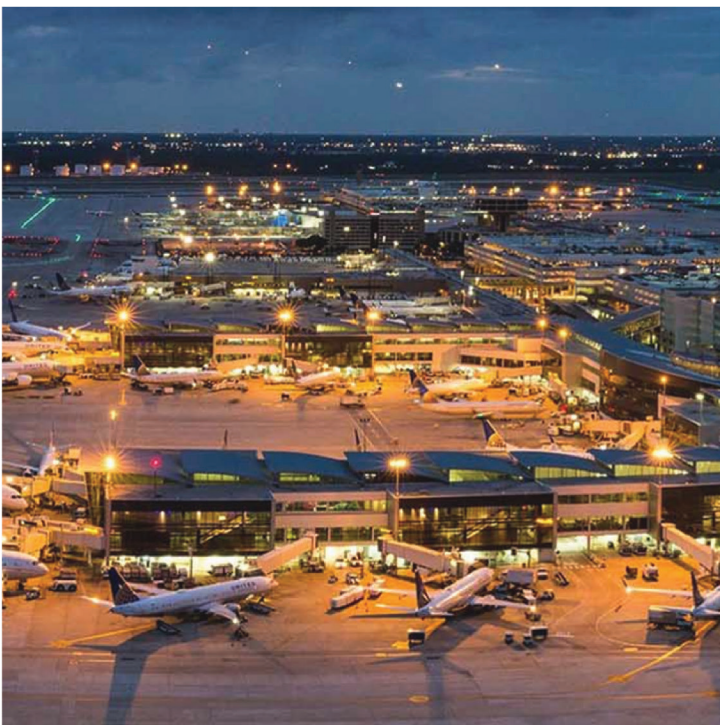


# STATISTICAL SECTION

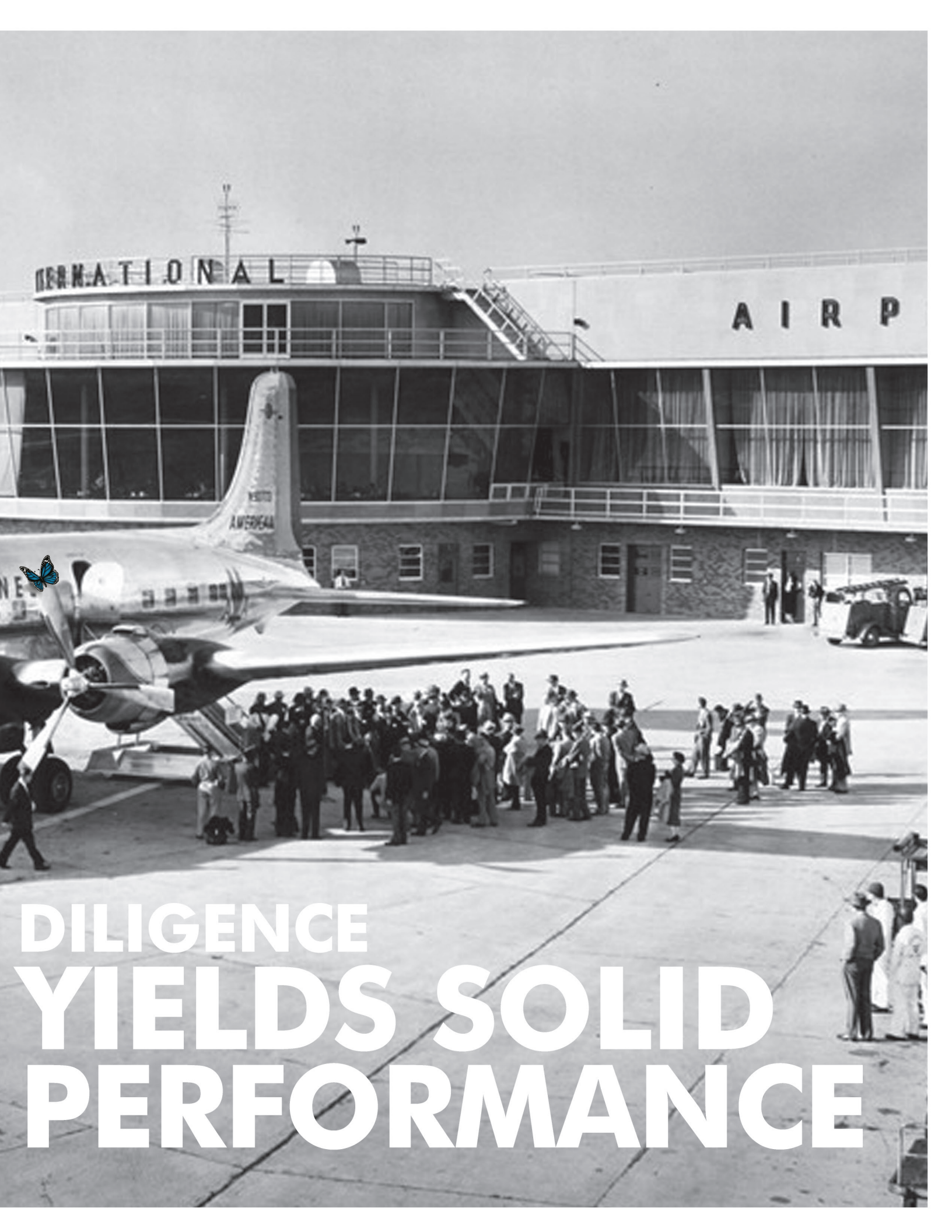


**HMEPS**  
HOUSTON MUNICIPAL EMPLOYEES PENSION SYSTEM



*Houston International Airport, 1953*





**DILIGENCE  
YIELDS SOLID  
PERFORMANCE**

## INTRODUCTION

The Statistical section of the Comprehensive Annual Financial Report presents detailed information related to the System’s financial statements. The schedules within the Statistical section are classified as Financial Trends and Participant Information. All information was derived from audited annual financials and/or our benefit administration system, and/or the annual actuarial valuations.

## FINANCIAL TRENDS

The Changes in Fiduciary Net Position schedule shows the additions and deductions from fiduciary net position and the resulting changes in fiduciary net position for the ten years ending June 30, 2018.

Additions to Fiduciary Net Position include city and member contributions to the System which are external sources of additions to plan net positions. Additions also include earnings from the System’s investment activity and are the System’s internal sources of, and typically the larger component of, additions to plan net positions.

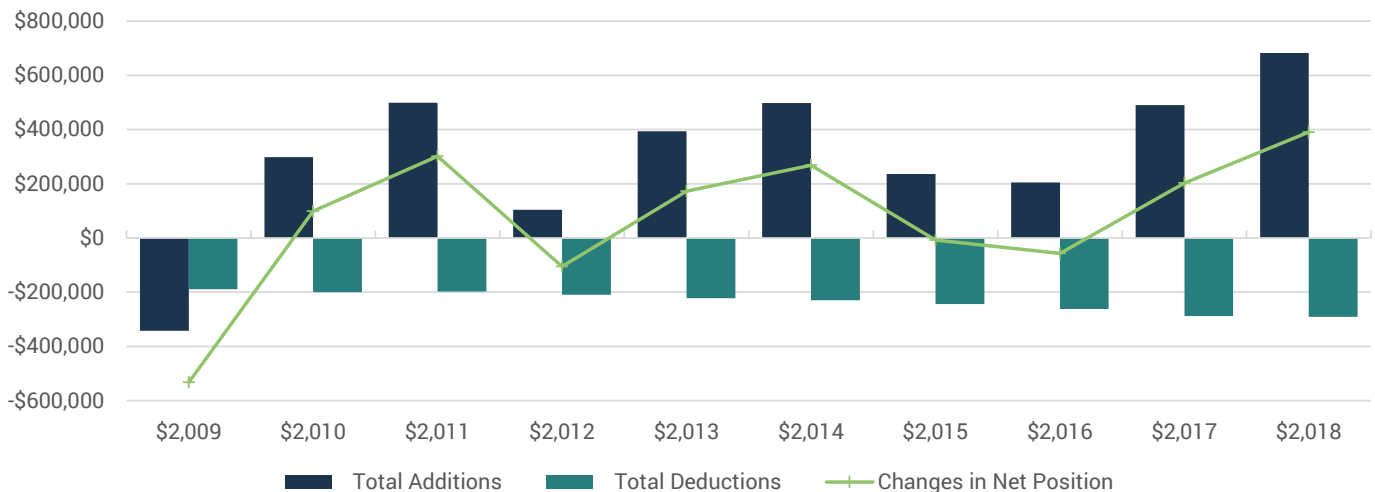
Deductions from Fiduciary Position are primarily comprised of benefit payments and refunds paid to participants.

## OPERATING INFORMATION

Participant data for the last ten years ending June 30, 2018 can be found starting on page 134 and includes several schedules regarding benefit payments to participants and participant demographics.

### Chart of Changes in Fiduciary Net Position (in \$000)

YEARS ENDED JUNE 30



## Schedule of Changes in Fiduciary Net Position

### Financial Trends

	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
<b>Additions (Reductions)</b>										
Employer contributions	\$ 76,837	\$ 82,052	\$ 87,285	\$ 97,161	\$ 111,859	\$ 128,274	\$ 145,007	\$ 159,958	\$ 182,558	\$ 421,562
Member contributions	20,449	19,736	19,326	18,473	17,041	16,580	16,198	15,874	15,901	27,905
Investment income (loss)	(440,298)	195,433	391,095	(11,963)	263,891	351,792	73,854	27,988	290,911	231,815
Other income	489	557	1,185	654	1,246	730	557	1,303	1,272	701
<b>Total additions (reductions) to net position</b>	<b>(342,523)</b>	<b>297,778</b>	<b>498,891</b>	<b>104,325</b>	<b>394,037</b>	<b>497,376</b>	<b>235,616</b>	<b>205,123</b>	<b>490,642</b>	<b>681,983</b>
<b>Deductions</b>										
Benefit payments	180,361	191,048	189,199	200,014	213,178	221,925	234,955	253,179	280,456	283,928
Refund of contributions	1,795	1,285	1,620	2,206	1,266	1,213	1,549	1,105	718	807
Professional services fees	792	805	1,103	1,048	871	597	822	1,021	805	656
Cost of administration	6,420	6,290	6,020	6,264	6,341	5,818	6,185	6,339	6,021	5,786
<b>Total deductions to net position</b>	<b>189,368</b>	<b>199,428</b>	<b>197,942</b>	<b>209,532</b>	<b>221,656</b>	<b>229,553</b>	<b>243,511</b>	<b>261,644</b>	<b>288,000</b>	<b>291,177</b>
<b>Changes in fiduciary net position</b>	<b>\$ (531,891)</b>	<b>\$ 98,350</b>	<b>\$ 300,949</b>	<b>\$ (105,207)</b>	<b>\$ 172,381</b>	<b>\$ 267,823</b>	<b>\$ (7,895)</b>	<b>\$ (56,521)</b>	<b>\$ 202,642</b>	<b>\$ 390,806</b>

**Schedule Of Benefit Participants And Annuities By Type Ten Years Ended June 30 (in \$000)**

**Operating Information**

<b>Participants by Benefit Type</b>	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Service	6,336	6,482	6,663	7,031	7,258	7,522	7,821	8,084	8,376	8,616
Disability	415	404	398	391	387	373	350	336	323	298
Survivors and beneficiaries	1,589	1,640	1,656	1,656	1,782	1,827	1,854	1,893	1,902	1,918
Total Annuity Count	8,340	8,526	8,717	9,078	9,427	9,722	10,025	10,313	10,601	10,832
Inactive Eligible Participants	2,884	2,815	3,178	3,237	3,298	3,305	3,313	3,468	3,409	3,451
Total Eligible for Benefits	11,224	11,341	11,895	12,315	12,725	13,027	13,338	13,781	14,010	14,283

**Benefit Payments by Type**

Service	\$133,209	\$139,779	\$146,863	\$157,214	\$164,924	\$173,749	\$183,613	\$192,759	\$201,890	\$212,243
Disability	3,652	3,650	3,698	3,769	3,864	3,808	3,722	3,626	3,613	3,462
Survivors and beneficiaries	16,160	17,724	19,174	20,533	22,383	24,262	25,777	27,346	30,329	31,521
Total Annuity Payments	153,021	161,153	169,735	181,516	191,171	201,819	213,112	223,731	235,832	247,226

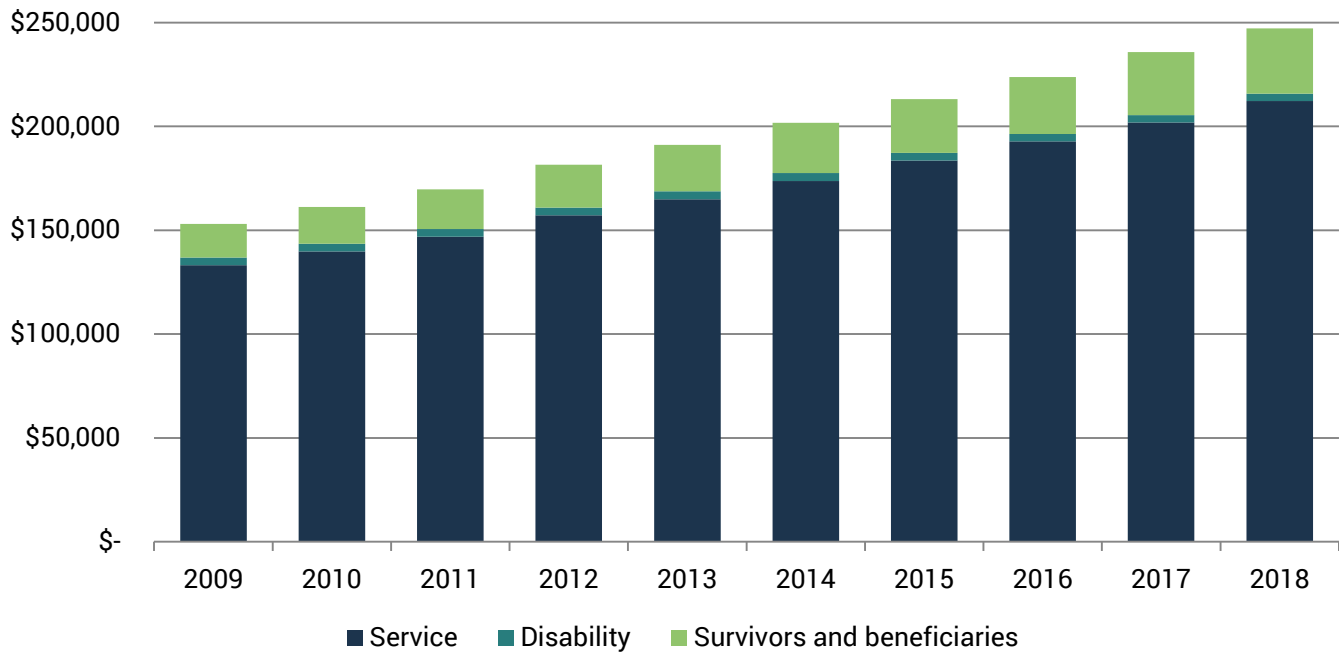
Lump Sum Payments	1,067	641	449	156	200	177	201	252	351	224
DROP Payments	26,273	29,254	19,015	18,342	21,807	19,929	21,641	29,195	44,274	36,478
Total Other-Benefit Payments	27,340	29,895	19,464	18,498	22,007	20,106	21,842	29,447	44,625	36,702
Total Benefit Payments	\$180,361	\$191,048	\$189,199	\$200,014	\$213,178	\$221,925	\$234,954	\$253,178	\$280,457	\$283,928
Refunds of Contribution	\$1,795	\$1,285	\$1,620	\$2,206	\$1,266	\$1,213	\$1,549	\$1,105	\$718	\$807

**Average Benefit Payments by Type**

Service	\$21,024	\$21,564	\$22,042	\$22,360	\$22,723	\$23,099	\$23,477	\$23,845	\$24,103	\$24,634
Disability	8,800	9,035	9,291	9,639	9,984	10,209	10,634	10,792	11,186	11,617
Survivors and beneficiaries	10,170	10,807	11,579	12,399	12,561	13,280	13,903	14,446	15,946	16,434

### Chart of Benefit Payments by Type (in \$000)

Years Ended June 30



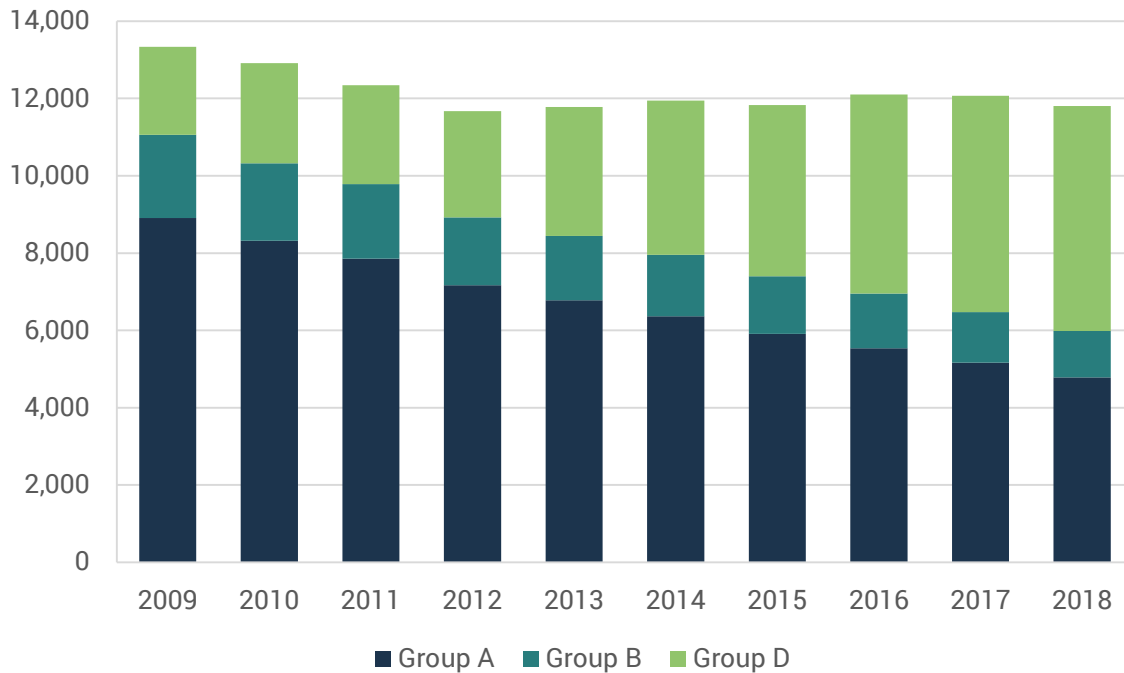
### Schedule of Benefit Recipients by Type and Age

Year Ended June 30, 2018

Age on June 30,	Service	Disability	Survivors and beneficiaries	Total
Under 40	0	0	93	93
40 - 44	0	2	10	12
45 - 49	0	5	26	31
50 - 54	109	14	64	187
55 - 59	727	40	142	909
60 - 64	1684	62	236	1982
65 - 69	2230	61	278	2569
70 - 74	1832	41	274	2147
75 - 79	1013	45	273	1331
80 - 84	614	21	234	869
85 & Over	407	7	288	702
<b>Total</b>	<b>8616</b>	<b>298</b>	<b>1918</b>	<b>10832</b>

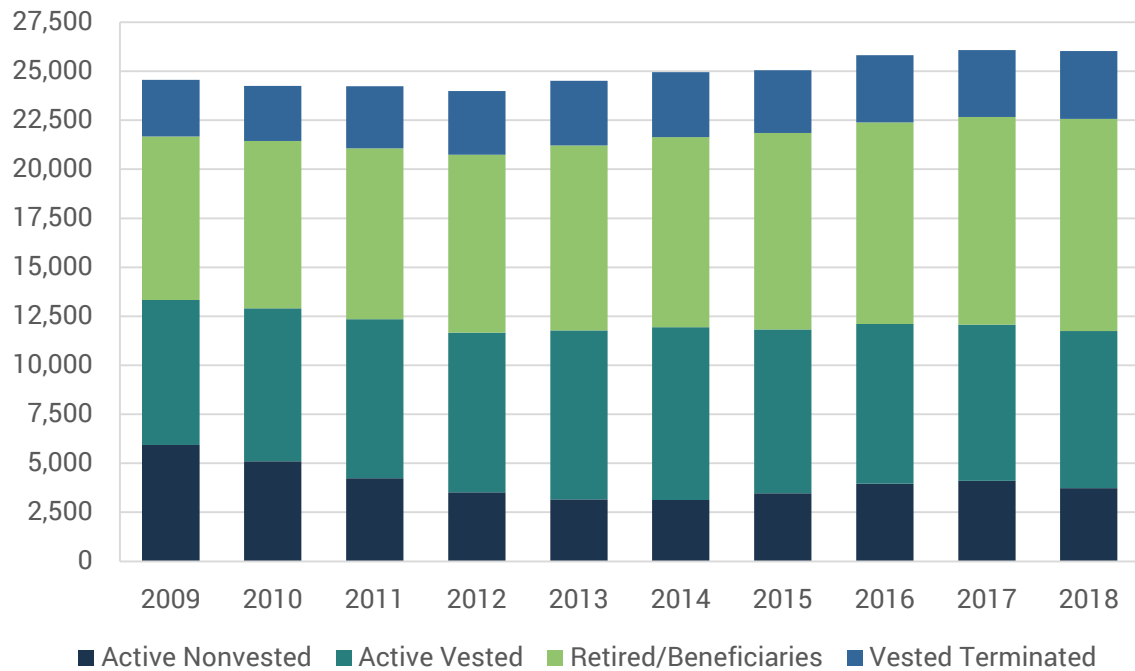
## Historical Active Participant Data

Fiscal Year	Active Vested/Nonvested			Number of Participants	Annual Payroll (\$000)	Average Salary (\$)	% Salary Increase
	Group A	Group B	Group D				
2009	8,906	2,153	2,274	13,333	539,023	40,428	5.7
2010	8,323	1,999	2,591	12,913	550,709	42,648	5.5
2011	7,857	1,932	2,556	12,345	544,665	44,120	3.5
2012	7,167	1,759	2,744	11,670	534,394	45,792	3.8
2013	6,777	1,666	3,338	11,781	549,971	46,683	1.9
2014	6,366	1,590	3,993	11,949	568,992	47,618	2.0
2015	5,911	1,489	4,427	11,827	584,025	49,381	3.7
2016	5,537	1,417	5,149	12,103	608,210	50,253	1.8
2017	5,165	1,312	5,589	12,066	623,577	51,681	2.8
2018	4,788	1,199	5,822	11,809	611,493	51,780	0.1



## Historical Total Membership Data and Bar Chart

Fiscal Year	Active Nonvested	Active Vested	Retired/ Beneficiaries	Vested Terminated	Totals
2009	5,941	7,392	8,340	2,884	24,557
2010	5,101	7,812	8,526	2,815	24,254
2011	4,237	8,108	8,717	3,178	24,240
2012	3,512	8,158	9,078	3,237	23,985
2013	3,154	8,627	9,427	3,298	24,506
2014	3,131	8,818	9,685	3,313	24,947
2015	3,475	8,352	10,023	3,202	25,052
2016	3,967	8,136	10,289	3,432	25,824
2017	4,105	7,961	10,601	3,409	26,076
2018	3,732	8,077	10,832	3,451	27,069





## Average Benefit Payments by Years of Credited Service

Members Retiring During Fiscal Years	Years of Credited Service							All Members
	5-10	11-15	16-20	21-25	26-30	30+		
2009	Average monthly benefit	\$ 582	\$ 881	\$ 1,526	\$ 1,839	\$ 2,320	\$ 2,400	\$ 1,290
	Average monthly salary	\$ 3,278	\$ 3,032	\$ 3,267	\$ 3,166	\$ 3,383	\$ 2,959	\$ 3,189
	Average DROP balance	\$ 42,190	\$ 55,623	\$ 173,415	\$ 164,178	\$ 283,627	\$ 19,301	\$ 140,745
	Number of DROP retirees	14	31	34	50	13	1	143
	Number of retirees	76	89	76	86	21	3	351
2010	Average monthly benefit	\$ 572	\$ 1,107	\$ 1,579	\$ 2,631	\$ 3,309	\$ -	\$ 1,579
	Average monthly salary	\$ 3,512	\$ 3,478	\$ 3,796	\$ 4,154	\$ 4,342	\$ -	\$ 3,769
	Average DROP balance	\$ 66,061	\$ 87,798	\$ 174,978	\$ 244,143	\$ 312,750	\$ -	\$ 181,870
	Number of DROP retirees	21	30	34	44	21	-	150
	Number of retirees	84	81	76	64	32	-	337
2011	Average monthly benefit	\$ 593	\$ 925	\$ 1,611	\$ 2,378	\$ 2,310	\$ 2,789	\$ 1,486
	Average monthly salary	\$ 3,474	\$ 3,247	\$ 3,578	\$ 3,794	\$ 3,266	\$ 3,996	\$ 3,505
	Average DROP balance	\$ 52,041	\$ 97,571	\$ 181,686	\$ 241,297	\$ 249,370	\$ 320,514	\$ 182,068
	Number of DROP retirees	15	27	42	50	15	2	151
	Number of retirees	82	91	97	83	35	7	395
2012	Average monthly benefit	\$ 548	\$ 972	\$ 1,463	\$ 2,097	\$ 2,775	\$ 2,279	\$ 1,476
	Average monthly salary	\$ 3,319	\$ 3,114	\$ 3,483	\$ 3,544	\$ 3,789	\$ 3,123	\$ 3,413
	Average DROP balance	\$ 28,933	\$ 97,805	\$ 109,125	\$ 172,352	\$ 135,562	\$ -	\$ 121,920
	Number of DROP retirees	19	53	81	72	33	-	258
	Number of retirees	97	124	148	120	58	6	553
2013	Average monthly benefit	\$ 577	\$ 1,083	\$ 1,524	\$ 2,406	\$ 2,492	\$ 2,936	\$ 1,450
	Average monthly salary	\$ 3,660	\$ 3,565	\$ 3,503	\$ 3,877	\$ 3,573	\$ 4,000	\$ 3,648
	Average DROP balance	\$ 33,482	\$ 96,989	\$ 163,551	\$ 196,720	\$ 70,570	\$ 37,305	\$ 137,474
	Number of DROP retirees	17	44	59	52	13	2	187
	Number of retirees	110	114	113	84	31	12	461
2014	Average monthly benefit	\$ 582	\$ 1,082	\$ 1,523	\$ 2,283	\$ 2,695	\$ 3,424	\$ 1,395
	Average monthly salary	\$ 3,229	\$ 3,238	\$ 3,505	\$ 3,741	\$ 3,625	\$ 4,402	\$ 3,423
	Average DROP balance	\$ 92,531	\$ 118,155	\$ 119,035	\$ 276,187	\$ 131,517	\$ 104,467	\$ 153,977
	Number of DROP retirees	23	46	72	51	27	1	220
	Number of retirees	126	116	123	78	35	4	482
2015	Average monthly benefit	\$ 625	\$ 1,158	\$ 1,871	\$ 2,412	\$ 2,950	\$ 2,762	\$ 1,636
	Average monthly salary	\$ 3,365	\$ 3,586	\$ 3,756	\$ 3,791	\$ 3,847	\$ 3,330	\$ 3,639
	Average DROP balance	\$ 55,711	\$ 112,360	\$ 172,535	\$ 186,044	\$ 136,625	\$ 97,841	\$ 153,083
	Number of DROP retirees	19	47	93	78	24	4	265
	Number of retirees	109	107	131	109	29	7	492
2016	Average monthly benefit	\$ 674	\$ 1,039	\$ 1,972	\$ 2,802	\$ 3,627	\$ 2,915	\$ 1,807
	Average monthly salary	\$ 3,973	\$ 3,278	\$ 3,983	\$ 3,957	\$ 4,477	\$ 3,466	\$ 3,846
	Average DROP balance	\$ 52,494	\$ 72,536	\$ 158,655	\$ 318,208	\$ 253,977	\$ 165,445	\$ 194,300
	Number of DROP retirees	22	36	91	78	22	8	257
	Number of retirees	100	96	124	101	29	12	462
2017	Average monthly benefit	\$ 727	\$ 1,176	\$ 1,753	\$ 2,696	\$ 2,989	\$ 4,408	\$ 1,867
	Average monthly salary	\$ 4,131	\$ 3,481	\$ 3,673	\$ 4,110	\$ 3,947	\$ 4,999	\$ 3,883
	Average DROP balance	\$ 73,002	\$ 75,610	\$ 126,681	\$ 231,788	\$ 238,546	\$ 268,657	\$ 172,994
	Number of DROP retirees	17	44	89	116	37	9	312
	Number of retirees	95	118	121	145	47	12	538
2018	Average monthly benefit	\$ 630	\$ 1,223	\$ 1,909	\$ 3,070	\$ 3,149	\$ 3,788	\$ 1,860
	Average monthly salary	\$ 3,832	\$ 3,880	\$ 3,960	\$ 4,633	\$ 4,121	\$ 4,167	\$ 4,070
	Average DROP balance	\$ 66,220	\$ 82,362	\$ 166,913	\$ 257,733	\$ 229,513	\$ 194,307	\$ 178,656
	Number of DROP retirees	30	39	76	81	29	9	264
	Number of retirees	95	120	116	98	37	11	477
10 Years Ended 6/30/2018	Average monthly benefit	\$ 611	\$ 1,065	\$ 1,673	\$ 2,461	\$ 2,862	\$ 2,770	\$ 1,585
	Average monthly salary	\$ 3,577	\$ 3,390	\$ 3,650	\$ 3,877	\$ 3,837	\$ 3,444	\$ 3,639
	Average DROP balance	\$ 56,267	\$ 89,681	\$ 154,657	\$ 228,865	\$ 204,206	\$ 120,784	\$ 161,709
	Avg Number of DROP retirees	20	40	67	67	23	4	221
	Average Number of retirees	97	106	113	97	35	7	455
	Total number of retirees	974	1,056	1,125	968	354	74	4,548