active status. Due to rounding the percentages may not total 100%. Contracts with multiple plans may result in participants maintaining balances in more than one plan.

619712 Washoe County Deferred Compensation Plan

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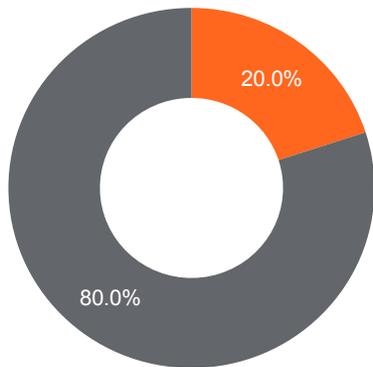


Participant Interactions

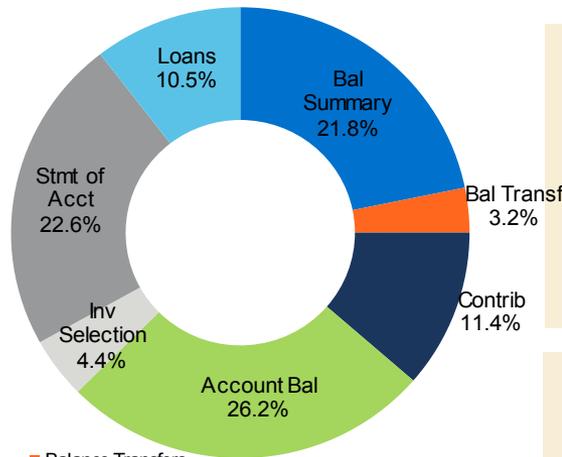
July 01, 2017 through September 30, 2017

	Total Visits
Toll Free 800#	29
Call Center	678
Website	4,279

Toll Free 800#



Website (My Account)



- Balance Summary
- Contributions
- Enrollments
- Investment Selection
- Periodic Rebalance
- Loans
- Balance Transfers
- Account Balance
- Daily Performance
- On-Demand Rebalance
- Statement of Account
- RSG

Highlights - Website

My Account	1009
Research	39

Highlights - Retirement Services Call Center

Loans	82
RSG-Retirement Options	51
Transaction Performed	47
Withdrawals	39
Participant Indicative	37

Loan Summary

Loan Data				
	Your Plan 06/30/2017	Your Plan 09/30/2017	MassMutual Average 12/31/2016	Industry Averages
Number of loans allowed	1	1	2.0	1.1*
Average number of loans per participant with loans	1.0	1.0	1.2	Not available
Percentage of participants with loans	11.7%	12.0%	11.0%	14.6%*
Average loan balance	\$8,688	\$9,123	\$7,661	\$6,216*
Percentage of plan assets loaned	1.5%	1.6%	1.6%	0.7%*

	Your Plan 06/30/2017	Your Plan 09/30/2017
Total number of participants with loans	261	270
Total number of outstanding loans	261	270
Average account balance of participants with loans	\$53,793	\$54,917
Total value of outstanding loans	\$2,267,568	\$2,463,225

Current Loan Interest Rate = 6.25%

*Source: PSCA's 58th Annual Survey of PS and 401(k) Plans



Washoe County 3rd Quarter 2017 Summary Sheet

Group Meeting Results	3rd Quarter 2016	2016 YTD Totals	3rd Quarter 2017	2017 YTD Totals
Meetings	24	62	34	76
Attendees	240	807	473	991
457 Enrollments	29	102	44	149
401(a) Enrollments	1	6	2	6
One on One Counseling Sessions	164	544	248	596

Rollover Results	3rd Quarter 2016	2016 YTD Totals	3rd Quarter 2017	2017 YTD Totals
Rollovers In	6	38	12	43
Dollars from Rollovers In	\$457,983.44	\$1,131,774.01	\$310,182.90	\$1,242,594.42
Rollovers Out	17	48	7	32
Dollars from Rollovers Out	\$1,140,587.89	\$2,968,811.55	\$383,234.97	\$2,258,789.97
PERS Purchases	19	62	19	56
Dollars from PERS Purchases	\$604,858.53	\$2,439,965.00	\$407,762.05	\$1,225,152.31

401(a) & 457 Loan Results	3rd Quarter 2016	2016 YTD Totals	3rd Quarter 2017	2017 YTD Totals
401(a) Applications Processed	0	6	1	4
Dollars from Applications Processed	\$0.00	\$143,541.09	\$6,000.00	\$20,297.76
457 Applications Processed	26	75	39	80
Dollars from Applications Processed	\$247,080.66	\$879,549.50	\$525,418.37	\$1,150,820.73

Hardship Results	3rd Quarter 2016	2016 YTD Totals	3rd Quarter 2017	2017 YTD Totals
Hardship Applications Approved	1	4	1	2
Dollars from Approved Applications	\$2,121.48	\$8,021.88	\$5,555.56	\$9,398.35

401(a) & 457 Fund & Average Results	3rd Quarter 2016	3rd Quarter 2017
Participants in 457 Plan	2,127	2,248
Participants in 401(a) Plan	161	162
457 Assets Including Loan Assets	\$137,685,684.27	\$154,952,098.02
401(a) Assets Including Loan Assets	\$9,670,923.59	\$10,824,550.49
Average 457 Participant Balance	\$64,732.34	\$68,928.87
Average 401(a) Participant Balance	\$60,067.85	\$66,818.21

ROTH Results	3rd Quarter 2016	3rd Quarter 2017
Participants with a Roth Balance	189	201
Assets in Roth	\$1,875,268.46	\$2,497,526.07