

## DATA BOOK LISTING

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## PBGC DATA BOOK AT A GLANCE

	Single-Employer Program <i>(Dollars in millions)</i>	Multiemployer Program <i>(Dollars in millions)</i>	Combined Programs <i>(Dollars in millions)</i>
<b>Fiscal Year 2014:</b>			
Net Financial Position	-\$19,338	-\$42,434	-\$61,772
Total Assets	\$88,013	\$1,769	\$89,782
Total Liabilities	\$107,351	\$44,203	\$151,554
Premium Revenue*	\$3,812	\$122	\$3,934
Number of Insured Plans	22,344	1,425	23,769
Number of Insured Participants	30.9 million	10.3 million	41.2 million
Change in number of plans Trusteed or Pending Trusteeship**	83	n/a	83
Change in Claims*****	\$1,852	n/a	\$1,852
Total Number of Payees	813,000	52,000	865,000
Paid Directly***	813,000	50	813,050
Paid Indirectly Through Financial Assistance	-	51,950	51,950
Total Benefit Payments	\$5,522	\$97	\$5,619
Paid Directly to Payees	\$5,522	****	\$5,522
Financial Assistance Granted	n/a	\$97	\$97
Number of Plans Receiving Financial Assistance	n/a	53	53
<b>Fiscal Years 1975-2014:</b>			
Plans Trusteed or Pending Trusteeship	4,640	10	4,650
Amount of Claims*****	\$48,772	\$31	\$48,803
Number of Plans Receiving Financial Assistance	n/a	76	76
Total Amount of Financial Assistance Granted	n/a	\$980	\$980

Sources: PBGC Pension Insurance Data Book Tables S-1, S-2, S-3, S-20, S-30, S-31, M-1, M-2, M-3, M-4, M-5 and M-6.

\*Beginning in FY 2009, PBGC started to report premium income net of bad debt expense for premium, interest, and penalties.

\*\*In FY 2014 this item was renamed to more accurately reflect the figure presented. It was previously referred to as "New Plans Trusteed or Pending Trusteeship".

\*\*\*The number of payees includes those receiving a periodic pension benefit payment and those who received a lump-sum benefit payment from PBGC during FY 2014.

\*\*\*\*Less than \$500,000.

\*\*\*\*\*For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Due to rounding of individual items, numbers may not add up exactly across columns.

**Table S-1**  
**Net Financial Position (1980-2015)**  
**Single-Employer Program**

Fiscal Year	Assets <i>(in millions)</i>	Liabilities <i>(in millions)</i>	Net Position <i>(in millions)</i>
1980	\$430	\$524	-\$95
1985	1,155	2,480	-1,325
1990	2,797	4,710	-1,913
1995	10,371	10,686	-315
1996	12,043	11,174	869
1997	15,314	11,833	3,481
1998	17,631	12,619	5,012
1999	18,431	11,393	7,038
2000	20,830	11,126	9,704
2001	21,768	14,036	7,732
2002	25,430	29,068	-3,638
2003	34,016	45,254	-11,238
2004	38,993	62,298	-23,305
2005	56,470	79,246	-22,776
2006	59,972	78,114	-18,142
2007	67,241	80,352	-13,111
2008	64,612	75,290	-10,678
2009	68,736	89,813	-21,077
2010	77,463	99,057	-21,594
2011	78,960	102,226	-23,266
2012	82,973	112,115	-29,142
2013	83,227	110,608	-27,381
2014	88,013	107,351	-19,338
2015	85,735	109,800	-24,065

Source: PBGC Annual Reports.

Due to rounding of individual items, numbers may not add up across columns.

**Table S-2**  
**PBGC Premium Revenue, Benefit Payments, and Expenses (1980-2015)**  
**Single-Employer Program**

<b>Fiscal Year</b>	<b>Total Premium Revenue (in millions)</b>	<b>Benefit Payments (in millions)</b>	<b>Administrative &amp; Investment Expenses (in millions)</b>	<b>Premiums Minus Benefits Paid and Expenses (in millions)</b>
1980	\$71	\$37	\$20	\$14
1985	82	170	33	-121
1990	659	369	63	227
1995	838	761	138	-61
1996	1,146	790	150	206
1997	1,067	823	155	89
1998	966	847	158	-39
1999	902	901	161	-160
2000	807	902	167	-262
2001	821	1,042	184	-405
2002	787	1,537	225	-975
2003	948	2,488	290	-1,830
2004	1,458	3,006	288	-1,836
2005	1,451	3,685	342	-2,576
2006	1,442	4,082	405	-3,045
2007	1,476	4,266	378	-3,168
2008	1,340	4,292	400	-3,352
2009*	1,822	4,478	417	-3,073
2010	2,231	5,467	449	-3,685
2011	2,072	5,340	424	-3,692
2012	2,642	5,384	443	-3,185
2013	2,943	5,449	434	-2,940
2014	3,812	5,522	464	-2,174
2015	4,138	5,570	446	-1,878

Source: PBGC Annual Reports.

Due to rounding of individual items, numbers may not add up across columns.

\*Beginning in 2009, PBGC has reported premium income net of bad debt expense for premium, interest, and penalties.

**Table S-3**  
**PBGC Terminations and Claims (1975-2014)**  
**Single-Employer Program**

Fiscal Year	Standard Terminations Filings	Trusteed Terminations*	Assets <i>(in millions)</i>	Liabilities <i>(in millions)</i>	Gross Claims <i>(in millions)</i>	Recoveries <i>(in millions)</i>	Net Claims <i>(in millions)</i>
1975-1979	7,955	586	\$146	\$397	\$252	\$56	\$196
1980-1984	28,025	622	519	1,257	739	154	585
1985-1989	42,599	537	651	2,351	1,700	159	1,541
1990-1994	24,171	694	2,276	5,117	2,841	446	2,395
1995-1999	15,089	444	1,420	2,197	777	72	705
2000	1,892	74	267	368	101	15	86
2001	1,748	117	2,538	3,686	1,148	183	965
2002	1,452	186	4,578	8,310	3,731	225	3,507
2003	1,203	172	6,935	13,408	6,474	208	6,266
2004	1,198	165	2,859	6,117	3,258	502	2,756
2005	1,108	129	10,322	21,566	11,244	1,795	9,450
2006	1,247	89	2,360	4,589	2,230	1,323	906
2007	1,233	79	635	975	340	25	315
2008	1,405	83	539	816	277	40	237
2009	1,294	191	10,095	18,904	8,809	811	7,998
2010	1,308	154	1,324	2,544	1,219	156	1,063
2011	1,400	96	868	1,561	693	57	637
2012	1,332	113	817	1,789	972	67	905
2013	1,481	79	1,401	2,802	1,401	68	1,333
2014	1,373	30	776	1,341	565	13	552
<b>Total</b>	<b>138,513</b>	<b>4,640</b>	<b>\$51,323</b>	<b>\$100,096</b>	<b>\$48,772</b>	<b>\$6,374</b>	<b>\$42,398</b>

Source: PBGC Fiscal Year Closing File.

Due to rounding of individual items, numbers may not add up across columns.

\*Trusteed terminations include plans pending trusteeship.

Claims figures shown in this table are calculated on a plan basis and identified with fiscal year of plan termination for each plan.

The annual numbers of trusteed terminations shown in this table may differ from those reported elsewhere as they reflect the fiscal year of plan termination rather than the fiscal year in which the loss was incurred.

Values are subject to change as PBGC completes reviews, establishes termination dates, and determines recoveries.

**Table S-4  
PBGC Claims (1975-2014)  
Single-Employer Program**

Fiscal Year	Claims	Claims of Top 10 Firms and Percent of Total Annual Claims		Other Claims and Percent of Total Annual Claims	
1975-1979	\$251,797,149	---	---	\$251,797,149	100.0%
1980-1984	738,521,558	---	---	738,521,558	100.0%
1985-1989	1,700,007,243	---	---	1,700,007,243	100.0%
1990-1994	2,840,966,023	\$841,082,434	29.6%	1,999,883,589	70.4%
1995	161,857,528	---	---	161,857,528	100.0%
1996	165,514,394	---	---	165,514,394	100.0%
1997	206,424,354	---	---	206,424,354	100.0%
1998	75,336,434	---	---	75,336,434	100.0%
1999	167,925,758	---	---	167,925,758	100.0%
2000	101,009,648	---	---	101,009,648	100.0%
2001	1,147,951,235	668,377,105	58.2%	479,574,130	41.8%
2002	3,731,491,037	2,062,780,536	55.3%	1,668,710,501	44.7%
2003	6,473,676,825	5,550,016,192	85.7%	923,660,633	14.3%
2004	3,257,887,893	692,584,382	21.3%	2,565,303,511	78.7%
2005	11,244,301,445	9,486,323,371	84.4%	1,757,978,074	15.6%
2006	2,229,540,761	1,720,156,505	77.2%	509,384,256	22.8%
2007	339,787,013	---	---	339,787,013	100.0%
2008	277,465,701	---	---	277,465,701	100.0%
2009	8,809,317,989	6,382,168,005	72.4%	2,427,149,984	27.6%
2010	1,219,489,623	---	---	1,219,489,623	100.0%
2011	693,457,054	---	---	693,457,054	100.0%
2012	972,158,702	---	---	972,158,702	100.0%
2013	1,401,259,807	---	---	1,401,259,807	100.0%
2014	565,170,344	---	---	565,170,344	100.0%
<b>Total (1975-2014)</b>	<b>\$48,772,315,518</b>	<b>27,403,488,530</b>	<b>56.2%</b>	<b>\$21,368,826,988</b>	<b>43.8%</b>

Sources: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Annual claims for Top 10 firms are summations of all claims in that fiscal year associated with the Top 10 firms. See Table S-5 for a list of the Top 10 firms with the largest claim values.

Values are subject to change as PBGC completes reviews and establishes termination dates.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

**Table S-5**  
**Top 10 Firms Presenting Claims (1975-2014)**  
**Single-Employer Program**

Top 10 Firms	Number of Plans	Fiscal Year(s) of Plan Termination(s)	Claims (by firm)	Vested Participants	Average Claim Per Vested Participant	Percent of Total Claims
1. United Airlines	4	2005	\$7,304,186,216	122,483	\$59,634	15.0%
2. Delphi	6	2009	6,382,168,004	68,202	93,577	13.1%
3. Bethlehem Steel	1	2003	3,702,771,656	92,174	40,172	7.6%
4. US Airways	4	2003, 2005	2,708,858,934	60,585	44,712	5.6%
5. LTV Steel*	6	2002, 2003, 2004	2,116,397,590	83,782	25,261	4.3%
6. Delta Air Lines	1	2006	1,720,156,505	13,237	129,951	3.5%
7. National Steel	7	2003	1,319,009,116	35,152	37,523	2.7%
8. Pan American Air	3	1991, 1992	841,082,434	53,624	15,685	1.7%
9. Trans World Airlines	2	2001	668,377,105	32,197	20,759	1.4%
10. Weirton Steel	1	2004	640,480,969	9,825	65,189	1.3%
<b>Top 10 Total</b>	<b>35</b>		<b>\$27,403,488,529</b>	<b>571,261</b>	<b>\$47,970</b>	<b>56.2%</b>
<b>All Other Total</b>	<b>4,605</b>		<b>21,368,826,989</b>	<b>1,635,871</b>	<b>13,063</b>	<b>43.8%</b>
<b>Total</b>	<b>4,640</b>		<b>\$48,772,315,518</b>	<b>2,207,132</b>	<b>\$22,098</b>	<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Data in this table have been calculated on a firm basis and, except as noted, include all trustee plans of each firm.

Values and distributions are subject to change as PBGC completes its reviews and establishes termination dates.

Due to rounding of individual items, numbers and percentages may not add up to totals.

\* Does not include 1986 termination of a Republic Steel plan sponsored by LTV.



**Table S-6**  
**PBGC Trusteed Terminations by Fiscal Year and Size of Claim (1975-2014)**  
**Single-Employer Program**

Fiscal Year	Size of Claim (by plan)					Total	Percent of Total
	Less Than \$1 Million	\$1-\$9 Million	\$10-\$99 Million	\$100-\$999 Million	\$1 Billion or More		
1975-1979	545	36	5	0	0	586	12.6%
1980-1984	539	65	18	0	0	622	13.4%
1985-1989	451	66	15	5	0	537	11.6%
1990-1994	536	135	17	6	0	694	15.0%
1995-1999	311	117	16	0	0	444	9.6%
2000-2004	361	245	83	23	2	714	15.4%
2005-2009	238	243	71	12	7	571	12.3%
2010	65	67	21	1	0	154	3.3%
2011	28	51	17	0	0	96	2.1%
2012	36	59	17	1	0	113	2.4%
2013	19	40	18	2	0	79	1.7%
2014	7	14	8	1	0	30	0.6%
<b>Total</b>	<b>3,136</b>	<b>1,138</b>	<b>306</b>	<b>51</b>	<b>9</b>	<b>4,640</b>	
<b>Percent of Total</b>	<b>67.6%</b>	<b>24.5%</b>	<b>6.6%</b>	<b>1.1%</b>	<b>0.2%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews and establishes termination dates.

Due to rounding of individual items, percentages may not add up to 100%.

**Table S-7**  
**PBGC Claims by Fiscal Year and Size of Claim (1975-2014)**  
**Single-Employer Program**

Fiscal Year	Size of Claim (by plan)					Total	Percent of Total
	Less Than \$1 Million	\$1-\$9 Million	\$10-\$99 Million	\$100-\$999 Million	\$1 Billion or More		
1975-1979	\$62,044,003	\$89,366,311	\$100,386,835	-	-	\$251,797,149	0.5%
1980-1984	77,140,573	190,925,495	470,455,491	-	-	738,521,559	1.5%
1985-1989	74,976,491	217,722,858	424,362,735	\$982,945,159	-	1,700,007,243	3.5%
1990-1994	127,302,303	446,455,906	447,349,949	1,819,857,866	-	2,840,966,024	5.8%
1995-1999	94,229,807	304,141,389	378,687,271	-	-	777,058,467	1.6%
2000-2004	119,107,607	806,243,442	2,427,190,033	5,979,989,233	\$5,379,486,323	14,712,016,638	30.2%
2005-2009	95,825,869	789,485,995	2,198,053,866	4,466,015,818	15,351,031,360	22,900,412,908	47.0%
2010	29,097,346	216,925,948	692,388,960	281,077,369	-	1,219,489,623	2.5%
2011	14,172,483	146,473,100	532,811,470	-	-	693,457,053	1.4%
2012	13,671,528	181,759,045	661,393,083	115,335,047	-	972,158,703	2.0%
2013	11,349,022	124,239,250	706,935,751	558,735,784	-	1,401,259,807	2.9%
2014	3,208,173	48,319,619	241,139,661	272,502,891	-	565,170,344	1.2%
<b>Total</b>	<b>\$722,125,205</b>	<b>\$3,562,058,358</b>	<b>\$9,281,155,105</b>	<b>\$14,476,459,167</b>	<b>\$20,730,517,683</b>	<b>\$48,772,315,518</b>	
<b>Percent of Total</b>	<b>1.5%</b>	<b>7.3%</b>	<b>19.0%</b>	<b>29.7%</b>	<b>42.5%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews and establishes termination dates.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

**Table S-8**  
**PBGC Trusteed Plans by Fiscal Year and Funded Ratio (1975-2014)**  
**Single-Employer Program**

Fiscal Year	Funded Ratio				Total	Percent of Total
	Less Than 25%	25%-49%	50%-74%	75% or More		
1975-1979	163	148	124	151	586	12.6%
1980-1984	203	130	141	148	622	13.4%
1985-1989	165	111	130	131	537	11.6%
1990-1994	190	152	181	171	694	15.0%
1995-1999	114	101	143	86	444	9.6%
2000-2004	115	199	250	150	714	15.4%
2005-2009	110	163	216	82	571	12.3%
2010	33	44	70	7	154	3.3%
2011	17	35	42	2	96	2.1%
2012	29	55	26	3	113	2.4%
2013	23	32	24	-	79	1.7%
2014	5	7	15	3	30	0.6%
<b>Total</b>	<b>1,167</b>	<b>1,177</b>	<b>1,362</b>	<b>934</b>	<b>4,640</b>	
<b>Percent of Total</b>	<b>25.2%</b>	<b>25.4%</b>	<b>29.4%</b>	<b>20.1%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

Due to rounding of individual items, percentages may not add up to 100%.

**Table S-9**  
**PBGC Claims by Fiscal Year and Funded Ratio (1975-2014)**  
**Single-Employer Program**

Fiscal Year	Funded Ratio				Total	Percent of Total
	Less Than 25%	25%-49%	50%-74%	75% or More		
1975-1979	\$170,657,343	\$54,182,987	\$20,948,277	\$6,008,542	\$251,797,149	0.5%
1980-1984	299,733,484	308,827,463	119,307,510	10,653,101	738,521,558	1.5%
1985-1989	876,017,160	676,097,677	139,828,456	8,063,950	1,700,007,243	3.5%
1990-1994	1,664,067,037	326,037,334	766,933,938	83,927,715	2,840,966,024	5.8%
1995-1999	97,757,726	185,519,505	338,495,384	155,285,852	777,058,467	1.6%
2000-2004	696,681,906	7,866,540,111	5,961,400,060	187,394,561	14,712,016,638	30.2%
2005-2009	246,167,336	15,793,104,724	6,677,778,798	183,362,051	22,900,412,909	47.0%
2010	67,937,921	308,524,170	840,223,084	2,804,448	1,219,489,623	2.5%
2011	103,556,302	178,816,495	399,269,156	11,815,101	693,457,054	1.4%
2012	46,286,535	720,547,514	188,815,637	16,509,016	972,158,702	2.0%
2013	137,677,014	486,883,212	776,699,581	-	1,401,259,807	2.9%
2014	6,592,406	76,545,928	451,056,064	30,975,946	565,170,344	1.2%
<b>Total</b>	<b>\$4,413,132,170</b>	<b>\$26,981,627,120</b>	<b>\$16,680,755,945</b>	<b>\$696,800,283</b>	<b>\$48,772,315,518</b>	
<b>Percent of Total</b>	<b>9.0%</b>	<b>55.3%</b>	<b>34.2%</b>	<b>1.4%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews and establishes termination dates.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

**Table S-10**  
**PBGC Trusteed Plans by Size of Claim and Funded Ratio (1975-2014)**  
**Single-Employer Program**

Funded Ratio	Size of Claim					Totals	Percent of Total
	Less Than \$1 Million	\$1-\$9 Million	\$10-\$99 Million	\$100-\$999 Million	\$1 Billion or More		
Less Than 25%	869	245	44	9	0	1,167	25.2%
25% - 49%	661	376	116	18	6	1,177	25.4%
50% - 74%	769	435	131	24	3	1,362	29.4%
75% or More	837	82	15	0	0	934	20.1%
<b>Total</b>	<b>3,136</b>	<b>1,138</b>	<b>306</b>	<b>51</b>	<b>9</b>	<b>4,640</b>	
<b>Percent of Total</b>	<b>67.6%</b>	<b>24.5%</b>	<b>6.6%</b>	<b>1.1%</b>	<b>0.2%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews.

**Table S-11**  
**PBGC Claims by Size of Claim and Funded Ratio (1975-2014)**  
**Single-Employer Program**

Funded Ratio	Size of Claim					Total	Percent of Total
	Less Than \$1 Million	\$1 - \$9 Million	\$10 - \$99 Million	\$100 - \$999 Million	\$1 Billion or More		
Less Than 25%	\$240,678,855	\$657,118,284	\$1,218,719,016	\$2,296,616,016	---	\$4,413,132,171	9.0%
25% - 49%	195,390,316	1,248,845,132	4,020,738,893	5,719,729,295	\$15,796,923,484	26,981,627,120	55.3%
50% - 74%	206,945,366	1,417,995,945	3,662,106,580	6,460,113,854	4,933,594,199	16,680,755,944	34.2%
75% or More	79,110,667	238,098,997	379,590,617	---	---	696,800,281	1.4%
<b>Total</b>	<b>\$722,125,205</b>	<b>\$3,562,058,358</b>	<b>\$9,281,155,106</b>	<b>\$14,476,459,166</b>	<b>\$20,730,517,683</b>	<b>\$48,772,315,518</b>	
<b>Percent of Total</b>	<b>1.5%</b>	<b>7.3%</b>	<b>19.0%</b>	<b>29.7%</b>	<b>42.5%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

**Table S-12**  
**Average Claim per Vested Participant by Plan Size (1975-2014)**  
**Single-Employer Program**

Number of Plan Participants	Vested Participants	Plans	Claims		Average Claim Per Participant	Claims* (2014 Dollars)		Average Claim Per Participant (2014 Dollars)
Fewer Than 100	99,685	2,734	\$997,612,728	2.0%	\$10,008	\$1,404,097,035	2.2%	\$14,085
100-999	498,779	1,582	5,193,606,180	10.6%	10,413	7,421,845,768	11.7%	14,880
1,000-4,999	510,613	253	7,941,303,955	16.3%	15,552	11,021,212,279	17.4%	21,584
5,000-9,999	254,250	35	5,685,456,331	11.7%	22,362	7,612,941,777	12.0%	29,943
10,000 or More	843,805	36	28,954,336,323	59.4%	34,314	35,857,684,490	56.6%	42,495
<b>Total</b>	<b>2,207,132</b>	<b>4,640</b>	<b>\$48,772,315,518</b>	<b>100.0%</b>	<b>\$22,098</b>	<b>\$63,317,781,349</b>	<b>100.0%</b>	<b>\$28,688</b>

Source: PBGC Fiscal Year Closing File and Bureau of Labor Statistics

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews.

Claim calculations represent aggregated and average counts of plans, claims, and participants over the stated period.

The number of vested participants and claim values are calculated as of date of plan termination.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

\*Claims in 2014 dollars are calculated using Consumer Price Index - Urban Consumers.

**Table S-13**  
**PBGC Trusteed Plans by Fiscal Year and Plan Size (1975-2014)**  
**Single-Employer Program**

Fiscal Year	Number of Plan Participants						Total	Percent of Total
	Fewer Than 25	25-99	100-999	1,000-4,999	5,000-9,999	10,000 or More		
1975-1979	193	223	159	11	---	---	586	12.6%
1980-1984	192	241	169	20	---	---	622	13.4%
1985-1989	156	201	161	14	4	1	537	11.6%
1990-1994	157	253	259	21	1	3	694	15.0%
1995-1999	98	164	147	31	3	1	444	9.6%
2000-2004	116	196	312	61	17	12	714	15.4%
2005-2009	116	156	218	58	5	18	571	12.3%
2010	36	53	53	10	2	---	154	3.3%
2011	19	33	34	10	---	---	96	2.1%
2012	33	37	36	6	1	---	113	2.4%
2013	21	27	21	8	2	---	79	1.7%
2014	7	6	13	3	---	1	30	0.6%
<b>Total</b>	<b>1,144</b>	<b>1,590</b>	<b>1,582</b>	<b>253</b>	<b>35</b>	<b>36</b>	<b>4,640</b>	
<b>Percent of Total</b>	<b>24.7%</b>	<b>34.3%</b>	<b>34.1%</b>	<b>5.5%</b>	<b>0.8%</b>	<b>0.8%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

Distributions are subject to change as PBGC completes reviews and establishes termination dates.

Due to rounding of individual items, percentages may not add up to 100%.



**Table S-14**  
**PBGC Claims by Fiscal Year and Plan Size (1975-2014)**  
**Single-Employer Program**

Fiscal Year	Number of Plan Participants						Total	Percent of Total
	Fewer Than 25	25-99	100-999	1,000-4,999	5,000-9,999	10,000 or More		
1975-1979	\$6,241,599	\$20,664,240	\$131,259,413	\$93,631,897	---	---	\$251,797,149	0.5%
1980-1984	14,522,725	39,099,370	254,774,136	430,125,328	---	---	738,521,559	1.5%
1985-1989	8,378,959	42,052,053	306,485,594	360,145,478	\$738,503,990	\$244,441,168	1,700,007,242	3.5%
1990-1994	15,702,111	72,857,155	560,884,473	883,522,155	62,798,864	1,245,201,266	2,840,966,024	5.8%
1995-1999	14,334,465	62,573,158	289,658,481	279,254,605	102,251,360	28,986,398	777,058,467	1.6%
2000-2004	22,760,717	130,745,506	1,293,577,340	2,352,179,175	3,039,629,922	7,873,123,978	14,712,016,638	30.2%
2005-2009	53,855,638	139,306,086	1,002,471,936	1,683,905,605	730,793,022	19,290,080,623	22,900,412,910	47.0%
2010	12,361,555	75,710,451	374,867,270	419,142,005	337,408,342	---	1,219,489,623	2.5%
2011	15,188,209	48,528,271	226,892,585	402,847,989	---	---	693,457,054	1.4%
2012	22,073,611	78,198,790	368,966,362	387,584,893	115,335,047	---	972,158,703	2.0%
2013	20,167,645	65,178,038	244,572,873	512,605,467	558,735,784	---	1,401,259,807	2.9%
2014	6,471,522	10,640,857	139,195,719	136,359,356	---	272,502,891	565,170,345	1.2%
<b>Total</b>	<b>\$212,058,756</b>	<b>\$785,553,975</b>	<b>\$5,193,606,182</b>	<b>\$7,941,303,953</b>	<b>\$5,685,456,331</b>	<b>\$28,954,336,324</b>	<b>\$48,772,315,521</b>	
<b>Percent of Total</b>	<b>0.4%</b>	<b>1.6%</b>	<b>10.6%</b>	<b>16.3%</b>	<b>11.7%</b>	<b>59.4%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews and establishes termination dates.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

**Table S-15**  
**PBGC Trusteed Plans by Size of Claim and Plan Size (1975-2014)**  
**Single-Employer Program**

Number of Plan Participants	Size of Claim					Total	Percent of Total
	Less Than \$1 Million	\$1 - \$9 Million	\$10 - \$99 Million	\$100 - \$999 Million	\$1 Billion or More		
Fewer Than 25	1,097	47	-	-	-	1,144	24.7%
25-99	1,359	229	2	-	-	1,590	34.3%
100-999	666	793	123	-	-	1,582	34.1%
1,000-4,999	14	68	160	11	-	253	5.5%
5,000-9,999	-	1	14	20	-	35	0.8%
10,000 or More	-	-	7	20	9	36	0.8%
<b>Total</b>	<b>3,136</b>	<b>1,138</b>	<b>306</b>	<b>51</b>	<b>9</b>	<b>4,640</b>	
<b>Percent of Total</b>	<b>67.6%</b>	<b>24.5%</b>	<b>6.6%</b>	<b>1.1%</b>	<b>0.2%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews.

**Table S-16**  
**PBGC Claims by Size of Claim and Plan Size (1975-2014)**  
**Single-Employer Program**

Number of Plan Participants	Size of Claim					Total	Percent of Total
	Less Than \$1 Million	\$1 - \$9 Million	\$10 - \$99 Million	\$100 - \$999 Million	\$1 Billion or More		
Fewer Than 25	\$138,634,997	\$73,423,757	---	---	---	\$212,058,754	0.4%
25-99	322,411,671	439,258,520	\$23,883,782	---	---	785,553,973	1.6%
100-999	254,201,961	2,713,079,111	2,226,325,108	---	---	5,193,606,180	10.6%
1,000-4,999	6,876,575	329,876,135	5,920,902,709	\$1,683,648,537	---	7,941,303,956	16.3%
5,000-9,999	---	6,420,835	776,246,068	4,902,789,428	---	5,685,456,331	11.7%
10,000 or More	---	---	333,797,439	7,890,021,202	\$20,730,517,683	28,954,336,324	59.4%
<b>Total</b>	<b>\$722,125,204</b>	<b>\$3,562,058,358</b>	<b>\$9,281,155,106</b>	<b>\$14,476,459,167</b>	<b>\$20,730,517,683</b>	<b>\$48,772,315,518</b>	
<b>Percent of Total</b>	<b>1.5%</b>	<b>7.3%</b>	<b>19.0%</b>	<b>29.7%</b>	<b>42.5%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

**Table S-17**  
**PBGC Trusteed Plans by Funded Ratio and Plan Size (1975-2014)**  
**Single-Employer Program**

Number of Plan Participants	Funded Ratio				Total	Percent of Total
	Less Than 25%	25%-49%	50%-74%	75% or More		
Fewer Than 25	428	230	206	280	1,144	24.7%
25-99	438	416	421	315	1,590	34.3%
100-999	262	427	603	290	1,582	34.1%
1,000-4,999	34	78	99	42	253	5.5%
5,000-9,999	4	13	15	3	35	0.8%
10,000 or More	1	13	18	4	36	0.8%
<b>Total</b>	<b>1,167</b>	<b>1,177</b>	<b>1,362</b>	<b>934</b>	<b>4,640</b>	
<b>Percent of Total</b>	<b>25.2%</b>	<b>25.4%</b>	<b>29.4%</b>	<b>20.1%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

**Table S-18**  
**PBGC Claims by Funded Ratio and Plan Size (1975-2014)**  
**Single-Employer Program**

Number of Plan Participants	Funded Ratio				Total	Percent of Total
	Less Than 25%	25%-49%	50%-74%	75% or More		
Fewer Than 25	\$111,937,391	\$63,581,673	\$32,119,087	\$4,420,604	\$212,058,755	0.4%
25-99	285,029,648	274,958,129	204,075,786	21,490,410	785,553,973	1.6%
100-999	839,083,239	1,996,801,046	2,119,684,170	238,037,725	5,193,606,180	10.6%
1,000-4,999	1,571,005,734	3,190,421,470	2,984,872,123	195,004,629	7,941,303,956	16.3%
5,000-9,999	826,538,771	2,403,102,441	2,327,526,759	128,288,360	5,685,456,331	11.7%
10,000 or more	779,537,388	19,052,762,361	9,012,478,019	109,558,555	28,954,336,323	59.4%
<b>Total</b>	<b>\$4,413,132,171</b>	<b>\$26,981,627,120</b>	<b>\$16,680,755,944</b>	<b>\$696,800,283</b>	<b>\$48,772,315,518</b>	
<b>Percent of Total</b>	<b>9.0%</b>	<b>55.3%</b>	<b>34.2%</b>	<b>1.4%</b>		<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Claim values and distributions are subject to change as PBGC completes reviews.

Due to rounding of individual items, numbers may not add up to totals.

**Table S-19**  
**PBGC Claims by Industry (1975-2014)**  
**Single-Employer Program**

Industry	Total Claims		Plans		Vested Participants	
<b>AGRICULTURE, MINING, AND CONSTRUCTION</b>	<b>\$744,763,850</b>	<b>1.5%</b>	<b>262</b>	<b>5.6%</b>	<b>46,580</b>	<b>2.1%</b>
<b>MANUFACTURING</b>	<b>28,354,784,409</b>	<b>58.1%</b>	<b>2,782</b>	<b>60.0%</b>	<b>1,317,564</b>	<b>59.7%</b>
Apparel and Textile Mill Products	1,247,973,012	2.6%	203	4.4%	188,020	8.5%
Fabricated Metal Products	1,763,694,010	3.6%	659	14.2%	132,334	6.0%
Food and Tobacco Products	483,179,503	1.0%	180	3.9%	53,193	2.4%
Machinery Manufacturing	1,243,736,682	2.6%	285	6.1%	97,097	4.4%
Motor Vehicle Equipment	7,011,065,833	14.4%	131	2.8%	130,102	5.9%
Primary Metals	12,366,939,058	25.4%	353	7.6%	428,235	19.4%
Rubber and Miscellaneous Plastics	517,006,837	1.1%	123	2.7%	38,169	1.7%
Other Manufacturing	3,721,189,474	7.6%	848	18.3%	250,414	11.3%
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	<b>14,464,249,405</b>	<b>29.7%</b>	<b>206</b>	<b>4.4%</b>	<b>379,375</b>	<b>17.2%</b>
Air Transportation	14,027,015,559	28.8%	43	0.9%	340,721	15.4%
Other Transportation and Utilities	437,233,846	0.9%	163	3.5%	38,654	1.8%
<b>INFORMATION</b>	<b>256,435,935</b>	<b>0.5%</b>	<b>65</b>	<b>1.4%</b>	<b>15,322</b>	<b>0.7%</b>
<b>WHOLESALE TRADE</b>	<b>516,224,568</b>	<b>1.1%</b>	<b>290</b>	<b>6.3%</b>	<b>42,004</b>	<b>1.9%</b>
<b>RETAIL TRADE</b>	<b>703,703,807</b>	<b>1.4%</b>	<b>333</b>	<b>7.2%</b>	<b>152,323</b>	<b>6.9%</b>
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	<b>1,042,221,194</b>	<b>2.1%</b>	<b>147</b>	<b>3.2%</b>	<b>84,516</b>	<b>3.8%</b>
<b>SERVICES</b>	<b>2,689,932,351</b>	<b>5.5%</b>	<b>555</b>	<b>12.0%</b>	<b>169,448</b>	<b>7.7%</b>
<b>TOTAL</b>	<b>\$48,772,315,518</b>	<b>100.0%</b>	<b>4,640</b>	<b>100.0%</b>	<b>2,207,132</b>	<b>100.0%</b>

Source: PBGC Fiscal Year Closing File.

For purposes of this chart, claims are defined to include the excess of liabilities over assets without regard to recoveries from plan sponsors.

Values and distributions are subject to change as PBGC completes reviews.

Industry classifications for PBGC claims are based on the principal business activity codes used in the North American Industry Classification System.

Due to rounding of individual items, numbers and percentages may not add up to totals.

**Table S-20**  
**PBGC Benefit Payments, Payees, and Deferred Payees (1980-2014)**  
**Single-Employer Program**

Fiscal Year	Periodic Pension Payments				Lump-Sum Payments			All Payments		Deferred Payees (in thousands)
	Total (in millions)	Payees in Year (in thousands)	Average Monthly Payment	Median Monthly Payment	Total (in millions)	Payees in Year (in thousands)	Average Payment	Total (in millions)	Payees in Year (in thousands)	
1980	\$34	28	\$124	\$91	\$3	2	\$1,623	\$37	30	25
1985	166	75	226	128	4	2	1,782	170	77	92
1990	356	110	262	184	13	6	2,437	369	116	85
1995	739	182	344	232	22	6	3,335	761	187	163
1996	770	199	328	225	20	7	2,757	790	206	182
1997	800	204	316	212	23	9	2,629	823	213	202
1998	826	208	313	208	21	9	2,198	847	216	213
1999	844	214	311	208	56	16	3,553	901	229	225
2000	831	226	309	206	71	19	3,726	902	243	226
2001	954	266	325	208	88	18	4,817	1,042	283	246
2002	1,458	343	383	242	79	21	3,757	1,537	362	326
2003	2,401	457	453	275	87	22	4,220	2,488	477	375
2004	2,918	517	475	281	88	21	4,229	3,006	533	424
2005	3,607	683	487	286	78	17	4,633	3,685	698	489
2006	4,011	612	531	296	71	13	5,145	4,082	622	520
2007	4,179	630	539	281	87	17	5,154	4,266	645	534
2008	4,211	639	534	289	81	17	4,828	4,292	653	495
2009	4,409	743	598	305	69	12	4,289	4,478	754	565
2010	5,361	746	594	316	106	16	6,661	5,467	758	614
2011	5,172	775	579	287	168	48	3,517	5,340	781	595
2012	5,299	781	559	284	85	39	2,198	5,384	786	590
2013	5,386	799	539	283	63	39	1,600	5,449	801	600
2014	5,436	812	539	283	86	39	2,014	5,522	815	488

Sources: PBGC Participant System (PRISM), fiscal year calculations, PBGC Management Reports, and PBGC Benefit Payment Reports.

Lump-sum payments include cash-outs of pensions with de minimis present values and back payments to current pensioners.

Since some payees received both pensions and lump-sum payments, total number of payees may be less than the sum of pensioners and lump-sum recipients.

Excludes participants in plans that are in probable termination status as of end of fiscal year.

Due to rounding of individual items, numbers may not add up across columns.

**Table S-21**  
**PBGC Payees and Benefit Payments by Date of Plan Termination (2014)**  
**Single-Employer Program**

Fiscal Year of Plan Termination	Payees in 2014		Benefit Payments in 2014 <i>(in millions)</i>		Average Monthly Pension	Median Monthly Pension	Deferred Payees in 2014
Prior to 1980	3,996	0.5%	\$4.9	0.1%	\$106	\$84	987
1980 to 1984	18,174	2.2%	44.8	0.8%	197	160	1,958
1985 to 1989	30,954	3.8%	103.8	1.9%	264	196	3,527
1990 to 1994	83,172	10.2%	348.8	6.3%	327	238	6,227
1995	7,253	0.9%	27.3	0.5%	297	165	2,355
1996	9,231	1.1%	25.6	0.5%	221	126	2,932
1997	12,516	1.5%	43.3	0.8%	273	198	5,142
1998	4,364	0.5%	14.3	0.3%	259	157	2,971
1999	8,697	1.1%	26.5	0.5%	241	156	10,148
2000	8,642	1.1%	25.1	0.5%	232	130	2,672
2001	47,499	5.8%	282.5	5.1%	460	279	18,471
2002	92,545	11.4%	535.7	9.7%	451	285	27,626
2003	96,777	11.9%	861.2	15.6%	693	410	28,637
2004	65,500	8.0%	338.2	6.1%	405	233	31,886
2005	109,699	13.5%	1,096.0	19.8%	777	453	101,323
2006	21,094	2.6%	276.3	5.0%	1,023	437	14,689
2007	12,579	1.5%	56.2	1.0%	351	193	10,720
2008	9,407	1.2%	46.5	0.8%	390	216	9,917
2009	101,403	12.4%	1,028.7	18.6%	777	452	103,149
2010	24,509	3.0%	134.2	2.4%	449	274	26,318
2011	12,644	1.6%	72.8	1.3%	466	280	18,164
2012	10,200	1.3%	62.7	1.1%	500	253	17,928
2013	13,750	1.7%	66.5	1.2%	633	405	22,173
2014	10,377	1.3%	0.4	0.0%	534	391	18,400
<b>Total</b>	<b>814,984</b>	<b>100.0%</b>	<b>\$5,522.1</b>	<b>100.0%</b>	<b>\$539</b>	<b>\$283</b>	<b>488,319</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.  
Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.



**Table S-22**  
**PBGC Payees and Benefit Payments by Size of Trusteed Plan (2014)**  
**Single-Employer Program**

Number of Plan Participants	Payees		Payments <i>(in millions)</i>		Average Monthly Pension Payment	Median Monthly Pension Payment
Fewer Than 100	42,462	5.2%	\$136.3	2.5%	\$271	\$146
100 - 499	103,169	12.7%	383.0	7.0%	315	195
500 - 999	65,284	8.0%	273.3	5.0%	353	210
1,000 - 4,999	201,490	24.8%	944.3	17.4%	399	235
5,000 - 9,999	108,658	13.4%	828.4	15.2%	648	403
10,000 - 24,999	120,159	14.8%	1,208.3	22.2%	832	351
25,000 or More	170,834	21.0%	1,662.8	30.6%	795	640
<b>Total</b>	<b>812,055</b>	<b>100.0%</b>	<b>\$5,436.3</b>	<b>100.0%</b>	<b>\$539</b>	<b>\$283</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

Numbers in table include periodic payees only.

**Table S-23**  
**Total PBGC Payees and Average Benefit Payments by Age and Gender (Fiscal Year 2014)**  
**Single-Employer Program**

Age	Total Periodic Payees			Male			Female		
	Payees		Average Monthly Pension	Payees		Average Monthly Pension	Payees		Average Monthly Pension
Younger Than 60	45,042	5.5%	\$489	23,963	5.1%	\$576	21,080	6.1%	\$388
60 - 64	105,414	13.0%	603	63,887	13.7%	691	41,533	12.0%	467
65 - 69	178,014	21.9%	621	107,567	23.1%	714	70,456	20.3%	478
70 - 74	158,203	19.5%	622	97,567	21.0%	748	60,638	17.5%	413
75 - 79	124,401	15.3%	597	74,062	15.9%	770	50,340	14.5%	331
80 - 84	96,854	11.9%	532	52,773	11.3%	735	44,077	12.7%	276
85 and Older	104,127	12.8%	416	45,789	9.8%	642	58,323	16.8%	233
<b>Total</b>	<b>812,055</b>	<b>100.0%</b>	<b>\$539</b>	<b>465,607</b>	<b>100.0%</b>	<b>\$716</b>	<b>346,448</b>	<b>100.0%</b>	<b>\$373</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

Numbers in table include periodic payees only.

Ages are calculated as of the last day of the fiscal year.

Beginning in fiscal year 2014 the percentages displayed represent the proportion of each age group within each gender.

**Table S-24**  
**PBGC Retired Payees and Average Benefit Payments,**  
**by Age and Gender (Fiscal Year 2014)**  
**Single-Employer Program**

Age	Total Retired (Participant) Payees			Male			Female		
	Payees		Average Monthly Pension	Payees		Average Monthly Pension	Payees		Average Monthly Pension
Younger Than 60	35,626	5.3%	\$523	22,756	5.0%	\$589	12,870	6.1%	\$403
60 - 64	94,261	14.2%	631	62,934	13.9%	697	31,327	14.8%	500
65 - 69	159,373	23.9%	651	105,806	23.3%	720	53,567	25.2%	511
70 - 74	135,041	20.3%	670	95,191	21.0%	758	39,850	18.8%	455
75 - 79	98,493	14.8%	673	71,261	15.7%	785	27,232	12.8%	366
80 - 84	72,595	10.9%	624	51,396	11.3%	748	21,199	10.0%	303
85 and Older	70,577	10.6%	508	44,313	9.8%	656	26,264	12.4%	244
<b>Total</b>	<b>665,966</b>	<b>100.0%</b>	<b>\$632</b>	<b>453,657</b>	<b>100.0%</b>	<b>\$726</b>	<b>212,309</b>	<b>100.0%</b>	<b>\$422</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

Numbers in table include periodic payees only.

Ages are calculated as of the last day of the fiscal year.

Beginning in fiscal year 2014 the percentages displayed represent the proportion of each age group within each gender.

**Table S-25**  
**PBGC Beneficiary Payees and Average Benefit Payments**  
**by Age and Gender (Fiscal Year 2014)**  
**Single-Employer Program**

Age	Total Beneficiary Payees			Male			Female		
	Payees		Average Monthly Pension	Payees		Average Monthly Pension	Payees		Average Monthly Pension
Younger Than 60	9,418	6.4%	\$357	1,203	10.1%	\$304	8,215	6.1%	\$364
60 - 64	11,160	7.6%	357	940	7.9%	268	10,220	7.6%	365
65 - 69	18,652	12.8%	360	1,740	14.7%	290	16,912	12.6%	367
70 - 74	23,162	15.9%	326	2,357	19.9%	297	20,805	15.5%	329
75 - 79	25,907	17.7%	295	2,788	23.5%	348	23,119	17.2%	289
80 - 84	24,253	16.6%	248	1,367	11.5%	186	22,886	17.1%	252
85 and Older	33,537	23.0%	223	1,467	12.4%	173	32,070	23.9%	225
<b>Total</b>	<b>146,089</b>	<b>100.0%</b>	<b>\$293</b>	<b>11,862</b>	<b>100.0%</b>	<b>\$280</b>	<b>134,227</b>	<b>100.0%</b>	<b>\$294</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

Numbers in table include periodic payees only.

Ages are calculated as of the last day of the fiscal year.

Beginning in fiscal year 2014 the percentages displayed represent the proportion of each age group within each gender.

**Table S-26**  
**Total PBGC Payees and Benefit Payments by Size of Monthly Payment (2014)**  
**Single-Employer Program**

<b>Monthly Payment</b>	<b>Total Payees</b>		<b>Total Pension Payments</b>	
Less Than \$50	39,941	4.9%	\$5,537,862	0.1%
\$50 - \$99	108,419	13.4%	104,665,695	1.9%
\$100 - \$149	95,901	11.8%	145,744,828	2.7%
\$150 - \$199	71,063	8.8%	151,256,930	2.8%
\$200 - \$249	58,506	7.2%	160,654,549	3.0%
\$250 - \$299	44,221	5.4%	149,744,826	2.8%
\$300 - \$349	39,849	4.9%	159,419,561	2.9%
\$350 - \$399	30,459	3.8%	141,427,957	2.6%
\$400 - \$449	28,816	3.5%	151,526,352	2.8%
\$450 - \$499	23,515	2.9%	138,794,034	2.6%
\$500 - \$549	22,442	2.8%	146,538,479	2.7%
\$550 - \$599	18,848	2.3%	135,174,877	2.5%
\$600 - \$749	45,411	5.6%	378,960,939	7.0%
\$750 - \$999	50,225	6.2%	535,965,588	9.9%
\$1,000 - \$1,499	68,109	8.4%	1,031,770,561	19.0%
\$1,500 - \$1,999	37,034	4.6%	777,246,114	14.3%
\$2,000 - \$2,499	13,732	1.7%	373,947,373	6.9%
\$2,500 or More	15,565	1.9%	747,920,566	13.8%
<b>Total</b>	<b>812,055</b>	<b>100.0%</b>	<b>\$5,436,297,090</b>	<b>100.0%</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

Numbers in table include periodic payees only.

**Table S-27**  
**PBGC Retired Payees and Benefit Payments by Size of Monthly Payment (2014)**  
**Single-Employer Program**

Monthly Payment	Retired Payees		Total Pension Payments	
Less Than \$50	28,393	4.3%	\$4,150,727	0.1%
\$50 - \$99	70,826	10.6%	67,766,543	1.4%
\$100 - \$149	70,589	10.6%	108,014,552	2.2%
\$150 - \$199	56,781	8.5%	121,162,601	2.4%
\$200 - \$249	48,233	7.2%	132,317,253	2.7%
\$250 - \$299	36,457	5.5%	123,775,694	2.5%
\$300 - \$349	33,687	5.0%	135,121,983	2.7%
\$350 - \$399	26,067	3.9%	121,642,649	2.5%
\$400 - \$449	25,181	3.8%	132,988,735	2.7%
\$450 - \$499	20,673	3.1%	122,591,290	2.5%
\$500 - \$549	19,932	3.0%	130,794,698	2.6%
\$550 - \$599	16,790	2.5%	120,897,496	2.4%
\$600 - \$749	40,894	6.1%	342,550,804	6.9%
\$750 - \$999	45,545	6.8%	487,393,506	9.8%
\$1,000 - \$1,499	64,224	9.6%	975,917,227	19.7%
\$1,500 - \$1,999	35,805	5.4%	751,499,875	15.2%
\$2,000 - \$2,499	13,154	2.0%	357,985,009	7.2%
\$2,500 or More	14,833	2.2%	716,033,267	14.5%
<b>Total</b>	<b>668,064</b>	<b>100.0%</b>	<b>\$4,952,603,909</b>	<b>100.0%</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

Numbers in table include periodic payees only.

**Table S-28**  
**PBGC Beneficiary Payees and Benefit Payments by Size of Monthly Payment (2014)**  
**Single-Employer Program**

Monthly Payment	Beneficiary Payees		Total Pension Payments	
Less Than \$50	11,548	8.0%	\$1,387,135	0.3%
\$50 - \$99	37,593	26.1%	36,899,153	7.6%
\$100 - \$149	25,312	17.6%	37,730,276	7.8%
\$150 - \$199	14,282	9.9%	30,094,329	6.2%
\$200 - \$249	10,272	7.1%	28,337,296	5.9%
\$250 - \$299	7,764	5.4%	25,969,131	5.4%
\$300 - \$349	6,162	4.3%	24,297,578	5.0%
\$350 - \$399	4,393	3.1%	19,785,308	4.1%
\$400 - \$449	3,634	2.5%	18,537,617	3.8%
\$450 - \$499	2,842	2.0%	16,202,744	3.3%
\$500 - \$549	2,510	1.7%	15,743,781	3.3%
\$550 - \$599	2,058	1.4%	14,277,381	3.0%
\$600 - \$749	4,518	3.1%	36,410,135	7.5%
\$750 - \$999	4,680	3.3%	48,572,082	10.0%
\$1,000 - \$1,499	3,885	2.7%	55,853,334	11.5%
\$1,500 - \$1,999	1,228	0.9%	25,746,239	5.3%
\$2,000 - \$2,499	577	0.4%	15,962,363	3.3%
\$2,500 or More	732	0.5%	31,887,299	6.6%
<b>Total</b>	<b>143,991</b>	<b>100.0%</b>	<b>\$483,693,181</b>	<b>100.0%</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

Numbers in table include periodic payees only.

**Table S-29**  
**PBGC Payees and Benefit Payments by Industry (2014)**  
**Single-Employer Program**

Industry	Payees		Benefit Payments		Mean Monthly Pension	Median Monthly Pension
<b>AGRICULTURE, MINING, AND CONSTRUCTION</b>	<b>15,724</b>	<b>1.9%</b>	<b>\$86,320,410</b>	<b>1.6%</b>	<b>\$440</b>	<b>\$258</b>
<b>MANUFACTURING</b>	<b>523,575</b>	<b>64.5%</b>	<b>3,124,969,926</b>	<b>57.5%</b>	<b>483</b>	<b>256</b>
Apparel and Textile Mill Products	68,882	8.5%	150,594,781	2.8%	185	102
Fabricated Metal Products	45,975	5.7%	188,836,272	3.5%	345	222
Food and Tobacco Products	13,894	1.7%	38,703,046	0.7%	255	161
Machinery and Computer Equipment	35,827	4.4%	181,663,712	3.3%	400	225
Motor Vehicle Equipment	57,842	7.1%	750,233,182	13.8%	978	911
Primary Metals	205,157	25.3%	1,405,917,147	25.9%	548	358
Rubber and Miscellaneous Plastics	12,083	1.5%	44,897,654	0.8%	300	201
Other Manufacturing	83,915	10.3%	364,124,132	6.7%	394	233
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	<b>154,144</b>	<b>19.0%</b>	<b>1,645,539,460</b>	<b>30.3%</b>	<b>839</b>	<b>481</b>
Air Transportation	143,064	17.6%	1,591,678,620	29.3%	873	510
Other Transportation	11,025	1.4%	53,734,144	1.0%	399	202
Public Utilities	55	*	126,696	*	188	144
<b>INFORMATION</b>	<b>5,551</b>	<b>0.7%</b>	<b>20,201,178</b>	<b>0.4%</b>	<b>330</b>	<b>204</b>
<b>WHOLESALE TRADE</b>	<b>11,807</b>	<b>1.5%</b>	<b>49,554,824</b>	<b>0.9%</b>	<b>342</b>	<b>207</b>
<b>RETAIL TRADE</b>	<b>34,541</b>	<b>4.3%</b>	<b>101,018,258</b>	<b>1.9%</b>	<b>247</b>	<b>155</b>
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	<b>24,089</b>	<b>3.0%</b>	<b>173,456,303</b>	<b>3.2%</b>	<b>591</b>	<b>341</b>
<b>SERVICES</b>	<b>41,248</b>	<b>5.1%</b>	<b>225,302,661</b>	<b>4.1%</b>	<b>453</b>	<b>251</b>
Health Care	25,194	3.1%	140,560,738	2.6%	466	284
Other Services	16,054	2.0%	84,741,923	1.6%	433	209
<b>NON-PROFIT ORGANIZATIONS</b>	<b>1,375</b>	<b>0.2%</b>	<b>9,934,070</b>	<b>0.2%</b>	<b>610</b>	<b>318</b>
<b>TOTAL</b>	<b>812,055</b>	<b>100.0%</b>	<b>\$5,436,297,090</b>	<b>100.0%</b>	<b>\$539</b>	<b>\$283</b>

Sources: PBGC Participant System (PRISM), fiscal year calculations, and PBGC Management Reports.

Due to rounding of individual items, numbers and percentages may not add up to totals.

Industry classifications are based on principal business activity code used in the North American Industry Classification System.

\*Less than 0.05 of one percent.



**Table S-30**

**PBGC-Insured Plan Participants (1980-2014)**

**Single-Employer Program**

<b>Year</b>	<b>Total Insured Participants (in thousands)</b>	<b>In Plans with 10,000 or more Participants (in thousands)</b>	<b>In Plans with 5,000-9,999 Participants (in thousands)</b>	<b>In Plans with 1,000-4,999 Participants (in thousands)</b>	<b>In Plans with 250-999 Participants (in thousands)</b>	<b>In Plans with 100-249 Participants (in thousands)</b>	<b>In Plans with 25-99 Participants (in thousands)</b>	<b>In Plans with Fewer Than 25 Participants (in thousands)</b>
1980	27,518	12,044	2,833	5,776	3,852	1,436	1,064	513
1985	29,809	12,724	3,164	6,579	4,032	1,585	1,164	561
1990	31,633	14,336	3,351	6,989	4,064	1,429	1,023	441
1995	32,634	16,934	3,771	6,908	3,136	1,062	625	198
1996	32,724	17,076	3,843	6,896	3,128	1,005	591	185
1997	33,214	18,046	3,787	6,767	3,008	919	527	160
1998	33,545	18,568	3,905	6,719	2,883	847	476	147
1999	33,804	19,591	3,869	6,355	2,662	776	422	130
2000	34,108	20,337	3,738	6,225	2,569	733	387	119
2001	34,342	21,100	3,661	6,045	2,408	673	346	110
2002	34,248	21,573	3,537	5,846	2,263	605	322	102
2003	34,407	21,947	3,609	5,682	2,164	593	310	100
2004	34,523	22,378	3,603	5,491	2,083	565	304	100
2005	34,232	22,293	3,607	5,373	2,013	550	297	98
2006	33,933	22,143	3,705	5,196	1,974	530	289	96
2007	33,892	22,149	3,756	5,149	1,929	523	289	97
2008	33,888	22,251	3,703	5,164	1,888	504	282	96
2009	33,833	22,452	3,637	5,105	1,800	480	266	93
2010	33,447	22,555	3,504	4,903	1,689	452	254	89
2011	33,388	22,811	3,447	4,752	1,617	434	241	85
2012	32,516	22,313	3,417	4,566	1,499	407	233	82
2013	31,900	21,913	3,353	4,468	1,468	393	225	80
2014	30,926	21,231	3,275	4,366	1,409	370	205	71

Source: PBGC Premium Filings.

Due to rounding of individual items, numbers may not add up across columns.

**Table S-31  
PBGC-Insured Plans (1980-2014)  
Single-Employer Program**

Year	Total Insured Plans	Insured Plans with 10,000 or more Participants	Insured Plans with 5,000-9,999 Participants	Insured Plans with 1,000-4,999 Participants	Insured Plans with 250-999 Participants	Insured Plans with 100-249 Participants	Insured Plans with 25-99 Participants	Insured Plans with Fewer Than 25 Participants
1980	95,439	349	365	2,858	7,439	8,512	19,069	56,847
1985	112,208	354	435	3,125	8,230	10,003	22,609	67,452
1990	91,899	458	477	3,400	8,085	8,976	19,464	51,039
1995	53,589	528	559	3,308	6,743	6,850	11,674	23,927
1996	48,748	531	556	3,280	6,217	6,225	10,931	21,008
1997	43,902	563	550	3,199	5,962	5,734	9,822	18,072
1998	41,462	570	565	3,139	5,693	5,255	8,788	17,452
1999	37,536	603	555	2,933	5,271	4,803	7,779	15,592
2000	35,373	621	531	2,875	5,056	4,536	7,150	14,604
2001	32,954	644	522	2,787	4,757	4,154	6,335	13,755
2002	31,229	632	505	2,671	4,461	3,742	5,875	13,343
2003	30,611	621	514	2,569	4,238	3,662	5,705	13,302
2004	30,148	627	510	2,478	4,083	3,483	5,616	13,351
2005	29,605	618	509	2,404	3,935	3,379	5,493	13,267
2006	28,923	592	525	2,337	3,850	3,272	5,341	13,006
2007	29,255	595	533	2,336	3,768	3,204	5,352	13,467
2008	28,876	591	524	2,339	3,700	3,090	5,253	13,379
2009	27,797	595	514	2,311	3,534	2,960	4,977	12,906
2010	26,377	570	492	2,200	3,313	2,777	4,796	12,229
2011	25,607	580	488	2,142	3,189	2,681	4,561	11,966
2012	24,215	568	484	2,053	2,976	2,506	4,408	11,220
2013	23,399	561	471	1,997	2,903	2,423	4,260	10,784
2014	22,344	545	462	1,951	2,771	2,266	3,871	10,478

Source: PBGC Premium Filings.

**Table S-32**  
**PBGC-Insured Plan Participants by Participant Status (1980-2013)**  
**Single-Employer Program**

Year	Active Participants	Retired Participants	Separated Vested Participants
1980	77.6%	16.0%	6.4%
1985	72.2%	18.7%	9.1%
1990	68.1%	19.4%	12.6%
1995	57.8%	22.9%	19.3%
1996	55.3%	23.0%	21.8%
1997	54.7%	23.7%	21.5%
1998	54.2%	23.8%	22.0%
1999	53.7%	23.9%	22.4%
2000	51.9%	24.4%	23.7%
2001	51.3%	24.6%	24.1%
2002	49.8%	25.2%	25.0%
2003	48.6%	25.4%	26.0%
2004	47.2%	26.1%	26.7%
2005	45.7%	26.6%	27.6%
2006	44.8%	27.1%	28.1%
2007	43.5%	27.8%	28.7%
2008	43.3%	28.0%	28.7%
2009	40.2%	29.4%	30.4%
2010	38.5%	30.9%	30.6%
2011	37.8%	31.7%	30.5%
2012	36.9%	33.3%	29.8%
2013	36.9%	32.9%	30.2%

*Source: Internal Revenue Service Form 5500 Series Filings.*

*Data for plan years prior to 1999 include only plans with 100 or more participants.*

*Due to rounding of individual items, percentages may not add up to 100%.*

*Figures for 2012 and beyond are estimates from PBGC internal calculations.*

**Table S-33**  
**PBGC-Insured Active Participants**  
**as a Percent of Private-Sector Wage and Salary Workers**  
**(1980-2013)**

Year	Private-Sector Wage and Salary Workers (in thousands)	Percentage of Private-Sector Wage and Salary Workers		
		Single-Employer Active Participants	Multiemployer Active Participants	Total PBGC-Insured Active Participants
1980	74,095	28.8%	8.2%	37.0%
1985	82,180	26.2%	6.6%	32.8%
1990	89,614	24.0%	5.6%	29.6%
1991	88,875	23.8%	5.4%	29.1%
1992	90,372	22.8%	5.2%	28.0%
1993	92,399	21.6%	5.0%	26.6%
1994	95,595	20.7%	4.7%	25.4%
1995	96,429	19.6%	4.7%	24.2%
1996	98,896	18.3%	4.6%	22.9%
1997	101,999	17.8%	4.5%	22.3%
1998	103,698	17.5%	4.4%	21.9%
1999	105,707	17.2%	4.3%	21.5%
2000	108,097	16.4%	4.3%	20.7%
2001	106,747	16.5%	4.4%	20.9%
2002	106,687	16.0%	4.3%	20.3%
2003	108,331	15.4%	4.2%	19.7%
2004	109,462	14.9%	4.1%	19.0%
2005	112,422	13.9%	4.0%	17.9%
2006	114,520	13.3%	3.9%	17.2%
2007	115,524	12.8%	3.9%	16.6%
2008	112,265	13.1%	4.0%	17.0%
2009	107,103	12.7%	4.0%	16.7%
2010	108,986	11.8%	3.7%	15.6%
2011	110,672	11.1%	3.6%	14.7%
2012	112,600	10.5%	3.5%	13.9%
2013	114,932	10.2%	3.3%	13.6%

Sources: PBGC Pension Insurance Data Book Tables S-30, S-32, M-5 and M-7 and data on employed wage and salary workers from Labor Force Statistics from the Current Population Survey (Bureau of Labor Statistics, U.S. Department of Labor).

Due to rounding of individual items, percentages may not add up across columns.

**Table S-34**  
**PBGC-Insured Hybrid Plans by Plan Size (2001-2013)**  
**Single-Employer Program**

Beginning of Year	Total Insured Plans			Insured Plans with 5,000 or More Participants			Insured Plans with 1,000-4,999 Participants			Insured Plans with Fewer Than 1,000 Participants		
	Total Plans	Hybrid Plans	Percent Hybrid	Total Plans	Hybrid Plans	Percent Hybrid	Total Plans	Hybrid Plans	Percent Hybrid	Total Plans	Hybrid Plans	Percent Hybrid
2001	32,954	1,227	3.7%	1,166	256	22.0%	2,787	290	10.4%	29,001	681	2.3%
2002	31,229	1,308	4.2%	1,137	263	23.1%	2,671	310	11.6%	27,421	735	2.7%
2003	30,611	1,541	5.0%	1,135	303	26.7%	2,569	326	12.7%	26,907	912	3.4%
2004	30,148	1,756	5.8%	1,137	342	30.1%	2,478	338	13.6%	26,533	1,076	4.1%
2005	29,605	1,944	6.6%	1,127	342	30.3%	2,404	331	13.8%	26,074	1,271	4.9%
2006	28,923	2,116	7.3%	1,117	352	31.5%	2,337	347	14.8%	25,469	1,417	5.6%
2007	29,255	2,439	8.3%	1,128	356	31.6%	2,336	350	15.0%	25,791	1,733	6.7%
2008	28,876	3,396	11.8%	1,115	357	32.0%	2,339	357	15.3%	25,422	2,682	10.5%
2009	27,797	3,251	11.7%	1,109	376	33.9%	2,311	364	15.8%	24,377	2,511	10.3%
2010	26,377	3,606	13.7%	1,062	389	36.6%	2,200	371	16.9%	23,115	2,846	12.3%
2011	25,607	3,996	15.6%	1,068	392	36.7%	2,142	376	17.6%	22,397	3,228	14.4%
2012	24,215	4,334	17.9%	1,052	399	37.9%	2,053	375	18.3%	21,110	3,560	16.9%
2013	23,399	4,814	20.6%	1,032	407	39.4%	1,997	383	19.2%	20,370	4,024	19.8%

Source: Internal Revenue Service Form 5500 Series Filings.

Hybrid plans incorporate elements of both defined benefit and defined contribution plans but are treated as defined benefit plans. They often express benefits in terms of an account balance. The two most common types of hybrid plans are Cash Balance Plans and Pension Equity Plans.

**Table S-35**  
**PBGC-Insured Hybrid Plan Participants by Plan Size (2001-2013)**  
**Single-Employer Program**

Beginning of Year	Total Insured Plans			Insured Plans with 5,000 or More Participants			Insured Plans with 1,000-4,999 Participants			Insured Plans with Fewer Than 1,000 Participants		
	Total Participants <i>(in thousands)</i>	Participants in Hybrid Plans <i>(in thousands)</i>	% in Hybrid Plans	Total Participants <i>(in thousands)</i>	Participants in Hybrid Plans <i>(in thousands)</i>	% in Hybrid Plans	Total Participants <i>(in thousands)</i>	Participants in Hybrid Plans <i>(in thousands)</i>	% in Hybrid Plans	Total Participants <i>(in thousands)</i>	Participants in Hybrid Plans <i>(in thousands)</i>	% in Hybrid Plans
2001	34,342	7,034	20.5%	24,761	6,180	25.0%	6,045	698	11.5%	3,536	156	4.4%
2002	34,248	7,915	23.1%	25,110	6,999	27.9%	5,846	763	13.1%	3,292	153	4.6%
2003	34,407	8,475	24.6%	25,556	7,530	29.5%	5,682	789	13.9%	3,168	156	4.9%
2004	34,523	9,993	28.9%	25,981	8,979	34.6%	5,491	837	15.2%	3,051	177	5.8%
2005	34,232	10,333	30.2%	25,900	9,328	36.0%	5,373	821	15.3%	2,959	184	6.2%
2006	33,933	10,326	30.4%	25,848	9,284	35.9%	5,196	853	16.4%	2,889	189	6.5%
2007	33,892	10,921	32.2%	25,905	9,842	38.0%	5,149	874	17.0%	2,838	205	7.2%
2008	33,888	10,687	31.5%	25,954	9,569	36.9%	5,164	878	17.0%	2,770	240	8.7%
2009	33,833	11,602	34.3%	26,089	10,473	40.1%	5,105	896	17.5%	2,639	232	8.8%
2010	33,447	12,490	37.3%	26,059	11,344	43.5%	4,903	905	18.5%	2,484	241	9.7%
2011	33,388	12,642	37.9%	26,259	11,486	43.7%	4,752	914	19.2%	2,377	242	10.2%
2012	32,516	12,469	38.3%	25,730	11,329	44.0%	4,566	900	19.7%	2,221	239	10.8%
2013	31,900	12,843	40.3%	25,266	11,644	46.1%	4,468	941	21.1%	2,166	258	11.9%

Source: Internal Revenue Service Form 5500 Series Filings.

Hybrid plans incorporate elements of both defined benefit and defined contribution plans but are treated as defined benefit plans. They often express benefits in terms of an account balance. The two most common types of hybrid plans are Cash Balance Plans and Pension Equity Plans. Because most hybrid plans converted from traditional defined benefit plans, not all participants will receive benefits based on the hybrid plan design.

**Table S-36**  
**PBGC-Insured Plans by Status of Benefit Accruals**  
**and Participation Freeze (2008-2013)**  
**Single-Employer Program**

Beginning of Plan Year	With Accrual or Participation Freeze Provision					No Accrual or Participation Freeze	Total
	Total With Provision	Hard-Frozen*	Accruals Continue, But Closed to New Entrants	Partially-Frozen and Closed to New Entrants**	Partially-Frozen and Open to New Entrants**		
<b>Number of Plans</b>							
2008	8,059	6,072	1,053	574	360	20,817	28,876
2009	9,346	7,143	1,158	655	390	18,451	27,797
2010	9,976	7,722	1,171	675	408	16,401	26,377
2011	10,220	7,738	1,362	740	380	15,387	25,607
2012	9,781	7,387	1,382	684	328	14,434	24,215
2013	9,270	6,954	1,351	649	316	14,129	23,399
<b>Percent of Plans</b>							
2008	27.9%	21.0%	3.6%	2.0%	1.2%	72.1%	100.0%
2009	33.6%	25.7%	4.2%	2.4%	1.4%	66.4%	100.0%
2010	37.8%	29.3%	4.4%	2.6%	1.5%	62.2%	100.0%
2011	39.9%	30.2%	5.3%	2.9%	1.5%	60.1%	100.0%
2012	40.4%	30.5%	5.7%	2.8%	1.4%	59.6%	100.0%
2013	39.6%	29.7%	5.8%	2.8%	1.4%	60.4%	100.0%

Source: PBGC Premium Filings.

\*Hard-frozen plans are plans where no participants are receiving new benefit accruals for additional service or higher compensation.

\*\*Includes plans where only service is frozen, or pay and/or service is frozen for some participants.

<b>Table S-37</b> <b>Active Participants in PBGC-Insured Plans by Status of Benefit</b> <b>Accruals and Whether a Plan is Open to New Entrants (2008-2013)</b> <b>Single-Employer Program</b>								
Beginning of Plan Year	Complete or Partial Accrual Freeze				No Accrual Freeze			Total Active Participants
	Hard-Frozen*	Accruals partially frozen and closed to new entrants**	Accruals partially frozen and open to new entrants**	Sub-Total (Active Participants in Frozen Plans)	Plan closed to new entrants	Plan open to new entrants	Sub Total (Active Participants in Non-Frozen Plans)	
<b>Number of Active Participants</b>								
(in thousands)								
2008	1,202	819	521	2,542	1,357	10,586	11,943	14,485
2009	1,418	736	468	2,622	1,361	9,649	11,011	13,633
2010	1,728	969	554	3,250	1,425	8,943	10,368	13,618
2011	1,533	1,040	585	3,158	1,447	8,017	9,463	12,621
2012	1,646	1,016	564	3,226	1,491	7,281	8,772	11,998
2013	2,065	1,063	694	3,822	1,473	6,476	7,949	11,771
<b>Percent of Active Participants</b>								
2008	8.3%	5.7%	3.6%	17.5%	9.4%	73.1%	82.5%	100.0%
2009	10.4%	5.4%	3.4%	19.2%	10.0%	70.8%	80.8%	100.0%
2010	12.7%	7.1%	4.1%	23.9%	10.5%	65.7%	76.1%	100.0%
2011	12.1%	8.2%	4.6%	24.9%	11.5%	63.5%	75.1%	100.0%
2012	13.7%	8.5%	4.7%	26.9%	12.4%	60.7%	73.1%	100.0%
2013	17.5%	9.0%	5.9%	32.5%	12.5%	55.0%	67.5%	100.0%

Sources: PBGC Premium Filings and Internal Revenue Service Form 5500 Series Filings.

\*Hard-frozen plans are plans where no participants are receiving new benefit accruals.

\*\*Includes plans where only service is frozen, or accruals are hard-frozen for some participants.



**Table S-38**  
**PBGC-Insured Plans, Participants and Premiums by Industry (2013)**  
**Single-Employer Program**

Industry	Insured Plans		Insured Participants <i>(in thousands)</i>		Premiums	
	Count	Percentage	Count	Percentage	Amount	Percentage
<b>AGRICULTURE, MINING, AND CONSTRUCTION</b>	<b>1,961</b>	<b>8.4%</b>	<b>539</b>	<b>1.7%</b>	<b>\$48,669,470</b>	<b>1.7%</b>
<b>MANUFACTURING</b>	<b>5,372</b>	<b>23.0%</b>	<b>13,974</b>	<b>43.8%</b>	<b>1,394,801,683</b>	<b>47.4%</b>
Chemical and Allied Products	514	2.2%	1,728	5.4%	184,716,752	6.3%
Fabricated Metal Products	851	3.6%	488	1.5%	50,711,876	1.7%
Food, Beverage and Tobacco Products	530	2.3%	1,263	4.0%	80,263,006	2.7%
Machinery and Computer Equipment	661	2.8%	1,751	5.5%	195,239,563	6.6%
Motor Vehicle Equipment	241	1.0%	1,700	5.3%	214,713,506	7.3%
Paper Manufacturing	198	0.8%	525	1.6%	64,105,699	2.2%
Primary Metals	302	1.3%	462	1.4%	73,360,333	2.5%
Rubber and Miscellaneous Plastics	260	1.1%	313	1.0%	37,181,256	1.3%
Other Manufacturing	1,814	7.8%	5,743	18.0%	494,509,692	16.8%
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	<b>890</b>	<b>3.8%</b>	<b>2,502</b>	<b>7.8%</b>	<b>331,253,203</b>	<b>11.3%</b>
Air Transportation	57	0.2%	611	1.9%	157,825,666	5.4%
Other Transportation	484	2.1%	765	2.4%	53,329,493	1.8%
Public Utilities	348	1.5%	1,126	3.5%	120,098,044	4.1%
<b>INFORMATION</b>	<b>623</b>	<b>2.7%</b>	<b>2,098</b>	<b>6.6%</b>	<b>191,577,624</b>	<b>6.5%</b>
<b>WHOLESALE TRADE</b>	<b>1,736</b>	<b>7.4%</b>	<b>756</b>	<b>2.4%</b>	<b>66,933,201</b>	<b>2.3%</b>
<b>RETAIL TRADE</b>	<b>1,063</b>	<b>4.5%</b>	<b>1,567</b>	<b>4.9%</b>	<b>108,147,845</b>	<b>3.7%</b>
<b>FINANCE, INSURANCE, AND REAL ESTATE</b>	<b>4,137</b>	<b>17.7%</b>	<b>4,077</b>	<b>12.8%</b>	<b>247,648,094</b>	<b>8.4%</b>
<b>SERVICES</b>	<b>6,829</b>	<b>29.2%</b>	<b>6,179</b>	<b>19.4%</b>	<b>524,249,502</b>	<b>17.8%</b>
Health Care	1,911	8.2%	3,103	9.7%	271,603,410	9.2%
Other Services	4,918	21.0%	3,076	9.6%	252,646,092	8.6%
<b>NON-PROFIT ORGANIZATIONS</b>	<b>789</b>	<b>3.4%</b>	<b>208</b>	<b>0.7%</b>	<b>29,719,377</b>	<b>1.0%</b>
<b>TOTAL</b>	<b>23,399</b>	<b>100.0%</b>	<b>31,900</b>	<b>100.0%</b>	<b>\$2,943,000,000</b>	<b>100.0%</b>

Source: PBGC Premium Filings.

Due to rounding of individual items, numbers and percentages may not add up to totals.

Industry classifications are based on principal business activity codes used in the North American Industry Classification System.

**Table S-39  
PBGC's Historic Premium Rates  
Single-Employer Program**

For Plan Years Beginning	Flat-Rate Premium (per participant)	Variable-Rate Premium*	Variable-Rate Premium Cap***** (per participant)	Premium Rate for Certain Terminated Plans** (per participant)
September 2, 1974 - December 31, 1977	\$1.00	--	--	--
1978 - 1985	2.60	--	--	--
1986 - 1987	8.50	--	--	--
1988 - 1990	16.00	\$6 per \$1,000 of unfunded vested benefits	\$34.00	--
1991 - 2005	19.00	\$9 per \$1,000 of unfunded vested benefits	53.00	--
2006	30.00***	\$9 per \$1,000 of unfunded vested benefits	--	\$1,250 per year for 3 years
2007	31.00	\$9 per \$1,000 of unfunded vested benefits	--	\$1,250 per year for 3 years
2008	33.00	\$9 per \$1,000 of unfunded vested benefits	--	\$1,250 per year for 3 years
2009	34.00	\$9 per \$1,000 of unfunded vested benefits	--	\$1,250 per year for 3 years
2010 - 2012	35.00	\$9 per \$1,000 of unfunded vested benefits	--	\$1,250 per year for 3 years
2013	42.00	\$9 per \$1,000 of unfunded vested benefits	400.00	\$1,250 per year for 3 years
2014	49.00	\$14 per \$1,000 of unfunded vested benefits	412.00	\$1,250 per year for 3 years
2015	57.00	\$24 per \$1,000 of unfunded vested benefits****	418.00	\$1,250 per year for 3 years
2016	\$64.00	\$30 per \$1,000 of unfunded vested benefits	\$500.00	\$1,250 per year for 3 years

\* Only vested liabilities are used when determining underfunding for variable-rate premium payment purposes. Prior to July 1, 1996, the variable-rate premium was capped at various levels. Effective beginning with the 2007 plan year, a cap was imposed on the variable-rate premium for plans of small employers. If all contributing sponsors to the plan and their controlled group members have 25 or fewer employees, the per-participant variable-rate premium for that plan will be capped at \$5.00 times the number of participants in the plan. (The cap for the plan as a whole is effectively \$5.00 times the square of the number of plan participants.) Effective beginning with the 2008 plan year, an exemption that allowed some underfunded plans to escape payment of the variable-rate premium was eliminated and a modification was made to how underfunding is determined for variable-rate premium purposes. Effective with the 2013 plan year, the premium is capped at \$400 per participant.

\*\* Applies to certain distress or involuntary pension plan terminations that occur after 2005. For certain airline-related plans that terminate within five years of electing to be covered under special funding rules, the annual termination premium (payable for three years) is \$2,500 per participant.

\*\*\* Beginning in 2007 and ending December 31, 2012, this amount was adjusted annually based on changes in the national average wage index (as defined in section 209(k)(1) of the Social Security Act). The premium rate would not decline even if the national average wage index declined. The adjusted premium rate was rounded to the nearest multiple of \$1.

\*\*\*\* The \$10 increase in the VRP was provided in The Bipartisan Budget Act of 2013. The VRP will be indexed in future years.

\*\*\*\*\* The Retirement Protection Act of 1994 (RPA-94) provided for the phasing out of the cap established with the creation of the variable-rate premium by the Omnibus Budget Reconciliation Act of 1987 (OBRA-87) by June 30, 1996. In 2012, the Moving Ahead For Progress in the 21st Century Act of 2012 (MAP-21) established a new per-participant cap on variable-rate premiums beginning at \$400 per participant for 2013 and indexed for inflation thereafter.

**Table S-40**  
**PBGC Premium Revenue (1980-2015)**  
**Single-Employer Program**

<b>Year</b>	<b>Flat-Rate Premium</b> <i>(in millions)</i>		<b>Variable-Rate Premium</b> <i>(in millions)</i>		<b>Termination Premium</b> <i>(in millions)</i>		<b>Total Premium</b> <i>(in millions)</i>
1980	\$71.2	100.0%	---	---	---	---	\$71.2
1985	81.7	100.0%	---	---	---	---	81.7
1990	509.0	77.2%	\$150.0	22.8%	---	---	659.0
1995	587.0	70.0%	251.0	30.0%	---	---	838.0
1996	600.0	52.4%	546.0	47.6%	---	---	1,146.0
1997	646.0	60.5%	421.0	39.5%	---	---	1,067.0
1998	642.0	66.5%	324.0	33.5%	---	---	966.0
1999	611.0	67.7%	291.0	32.3%	---	---	902.0
2000	661.0	81.9%	146.0	18.1%	---	---	807.0
2001	674.0	82.1%	147.0	17.9%	---	---	821.0
2002	654.0	83.1%	133.0	16.9%	---	---	787.0
2003	647.0	68.2%	301.0	31.8%	---	---	948.0
2004	654.0	44.9%	804.0	55.1%	---	---	1,458.0
2005	664.0	45.8%	787.0	54.2%	---	---	1,451.0
2006	892.0	61.9%	550.0	38.1%	---	---	1,442.0
2007	1,057.0	71.6%	358.0	24.3%	\$61.0	4.1%	1,476.0
2008	1,104.0	78.7%	241.0	17.2%	57.0	4.1%	1,402.0
2009*	1,126.0	61.8%	696.0	38.2%	0.0	0.0%	1,822.0
2010	1,188.0	53.2%	1,043.0	46.8%	0.0	0.0%	2,231.0
2011	1,143.0	55.2%	929.0	44.8%	0.0	0.0%	2,072.0
2012	1,123.0	42.5%	1,495.0	56.6%	24.0	0.9%	2,642.0
2013	1,274.0	43.3%	1,580.0	53.7%	88.0	3.0%	2,942.0
2014	1,379.0	36.2%	2,439.0	64.0%	-6.0	-0.2%	3,812.0
2015	1,556.0	37.6%	2,565.0	62.0%	17.0	0.4%	4,138.0

Sources: PBGC Premium Filings and Annual Report

Due to rounding of individual items, percentages may not add up to 100%.

\*Beginning in 2009, PBGC began reporting premium income net of bad debt expense for premium, interest, and penalties. These components are combined with any termination premiums collected.

**Table S-41**  
**PBGC Premium Revenue by Size of Plan and Type of Premium (2013)**  
**Single-Employer Program**

Number of Plan Participants	Flat-Rate Premium		Variable-Rate Premium		Total Premium*	
Fewer Than 100	\$12,221,718	1.0%	\$18,478,973	1.2%	\$30,700,691	1.1%
100 - 499	38,763,681	3.1%	70,201,439	4.4%	108,965,120	3.8%
500 - 999	34,584,291	2.7%	61,952,594	3.9%	96,536,885	3.4%
1,000 - 2,499	84,227,309	6.7%	142,625,823	9.0%	226,853,132	7.9%
2,500 - 4,999	92,788,242	7.4%	128,746,699	8.1%	221,534,941	7.8%
5,000 - 9,999	135,522,964	10.7%	182,128,387	11.4%	317,651,351	11.1%
10,000 or more	863,157,561	68.4%	988,600,319	62.1%	1,851,757,880	64.9%
<b>Total</b>	<b>\$1,261,182,600</b>	<b>100.0%</b>	<b>\$1,592,817,400</b>	<b>100.0%</b>	<b>\$2,854,000,000</b>	<b>100.0%</b>
<b>Percent of Total</b>	<b>44%</b>		<b>56%</b>		<b>100%</b>	

Source: PBGC Premium Filings.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

"Percent of Total" represents the proportion of total premiums made up of the flat-rate and variable-rate premiums, respectively.

\* Excludes termination premium revenues.

**Table S-42**  
**PBGC-Insured Plans and Participants by Total Premium Paid (2013)**  
**Single-Employer Program**

Average Variable-Rate Premium Per Participant	Plans	Percent of Variable- Rate Premium- Paying Plans	Percent of All Plans	Participants	Percent of Participants in Variable-Rate Premium-Paying Plans	Percent of All Participants
No Variable-Rate Premium Paid	9,162	---	39.2%	11,991,002	---	37.6%
<b>Total Variable-Rate Premium Payers</b>	<b>14,237</b>	<b>100.0%</b>	<b>60.8%</b>	<b>19,908,998</b>	<b>100.0%</b>	<b>62.4%</b>
\$0.01 - \$9.99	841	5.9%	3.6%	1,306,114	6.6%	4.1%
\$10.00 - \$19.99	2,344	16.5%	10.0%	1,868,793	9.4%	5.9%
\$20.00 - \$29.99	1,663	11.7%	7.1%	1,479,748	7.4%	4.6%
\$30.00 - \$39.99	1,317	9.3%	5.6%	1,369,986	6.9%	4.3%
\$40.00 - \$49.99	1,088	7.6%	4.6%	1,598,779	8.0%	5.0%
\$50.00 - \$59.99	890	6.3%	3.8%	1,199,726	6.0%	3.8%
\$60.00 - \$69.99	775	5.4%	3.3%	1,347,543	6.8%	4.2%
\$70.00 - \$79.99	689	4.8%	2.9%	1,118,226	5.6%	3.5%
\$80.00 - \$89.99	590	4.1%	2.5%	1,307,003	6.6%	4.1%
\$90.00 - \$99.99	550	3.9%	2.4%	1,272,185	6.4%	4.0%
\$100.00 - \$149.99	1,604	11.3%	6.9%	3,362,969	16.9%	10.5%
\$150.00 - \$199.99	764	5.4%	3.3%	1,205,540	6.1%	3.8%
\$200.00 - \$249.99	399	2.8%	1.7%	682,898	3.4%	2.1%
\$250.00 - \$299.99	218	1.5%	0.9%	322,162	1.6%	1.0%
\$300.00 or More	504	3.5%	2.2%	467,326	2.3%	1.5%
<b>Total All Plans</b>	<b>23,399</b>	<b>---</b>	<b>100.0%</b>	<b>31,900,000</b>	<b>---</b>	<b>100.0%</b>

Source: PBGC Premium Filings.

Due to rounding of individual items, percentages may not add up to 100%.

Because the flat premium rate is now indexed, the row headings show only the per-participant variable-rate premium paid by plans.

**Table S-43**  
**PBGC-Insured Plans and Participants by Variable-Rate Premium Status (1992-2013)\***  
**Single-Employer Program**

Beginning of Year	Plans Paying Variable-Rate Premium	Participants in Plans Paying Variable-Rate Premium	Variable-Rate Premium Interest Rate**		
			First Segment***	Second Segment***	Third Segment***
1992	30.8%	27.4%		6.16%	
1993	36.4%	24.9%		5.95%	
1994	43.1%	34.2%		5.00%	
1995	38.5%	23.8%		6.30%	
1996	46.8%	32.1%		4.85%	
1997	37.0%	19.4%		5.24%	
1998	35.6%	16.6%		5.09%	
1999	35.1%	13.2%		4.30%	
2000	28.0%	7.4%		5.40%	
2001	33.5%	8.0%		4.67%	
2002	35.7%	9.8%		5.48%	
2003	45.1%	17.2%		4.92%	
2004	50.0%	33.1%		4.94%	
2005	48.3%	32.5%		4.73%	
2006	38.3%	14.4%		4.86%	
2007	24.5%	11.0%		5.75%	
2008	33.4%	23.7%	4.93%	6.13%	6.69%
2009	41.7%	46.9%	6.72%	7.12%	6.36%
2010	53.3%	53.7%	2.35%	5.65%	6.45%
2011	53.9%	54.2%	1.98%	5.23%	6.52%
2012	60.7%	62.5%	2.07%	4.45%	5.24%
2013	60.8%	62.4%	1.00%	3.57%	4.77%

Source: PBGC Premium Filings.

\*Excludes plans paying PBGC Termination Premium.

\*\* Interest rates for valuing vested benefits for PBGC variable-rate premium for plans with premium payment years beginning in January of the respective year.

\*\*\* Beginning in 2008, plans were required to use spot segment interest rates published by the IRS for calculating a plan's vested liabilities to determine their variable-rate premiums. The first segment rate applies to benefits expected to be paid within five years, the second to benefits expected to be paid from five to twenty years in the future, and the third to benefits expected to be paid more than twenty years in the future.

**Table S-44**  
**Funding of PBGC-Insured Plans (1980-2013)**  
**Single-Employer Program**

<b>Beginning of Year</b>	<b>Assets (in millions)</b>	<b>Liabilities* (in millions)</b>	<b>Funding Ratio</b>	<b>Underfunding (in millions)</b>	<b>Overfunding (in millions)</b>	<b>PBGC Rate</b>
1980	\$259,810	\$212,072	123%	\$20,156	\$67,894	8.50%
1985	500,673	308,617	162%	11,182	203,238	9.75%
1990	837,131	604,047	139%	35,689	268,773	7.25%
1991	848,251	687,896	123%	34,485	194,840	7.25%
1992	915,722	771,421	119%	47,528	191,829	6.25%
1993	951,972	844,803	113%	59,622	166,791	6.40%
1994	1,001,129	936,698	107%	75,569	140,000	5.65%
1995	1,032,503	887,730	116%	37,278	182,050	7.15%
1996	1,198,221	1,134,194	106%	83,071	147,098	5.30%
1997	1,368,188	1,192,222	115%	47,906	223,871	5.80%
1998	1,491,488	1,284,725	116%	49,242	256,005	5.40%
1999	1,692,755	1,455,469	116%	54,237	291,524	5.30%
2000	1,836,184	1,271,347	144%	6,566	571,403	7.00%
2001	1,714,534	1,374,416	125%	38,564	378,682	6.40%
2002	1,444,777	1,435,558	101%	142,573	151,793	5.70%
2003	1,372,490	1,620,607	85%	298,996	50,879	5.00%
2004	1,590,057	1,860,514	85%	321,831	51,373	4.00%
2005	1,728,856	1,946,593	89%	282,953	65,215	3.90%
2006	1,840,181	1,910,563	96%	185,883	115,502	4.50%
2007	2,006,652	1,930,465	104%	113,806	189,993	4.99%
2008	2,035,275	1,889,057	108%	84,932	231,150	5.37%
2009	1,561,308	1,945,001	80%	414,303	30,610	5.38%
2010	1,784,273	2,204,591	81%	448,954	28,637	4.52%
2011	2,019,906	2,377,262	85%	396,346	38,990	4.26%
2012	2,050,785	2,858,971	72%	823,419	15,233	2.95%
2013	2,166,151	2,908,473	74%	758,571	16,249	2.68%

Sources: Internal Revenue Service Form 5500 Series filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(I)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 15.02 and 5.32 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 9 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$720,178.

**Table S-45**  
**Funding of Underfunded PBGC-Insured Plans (1980-2013)**  
**Single-Employer Program**

<b>Beginning of Year</b>	<b>Assets (in millions)</b>	<b>Liabilities* (in millions)</b>	<b>Underfunding (in millions)</b>	<b>Funding Ratio</b>	<b>PBGC Rate</b>
1980	\$53,840	\$73,996	\$20,156	73%	8.50%
1985	28,722	39,904	11,182	72%	9.75%
1990	95,068	130,758	35,689	73%	7.25%
1991	147,301	181,786	34,485	81%	7.25%
1992	172,372	219,900	47,528	78%	6.25%
1993	215,695	275,317	59,622	78%	6.40%
1994	308,516	384,085	75,569	80%	5.65%
1995	218,493	255,771	37,278	85%	7.15%
1996	493,597	576,668	83,071	86%	5.30%
1997	353,823	401,729	47,906	88%	5.80%
1998	358,514	407,756	49,242	88%	5.40%
1999	413,446	467,683	54,237	88%	5.30%
2000	63,218	69,784	6,566	91%	7.00%
2001	308,514	347,078	38,564	89%	6.40%
2002	778,351	920,925	142,573	85%	5.70%
2003	1,069,966	1,368,962	298,996	78%	5.00%
2004	1,229,811	1,551,642	321,831	79%	4.00%
2005	1,197,558	1,480,512	282,953	81%	3.90%
2006	971,052	1,156,935	185,883	84%	4.50%
2007	815,236	929,041	113,805	88%	4.99%
2008	698,799	783,731	84,932	89%	5.37%
2009	1,376,306	1,790,608	414,303	77%	5.38%
2010	1,576,485	2,025,439	448,954	78%	4.52%
2011	1,694,339	2,090,685	396,346	81%	4.26%
2012**	1,935,907	2,759,325	823,419	70%	2.95%
2013	2,067,202	2,825,773	758,571	75%	2.68%

Sources: Internal Revenue Service Form 5500 Series filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later.

\*\*Before plan year 2012, durations of 15.02 and 5.32 for non-annuitants and annuitant liability, respectively, were used in the calculation. Beginning in plan year 2012 these durations were updated. The new values are 14 and 9 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$720,178.



**Table S-46**  
**Funding of Overfunded PBGC-Insured Plans (1980-2013)**  
**Single-Employer Program**

<b>Beginning of Year</b>	<b>Assets</b> <i>(in millions)</i>	<b>Liabilities*</b> <i>(in millions)</i>	<b>Overfunding</b> <i>(in millions)</i>	<b>Funding Ratio</b>	<b>PBGC Rate</b>
1980	\$205,970	\$138,076	\$67,894	149%	8.50%
1985	471,951	268,713	203,238	176%	9.75%
1990	742,063	473,289	268,773	157%	7.25%
1991	700,950	506,110	194,840	138%	7.25%
1992	743,350	551,520	191,829	135%	6.25%
1993	736,277	569,486	166,791	129%	6.40%
1994	692,613	552,613	140,000	125%	5.65%
1995	814,009	631,959	182,050	129%	7.15%
1996	704,624	557,526	147,098	126%	5.30%
1997	1,014,365	790,494	223,871	128%	5.80%
1998	1,132,974	876,969	256,005	129%	5.40%
1999	1,279,309	987,785	291,524	130%	5.30%
2000	1,772,966	1,201,563	571,403	148%	7.00%
2001	1,406,020	1,027,338	378,682	137%	6.40%
2002	666,426	514,633	151,793	129%	5.70%
2003	302,524	251,645	50,879	120%	5.00%
2004	360,246	308,872	51,373	117%	4.00%
2005	531,297	466,082	65,215	114%	3.90%
2006	869,129	753,627	115,502	115%	4.50%
2007	1,191,406	1,001,423	189,983	119%	4.99%
2008	1,336,476	1,105,326	231,150	121%	5.37%
2009	185,002	154,393	30,610	120%	5.38%
2010	207,789	179,152	28,637	116%	4.52%
2011	325,567	286,577	38,990	114%	4.26%
2012**	114,878	99,646	15,233	115%	2.95%
2013	98,949	82,700	16,249	120%	2.68%

Sources: Internal Revenue Service Form 5500 Series filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later.

\*\*Beginning in plan year 2012 these durations were updated. The new values are 14 and 9 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$720,178.

**Table S-47**  
**Concentration of Underfunding in PBGC-Insured Plans (1990-2013)**  
**Single-Employer Program**

Beginning of Year	Total Underfunding <i>(in millions)</i>	10 Plans With the Highest Underfunding <i>(in millions)</i>			Next 40 Plans' Underfunding <i>(in millions)</i>		All Other Plans' Underfunding <i>(in millions)</i>	
1990	\$35,689	\$14,119	39.6%	\$6,487	18.2%	\$15,083	42.3%	
1991	34,485	14,067	40.8%	6,884	20.0%	13,534	39.2%	
1992	47,528	21,610	45.5%	7,818	16.4%	18,100	38.1%	
1993	59,622	25,894	43.4%	9,337	15.7%	24,392	40.9%	
1994	75,569	28,658	37.9%	10,310	13.6%	36,601	48.4%	
1995	37,278	6,535	17.5%	7,921	21.2%	22,822	61.2%	
1996	83,071	13,850	16.7%	16,410	19.8%	52,810	63.6%	
1997	47,906	7,751	16.2%	8,473	17.7%	31,682	66.1%	
1998	49,242	14,432	29.3%	6,942	14.1%	27,868	56.6%	
1999	54,237	11,500	21.2%	9,018	16.6%	33,719	62.2%	
2000	6,566	1,631	24.8%	1,077	16.4%	3,858	58.8%	
2001	38,564	12,776	33.1%	7,254	18.8%	18,534	48.1%	
2002	142,573	33,691	23.6%	25,933	18.2%	82,949	58.2%	
2003	298,996	34,922	11.7%	59,169	19.8%	204,905	68.5%	
2004	321,831	34,899	10.8%	62,414	19.4%	224,517	69.8%	
2005	282,953	29,255	10.3%	50,825	18.0%	202,874	71.7%	
2006	185,883	23,881	12.8%	31,663	17.0%	130,339	70.1%	
2007	113,805	16,621	14.6%	20,358	17.9%	76,827	67.5%	
2008	84,932	19,242	22.7%	15,397	18.1%	50,293	59.2%	
2009	414,303	55,607	13.4%	76,158	18.4%	282,538	68.2%	
2010	448,953	63,561	14.2%	79,670	17.7%	305,723	68.1%	
2011	396,346	59,146	14.9%	67,937	17.1%	269,263	67.9%	
2012	823,419	126,148	15.3%	148,347	18.0%	548,924	66.7%	
2013	758,571	113,523	15.0%	143,041	18.9%	502,007	66.2%	

Sources: Internal Revenue Service Form 5500 Series filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

**Table S-48**  
**Plans, Participants, and Funding of PBGC-Insured Plans by Funding Ratio (2013)**  
**Single-Employer Program**

Funding Ratio	Plans		Participants		Total Liabilities*		Underfunding		Overfunding	
			<i>(in thousands)</i>		<i>(in millions)</i>		<i>(in millions)</i>		<i>(in millions)</i>	
Less Than 40%	247	1.1%	192	0.6%	\$29,849	1.0%	\$20,854	2.7%	---	---
40% - 49%	766	3.3%	628	2.0%	41,381	1.4%	21,551	2.8%	---	---
50% - 59%	3,832	16.4%	2,825	8.9%	202,456	7.0%	87,990	11.6%	---	---
60% - 69%	6,377	27.3%	9,418	29.5%	810,908	27.9%	277,378	36.6%	---	---
70% - 79%	4,737	20.2%	11,113	34.8%	1,081,249	37.2%	264,326	34.8%	---	---
80% - 89%	2,386	10.2%	5,290	16.6%	515,276	17.7%	76,726	10.1%	---	---
90% - 99%	1,123	4.8%	1,402	4.4%	144,654	5.0%	9,746	1.3%	---	---
100% - 109%	1,951	8.3%	454	1.4%	27,403	0.9%	---	---	\$1,334	8.2%
110% - 119%	309	1.3%	280	0.9%	31,494	1.1%	---	---	5,230	32.2%
120% - 129%	206	0.9%	107	0.3%	6,945	0.2%	---	---	1,548	9.5%
130% - 139%	141	0.6%	114	0.4%	12,941	0.4%	---	---	4,565	28.1%
140% - 149%	92	0.4%	9	0.0%	531	0.0%	---	---	234	1.4%
150% or More	1,232	5.3%	68	0.2%	3,386	0.1%	---	---	3,338	20.5%
<b>Total</b>	<b>23,399</b>	<b>100.0%</b>	<b>31,900</b>	<b>100.0%</b>	<b>\$2,908,473</b>	<b>100.0%</b>	<b>\$758,571</b>	<b>100.0%</b>	<b>\$16,249</b>	<b>100.0%</b>
<b>Underfunded</b>	<b>19,468</b>	<b>83.2%</b>	<b>30,868</b>	<b>96.8%</b>	<b>\$2,825,773</b>	<b>97.2%</b>	<b>\$758,571</b>	<b>100.0%</b>	<b>---</b>	<b>---</b>
<b>Overfunded</b>	<b>3,931</b>	<b>16.8%</b>	<b>1,032</b>	<b>3.2%</b>	<b>\$82,700</b>	<b>2.8%</b>	<b>---</b>	<b>---</b>	<b>\$16,249</b>	<b>100.0%</b>

Sources: Internal Revenue Service Form 5500 Series filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 15.02 and 5.32 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 9 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$720,178.

**Table S-49**  
**Various Measures of Underfunding in PBGC-Insured Plans (1992-2014)**  
**Single-Employer Program**

Year	(A) Form 5500 Filings <i>(in billions)</i>	(B) Variable-Rate Premium <i>(in billions)</i>	(C) Reasonably Possible <i>(in billions)</i>	(D) Total in PBGC-Insured Plans <i>(in billions)</i>
1992	\$47.53	\$31.67	\$12.36	\$74.00
1993	59.62	31.67	13.06	84.20
1994	75.57	34.11	18.23	109.30
1995	37.28	27.89	14.56	61.70
1996	83.07	60.67	22.47	94.50
1997	47.91	46.78	20.73	99.60
1998	49.24	36.00	15.38	87.80
1999	54.24	32.33	17.50	104.70
2000	6.57	16.22	3.79	22.80
2001	38.56	16.33	9.54	39.40
2002	142.57	14.78	34.10	163.90
2003	299.00	33.44	83.92	419.70
2004	321.83	89.33	95.67	452.10
2005	282.95	87.44	108.04	431.80
2006	185.88	61.11	73.30	313.80
2007	114.65	39.78	65.67	225.10
2008	84.93	26.78	46.73	150.00
2009	414.16	77.33	167.86	478.90
2010	448.95	115.90	169.74	514.06
2011	396.35	103.22	227.12	462.80
2012	823.42	166.11	294.63	903.48
2013	758.57	190.88	292.21	831.72
2014	---	161.45	167.11	---

**Definitions:**

- (A) Underfunding calculated from Internal Revenue Service Form 5500 Series Filings. Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Funding information from PBGC premium filings was used in 2008 whenever Form 5500 data was not available. Vested liabilities are used as a proxy for PBGC-guaranteed benefits.
- (B) Underfunding data from PBGC premium filings used to calculate the variable-rate premium. Underfunding is based on vested benefits.
- (C) Underfunding for plan sponsors with less than investment-grade bond ratings. Underfunding is based on estimated vested benefits.
- (D) Estimated total liabilities are based on all plan liabilities, whether vested or not. The same adjustment that is applied to and described in the footnote for the group labeled (A) is applied to this group.

Only (A) and (B) represent the universe of PBGC-insured plans. Firms and plans included in the column (C) totals may differ from year to year.

See "Underfunding Measures in Table S-47" in the Pension Insurance Data Book 2005, pp 16-23, for a further explanation of these measures.

Before plan year 2012, durations of 15.02 and 5.32 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 9 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$720,178 for subgroup (A) and \$803,637 for subgroup (D).

**Table S-50**  
**Funding of PBGC-Insured Plans by Industry (2013)**  
**Single-Employer Program**

Industry	Average Funding Ratio	Total Liabilities* <i>(in millions)</i>		Underfunding <i>(in millions)</i>		Overfunding <i>(in millions)</i>	
<b>AGRICULTURE, MINING, AND CONSTRUCTION</b>	<b>72%</b>	<b>\$36,941</b>	<b>1.3%</b>	<b>\$10,637</b>	<b>1.4%</b>	<b>\$270</b>	<b>1.7%</b>
<b>MANUFACTURING</b>	<b>75%</b>	<b>1,375,735</b>	<b>47.3%</b>	<b>355,849</b>	<b>46.9%</b>	<b>6,426</b>	<b>39.5%</b>
Chemical and Allied Products	75%	187,119	6.4%	47,624	6.3%	1,046	6.4%
Computer and Electronic Products	79%	96,861	3.3%	24,289	3.2%	3,607	22.2%
Electrical Equipment	70%	130,409	4.5%	39,378	5.2%	10	**
Fabricated Metal Products	70%	31,850	1.1%	9,824	1.3%	110	0.7%
Food and Tobacco Products	80%	97,985	3.4%	19,734	2.6%	80	0.5%
Machinery Manufacturing	74%	71,075	2.4%	18,391	2.4%	27	0.2%
Motor Vehicle Equipment	75%	207,157	7.1%	50,904	6.7%	97	0.6%
Paper Manufacturing	72%	40,235	1.4%	12,289	1.6%	827	5.1%
Petroleum and Coal Products	70%	27,770	1.0%	8,311	1.1%	4	0.0%
Primary Metals	66%	46,411	1.6%	15,900	2.1%	4	**
Other Manufacturing	75%	438,863	15.1%	109,207	14.4%	613	3.8%
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	<b>70%</b>	<b>335,755</b>	<b>11.5%</b>	<b>101,840</b>	<b>13.4%</b>	<b>538</b>	<b>3.3%</b>
Air Transportation	51%	83,311	2.9%	40,704	5.4%	32	0.2%
Other Transportation	77%	54,430	1.9%	12,475	1.6%	34	0.2%
Public Utilities	76%	198,013	6.8%	48,661	6.4%	472	2.9%
<b>INFORMATION</b>	<b>73%</b>	<b>198,057</b>	<b>6.8%</b>	<b>53,404</b>	<b>7.0%</b>	<b>584</b>	<b>3.6%</b>
<b>WHOLESALE TRADE</b>	<b>72%</b>	<b>57,138</b>	<b>2.0%</b>	<b>16,452</b>	<b>2.2%</b>	<b>430</b>	<b>2.6%</b>
<b>RETAIL TRADE</b>	<b>70%</b>	<b>47,652</b>	<b>1.6%</b>	<b>14,149</b>	<b>1.9%</b>	<b>34</b>	<b>0.2%</b>
<b>FINANCE, INSURANCE AND REAL ESTATE</b>	<b>82%</b>	<b>326,936</b>	<b>11.2%</b>	<b>64,208</b>	<b>8.5%</b>	<b>5,818</b>	<b>35.8%</b>
<b>SERVICES</b>	<b>74%</b>	<b>505,552</b>	<b>17.4%</b>	<b>134,394</b>	<b>17.7%</b>	<b>2,074</b>	<b>12.8%</b>
Health Care	69%	185,599	6.4%	58,369	7.7%	147	0.9%
Other Services	77%	319,953	11.0%	76,025	10.0%	1,927	11.9%
<b>NON-PROFIT ORGANIZATIONS</b>	<b>69%</b>	<b>24,707</b>	<b>0.8%</b>	<b>7,638</b>	<b>1.0%</b>	<b>74</b>	<b>0.5%</b>
<b>TOTAL</b>	<b>74%</b>	<b>\$2,908,473</b>	<b>100.0%</b>	<b>\$758,571</b>	<b>100.0%</b>	<b>\$16,249</b>	<b>100.0%</b>

Sources: Internal Revenue Service Form 5500 Series filings.

Due to rounding of individual items, numbers and percentages may not add up to totals.

Industry classifications are based on principal business activity codes used in the North American Industry Classification System.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(1)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 15.02 and 5.32 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 9 for non-annuitants and annuitants, respectively.

\*\* Less than 0.05 percent

**Table S-51**  
**Pension Funding Data for PBGC-Insured Plans by Region and State (2013)**  
**Single-Employer Program**

Region / State	Overfunded			Underfunded			Total	
	Assets <i>(in millions)</i>	Liabilities* <i>(in millions)</i>	Overfunding <i>(in millions)</i>	Assets <i>(in millions)</i>	Liabilities* <i>(in millions)</i>	Underfunding <i>(in millions)</i>	Assets <i>(in millions)</i>	Liabilities* <i>(in millions)</i>
<b>NEW ENGLAND</b>	<b>\$3,187</b>	<b>\$2,727</b>	<b>\$461</b>	<b>\$196,011</b>	<b>\$272,045</b>	<b>\$76,035</b>	<b>\$199,198</b>	<b>\$274,772</b>
Connecticut	219	193	26	119,934	168,031	48,098	120,153	168,224
Maine	142	77	65	3,859	5,596	1,737	4,001	5,673
Massachusetts	832	650	182	58,671	80,459	21,788	59,503	81,110
New Hampshire	14	11	3	2,475	3,555	1,080	2,489	3,566
Rhode Island	1,905	1,728	177	10,028	12,876	2,849	11,933	14,604
Vermont	75	67	8	1,045	1,527	483	1,120	1,594
<b>MID-ATLANTIC</b>	<b>52,857</b>	<b>42,749</b>	<b>10,109</b>	<b>618,203</b>	<b>836,958</b>	<b>218,755</b>	<b>671,060</b>	<b>879,707</b>
Delaware	23	13	10	18,778	28,395	9,616	18,801	28,408
District of Columbia	171	129	42	15,644	21,999	6,355	15,814	22,128
Maryland	583	342	241	45,570	63,748	18,178	46,153	64,091
New Jersey	35,883	29,252	6,631	146,691	197,144	50,453	182,574	226,396
New York	4,604	3,787	817	208,128	265,956	57,828	212,731	269,742
Pennsylvania	931	823	108	99,511	142,377	42,866	100,442	143,200
Virginia	10,635	8,383	2,253	82,551	115,274	32,723	93,186	123,656
West Virginia	28	20	8	1,330	2,065	735	1,358	2,086
<b>SOUTHEAST</b>	<b>11,609</b>	<b>9,997</b>	<b>1,612</b>	<b>250,102</b>	<b>359,796</b>	<b>109,694</b>	<b>261,711</b>	<b>369,794</b>
Alabama	625	557	68	5,253	7,609	2,356	5,878	8,166
Arkansas	46	25	21	2,339	3,362	1,023	2,385	3,387
Florida	3,904	3,341	563	17,833	26,167	8,333	21,737	29,507
Georgia	86	60	26	80,299	122,895	42,596	80,385	122,955
Kentucky	176	144	32	8,982	13,005	4,023	9,157	13,149
Louisiana	70	52	18	19,207	27,477	8,271	19,277	27,530
Mississippi	1	1	0	1,657	2,204	547	1,658	2,205
North Carolina	6,083	5,294	789	56,796	72,667	15,872	62,878	77,961
South Carolina	98	61	38	11,955	17,634	5,679	12,053	17,695
Tennessee	520	462	59	45,782	66,777	20,996	46,302	67,239
<b>GREAT LAKES</b>	<b>9,688</b>	<b>8,655</b>	<b>1,033</b>	<b>518,829</b>	<b>699,298</b>	<b>180,469</b>	<b>528,517</b>	<b>707,953</b>
Illinois	2,020	1,642	378	144,030	195,936	51,905	146,051	197,578
Indiana	425	345	80	21,666	28,056	6,390	22,091	28,401
Michigan	136	114	22	180,664	243,481	62,817	180,799	243,595
Minnesota	707	643	64	58,144	74,277	16,132	58,852	74,920
Ohio	4,669	4,293	376	77,428	108,362	30,933	82,098	112,655
Wisconsin	1,731	1,617	114	36,895	49,187	12,291	38,626	50,804

**Table S-51 (Continued)**  
**Pension Funding Data for PBGC-Insured Plans by Region and State (2013)**  
**Single-Employer Program**

Region / State	Overfunded			Underfunded			Total	
	Assets (in millions)	Liabilities* (in millions)	Overfunding (in millions)	Assets (in millions)	Liabilities* (in millions)	Underfunding (in millions)	Assets (in millions)	Liabilities* (in millions)
<b>MIDWEST</b>	<b>\$3,118</b>	<b>\$2,705</b>	<b>\$414</b>	<b>\$55,827</b>	<b>\$78,354</b>	<b>\$22,527</b>	<b>\$58,946</b>	<b>\$81,059</b>
Iowa	38	31	6	10,949	16,144	5,195	10,987	16,176
Kansas	1,579	1,454	125	7,270	11,355	4,085	8,849	12,810
Missouri	1,435	1,203	231	26,251	36,182	9,931	27,685	37,385
Nebraska	55	9	46	9,814	12,428	2,614	9,869	12,437
North Dakota	4	3	1	1,023	1,499	476	1,027	1,502
South Dakota	8	4	4	520	746	226	528	750
<b>SOUTHWEST</b>	<b>10,729</b>	<b>9,054</b>	<b>1,675</b>	<b>198,284</b>	<b>271,933</b>	<b>73,649</b>	<b>209,013</b>	<b>280,987</b>
Arizona	470	376	93	8,798	12,438	3,641	9,267	12,815
New Mexico	39	28	11	8,532	11,153	2,621	8,570	11,181
Oklahoma	1,174	1,113	61	4,406	6,641	2,235	5,581	7,755
Texas	9,047	7,536	1,511	176,548	241,701	65,152	185,595	249,237
<b>ROCKY MOUNTAIN</b>	<b>140</b>	<b>97</b>	<b>43</b>	<b>22,384</b>	<b>31,115</b>	<b>8,731</b>	<b>22,524</b>	<b>31,212</b>
Colorado	37	33	4	6,894	9,908	3,014	6,932	9,941
Idaho	27	19	8	2,775	4,177	1,403	2,802	4,197
Montana	35	12	22	641	939	298	675	951
Nevada	14	11	3	2,149	2,909	760	2,163	2,920
Utah	16	13	3	9,810	13,019	3,210	9,826	13,032
Wyoming	10	9	2	116	162	47	126	171
<b>PACIFIC</b>	<b>7,610</b>	<b>6,709</b>	<b>901</b>	<b>203,383</b>	<b>270,126</b>	<b>66,743</b>	<b>210,993</b>	<b>276,834</b>
Alaska	2	1	1	503	764	261	505	764
California	5,212	4,597	615	118,892	160,048	41,156	124,104	164,646
Hawaii	226	197	28	3,159	5,101	1,942	3,384	5,298
Oregon	93	73	20	8,948	13,258	4,310	9,041	13,330
Washington	2,077	1,841	237	71,882	90,955	19,073	73,959	92,796
<b>U.S. TERRITORIES</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>3,225</b>	<b>4,780</b>	<b>1,554</b>	<b>3,228</b>	<b>4,783</b>
Puerto Rico	3	3	0	3,063	4,548	1,485	3,066	4,551
Virgin Islands	---	---	---	156	223	67	156	223
Other	---	---	---	6	9	2	6	9
<b>FOREIGN COUNTRIES</b>	<b>6</b>	<b>5</b>	<b>2</b>	<b>954</b>	<b>1,367</b>	<b>413</b>	<b>960</b>	<b>1,372</b>
<b>TOTAL</b>	<b>\$98,949</b>	<b>\$82,700</b>	<b>\$16,249</b>	<b>\$2,067,202</b>	<b>\$2,825,773</b>	<b>\$758,571</b>	<b>\$2,166,151</b>	<b>\$2,908,473</b>

Sources: Internal Revenue Service Form 5500 Series filings.

Due to rounding of individual items, numbers may not add up to totals or across columns.

Funding data is reported by state or country of plan administration.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 15.02 and 5.32 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 9 for non-annuitants and annuitants, respectively.

**Table S-52**  
**PBGC Pension Data by Region and State\***  
**Single-Employer Program**

Region / State	Claims 1975-2014		Coverage 2014		Benefits Paid 2014		
	Plans	Claims	Plans	Participants	Payees	Payments	Mean Monthly Pension
<b>NEW ENGLAND</b>	<b>503</b>	<b>\$1,316,092,118</b>	<b>1,551</b>	<b>1,768,968</b>	<b>37,432</b>	<b>\$ 232,881,667</b>	<b>\$497</b>
Connecticut	150	235,660,737	550	504,094	8,353	45,117,473	445
Maine	20	123,776,321	74	139,167	3,339	20,834,820	518
Massachusetts	243	759,720,097	692	773,150	16,915	114,174,963	532
New Hampshire	32	64,493,103	82	188,649	5,122	34,787,364	529
Rhode Island	48	118,210,454	100	80,408	1,946	9,095,760	387
Vermont	10	14,231,406	52	83,500	1,757	8,871,287	389
<b>MID-ATLANTIC</b>	<b>1,496</b>	<b>14,427,854,613</b>	<b>6,767</b>	<b>6,639,842</b>	<b>199,135</b>	<b>1,287,687,347</b>	<b>510</b>
Delaware	19	52,022,605	76	136,074	1,767	11,710,879	521
District of Columbia	60	180,873,781	191	89,685	470	3,061,025	519
Maryland	76	170,254,928	384	649,446	16,494	139,825,784	666
New Jersey	255	567,780,208	1,183	1,036,021	18,978	116,076,950	485
New York	538	3,551,706,587	2,983	1,939,060	47,196	329,610,113	542
Pennsylvania	428	5,595,252,128	1,350	1,700,930	78,357	491,966,960	494
Virginia	68	3,043,356,043	480	853,588	20,695	100,490,693	396
West Virginia	52	1,266,608,332	118	235,038	15,178	94,944,943	514
<b>SOUTHEAST</b>	<b>472</b>	<b>5,374,513,734</b>	<b>2,607</b>	<b>5,977,997</b>	<b>206,741</b>	<b>1,134,009,828</b>	<b>442</b>
Alabama	34	226,902,223	175	426,779	19,455	93,515,388	378
Arkansas	21	35,575,276	100	265,964	3,995	16,659,437	329
Florida	117	1,008,636,108	649	1,354,559	53,756	401,647,862	587
Georgia	80	2,325,228,399	450	828,817	29,248	175,140,679	475
Kentucky	30	113,227,240	211	476,260	8,540	36,771,620	346
Louisiana	26	77,416,031	162	448,427	5,838	29,468,138	421
Mississippi	12	18,365,757	89	312,353	7,058	36,888,082	451
North Carolina	57	397,332,553	392	865,928	39,918	174,435,918	362
South Carolina	26	172,078,021	147	466,983	18,640	75,000,687	341
Tennessee	69	999,752,125	231	531,927	20,293	94,482,017	388
<b>GREAT LAKES</b>	<b>1,387</b>	<b>23,353,220,967</b>	<b>4,435</b>	<b>6,454,257</b>	<b>220,314</b>	<b>1,697,722,413</b>	<b>598</b>
Illinois	334	9,243,319,735	1,250	1,314,355	41,302	312,206,332	592
Indiana	130	1,510,145,560	340	828,817	31,180	295,152,450	729
Michigan	369	7,610,866,868	780	1,271,059	45,791	390,045,950	650
Minnesota	44	166,350,975	377	575,224	8,571	55,986,137	509
Ohio	413	4,435,157,533	1,257	1,787,523	80,946	567,394,482	548
Wisconsin	97	387,380,295	431	677,279	12,524	76,937,062	482



**Table S-52 (Continued)**  
**PBGC Pension Data by Region and State\***  
**Single-Employer Program**

Region / State	Claims 1975-2014		Coverage 2014		Benefits Paid 2014		
	Plans	Claims	Plans	Participants	Payees	Payments	Mean Monthly Pension
<b>MIDWEST</b>	<b>169</b>	<b>\$1,251,880,156</b>	<b>856</b>	<b>1,784,430</b>	<b>27,892</b>	<b>\$154,833,200</b>	<b>\$443</b>
Iowa	59	138,615,632	222	343,279	6,028	18,807,716	245
Kansas	15	384,550,494	142	330,908	5,083	44,745,250	685
Missouri	83	720,068,674	310	745,317	14,489	79,210,367	443
Nebraska	9	8,200,713	116	201,019	1,611	7,310,624	373
North Dakota	2	202,577	36	58,759	127	530,064	337
South Dakota	1	242,066	28	105,148	554	4,229,179	592
<b>SOUTHWEST</b>	<b>203</b>	<b>1,605,476,264</b>	<b>1,674</b>	<b>2,736,951</b>	<b>38,009</b>	<b>260,696,687</b>	<b>541</b>
Arizona	31	24,241,597	316	569,038	9,619	79,067,763	641
New Mexico	10	28,606,216	83	108,241	1,854	11,630,649	486
Oklahoma	24	51,893,793	137	293,797	3,952	20,468,403	409
Texas	138	1,500,734,659	1,138	1,765,875	22,584	149,529,872	526
<b>ROCKY MOUNTAIN</b>	<b>56</b>	<b>300,250,270</b>	<b>560</b>	<b>1,131,892</b>	<b>19,865</b>	<b>190,839,241</b>	<b>754</b>
Colorado	20	207,047,298	242	454,612	9,930	104,122,519	830
Idaho	9	17,683,597	59	105,148	2,002	13,684,299	538
Montana	5	2,488,440	38	64,945	615	5,809,029	738
Nevada	10	2,769,954	107	312,353	4,546	44,305,108	758
Utah	11	70,170,094	94	145,352	2,405	19,511,608	632
Wyoming	1	90,887	20	49,482	367	3,406,678	727
<b>PACIFIC</b>	<b>337</b>	<b>1,129,491,089</b>	<b>3,799</b>	<b>4,434,787</b>	<b>59,638</b>	<b>536,693,269</b>	<b>702</b>
Alaska	4	50,534,606	17	52,574	588	4,191,682	553
California	254	559,348,569	3,163	3,052,396	40,335	350,328,103	679
Hawaii	25	159,195,248	159	136,074	4,420	44,174,081	777
Oregon	24	50,342,667	195	470,075	4,055	31,869,024	606
Washington	30	310,069,998	265	723,668	10,240	106,130,379	806
<b>PUERTO RICO</b>	<b>14</b>	<b>10,355,405</b>	<b>64</b>	<b>52,669</b>	<b>3,350</b>	<b>10,431,349</b>	<b>244</b>
<b>U.S. TERRITORIES</b>	<b>---</b>	<b>---</b>	<b>9</b>	<b>2,948</b>	<b>194</b>	<b>15,056,878</b>	<b>348</b>
<b>FOREIGN COUNTRIES</b>	<b>3</b>	<b>3,180,902</b>	<b>25</b>	<b>3,085</b>	<b>2,416</b>	<b>1,013,815</b>	<b>454</b>
<b>TOTAL</b>	<b>4,640</b>	<b>\$48,772,315,518</b>	<b>22,344</b>	<b>30,987,826</b>	<b>814,984</b>	<b>\$5,521,865,696</b>	<b>\$539</b>

Sources: PBGC Fiscal Year Closing File, 2012 update of the Retirement Expectations and Pension Plan Coverage Topic Module (Wave 11) of the 2008 Survey of Income and Program Participation (SIPP), PBGC Case Management System, PBGC Premium Filings, PBGC Participant System (PRISM), and fiscal year calculations.

Due to rounding of individual items, numbers may not add up to totals.

\*Claims and plan coverage data by state of plan administration; benefits and participant coverage data by state of payee residence.

**Table S-53**  
**PBGC Maximum Guaranteed Benefits (1990-2016)**  
**Single-Employer Program**

Year of Plan Termination	Maximum Monthly Guarantee	Maximum Annual Guarantee
1990	\$2,164.77	\$25,977.24
1991	2,250.00	27,000.00
1992	2,352.27	28,227.24
1993	2,437.50	29,250.00
1994	2,556.82	30,681.84
1995	2,573.86	30,886.32
1996	2,642.05	31,704.60
1997	2,761.36	33,136.32
1998	2,880.68	34,568.16
1999	3,051.14	36,613.68
2000	3,221.59	38,659.08
2001	3,392.05	40,704.60
2002	3,579.55	42,954.60
2003	3,664.77	43,977.24
2004	3,698.86	44,386.32
2005	3,801.14	45,613.68
2006	3,971.59	47,659.08
2007	4,125.00	49,500.00
2008	4,312.50	51,750.00
2009	4,500.00	54,000.00
2010	4,500.00	54,000.00
2011	4,500.00	54,000.00
2012	4,653.41	55,840.92
2013	4,789.77	57,477.24
2014	4,943.18	59,318.16
2015	5,011.36	60,136.32
2016	5,011.36	60,136.32

*The Employee Retirement Income Security Act of 1974 (ERISA) mandates that the maximum guaranteed amounts be adjusted annually based on changes in the Social Security contribution and benefit base.*

*The maximum guarantee shown applies to workers who retire at age 65. PBGC increases the maximum guarantee for people retiring later than age 65 and reduces it for retirees taking earlier retirement or electing survivor's benefits.*

*In some instances, where a pension plan has adequate resources or PBGC recovers sufficient amounts, a participant may receive benefits in excess of the maximum guarantee.*

*The Pension Protection Act of 2006 provides that if a plan terminates while the sponsor is in a bankruptcy entered into after September 16, 2006, the applicable guarantees will generally be those for the year the sponsor entered bankruptcy regardless of the year the plan actually terminates.*

**Table M-1**  
**Net Financial Position of PBGC's (1980-2015)**  
**Multiemployer Program**

<b>Fiscal Year</b>	<b>Assets</b> <i>(in millions)</i>	<b>Liabilities</b> <i>(in millions)</i>	<b>Net Positions</b> <i>(in millions)</i>
1980	\$21	\$30	-\$9
1985	78	52	27
1990	190	58	132
1995	477	285	192
1996	505	381	124
1997	596	377	219
1998	745	404	341
1999	692	493	199
2000	694	427	267
2001	807	691	116
2002	944	786	158
2003	1,000	1,261	-261
2004	1,070	1,306	-236
2005	1,160	1,495	-335
2006	1,166	1,905	-739
2007	1,197	2,152	-955
2008	1,327	1,800	-473
2009	1,459	2,328	-869
2010	1,628	3,064	-1,436
2011	1,739	4,509	-2,770
2012	1,807	7,044	-5,237
2013	1,719	9,977	-8,258
2014	1,769	44,203	-42,434
2015	1,924	54,208	-52,284

Source: PBGC Annual Reports.

Due to rounding of individual items, numbers may not add up across columns.

**Table M-2**  
**PBGC Premium Revenue, Benefit Payments, and Expenses (1980-2015)**  
**Multiemployer Program**

Fiscal Year	Total Premium Revenue <i>(in millions)</i>	Benefit Payments <i>(in millions)</i>	Net Financial Assistance <i>(in millions)</i>	Administrative & Investment Expenses <i>(in millions)</i>	Premiums Minus Benefits, Financial Assistance and Expenses Paid <i>(in millions)</i>
1980	\$5	\$4	***	\$2	-\$2
1985	14	4	***	4	7
1990	21	2	***	2	17
1995	22	2	\$4	*	16
1996	22	2	4	*	16
1997	23	1	4	*	18
1998	23	1	2	*	20
1999	23	1	19	*	3
2000	24	1	91	*	-68
2001	24	1	5	*	18
2002	25	1	5	*	19
2003	25	1	5	*	19
2004	27	1	10	*	16
2005	26	1	14	*	12
2006	58	1	70	*	-13
2007	81	*	72	*	9
2008	90	*	85	*	5
2009**	95	*	86	*	9
2010	93	*	97	12	-16
2011	92	*	114	14	-36
2012	92	*	95	20	-23
2013	110	*	89	25	-4
2014	122	*	97	18	7
2015	212	*	103	32	77

Source: PBGC Annual Reports.

Due to rounding of individual items, numbers may not add up across columns.

\* Less than \$500,000.

\*\*Beginning in FY 2009, PBGC reports premium income net of bad debt expense for premium, interest, and penalties.

**Table M-3**  
**PBGC Payees and Benefit Payments (Pre-MPPAA Plans, 1980-2014)**  
**Multiemployer Program**

Fiscal Year	Payees in Year*	Periodic Pension Payments		
		Total <i>(in millions)</i>	Average Monthly Payment	Median Monthly Payment
1980	4,100	4	\$77	\$45
1985	3,100	4	91	45
1990	2,170	2	97	50
1995	1,300	2	102	55
1996	1,130	2	104	55
1997	1,000	1	102	55
1998	855	1	104	55
1999	738	1	106	62
2000	626	1	109	62
2001	510	1	112	77
2002	463	1	114	82
2003	389	1	117	90
2004	324	1	135	115
2005	279	1	120	102
2006	238	**	120	105
2007	203	**	126	114
2008	166	**	127	114
2009	134	**	127	114
2010	110	**	136	150
2011	97	**	137	150
2012	74	**	139	150
2013	61	**	134	150
2014	50	**	138	150

Sources: PBGC Participant System (PRISM), fiscal year calculations, PBGC Management Reports, and PBGC Benefit Payment Reports.

Payments made on a quarterly, semi-annual, or annual basis were converted to their monthly equivalent.

\*These payees were in the 10 multiemployer plans PBGC trusted prior to October 1980. The Multiemployer Pension Plan Amendments Act of 1980 (MPPAA) changed PBGC's responsibility from trusteeship of troubled plans to providing financial assistance (loans) to insolvent multiemployer plans.

\*\*Less than \$500,000.

**Table M-4**  
**PBGC Financial Assistance to Insolvent Plans (Post-MPPAA Plans, 1981-2015)**  
**Multiemployer Program**

Year	Plans Receiving Financial Assistance <sup>(1)</sup>	Total Amount of Financial Assistance <i>(in thousands)</i>	Plans Receiving a Lump-Sum Payment <sup>(2)</sup>	Amount of Lump-Sum Payment <i>(in thousands)</i>	Plans Receiving Periodic Payments <sup>(1)</sup>	Amount of Periodic Payments <i>(in thousands)</i>	Repayments of Past Financial Assistance <i>(in thousands)</i>
1981- 1994	7	\$2,611	---	---	7	\$2,611	\$165
1995	9	4,346	---	---	9	4,346	---
1996	12	4,022	---	---	12	4,022	---
1997	14	4,494	---	---	14	4,494	---
1998	18	5,438	---	---	18	5,438	3,176
1999	21	19,220	1	\$14,150	20	5,070	---
2000	21	91,033	2	86,514	19	4,519	---
2001	22	4,526	1 <sup>(3)</sup>	53	22	4,473	---
2002	23	4,894	---	---	23	4,894	---
2003	24	5,022	1	231	23	4,791	---
2004	27	10,121	1 <sup>(3)</sup>	282	27	9,839	---
2005	29	13,758	1 <sup>(3)</sup>	535	28	13,223	---
2006	33	70,097	1	176	32	69,921	---
2007	36	71,870	3 <sup>(3)</sup>	641	36	71,228	---
2008	42	84,623	5 <sup>(4)</sup>	5,810	40	78,813	---
2009	43 <sup>(5)</sup>	85,637	4 <sup>(3)</sup>	7,309	41	78,328	---
2010	50	97,083	7 <sup>(6)</sup>	10,413	44	86,670	---
2011	49	114,326	5 <sup>(4)</sup>	14,310	47	100,016	---
2012	49	95,068	5	1,018	44	94,050	---
2013	44	89,198	---	---	44	89,198	---
2014	53	96,520	---	---	53	96,520	---
2015	58	102,595	2	1,269	57	101,326	---
Total <sup>(7)</sup>	81	\$1,076,500	39	\$142,710	70	\$933,789	\$3,341 <sup>(8)</sup>

Sources: PBGC Annual Reports and internal calculations.

(1) A number of plans received financial assistance in more than one year.

(2) Lump-sum payments were made to these insolvent multiemployer plans to facilitate mergers and closeouts.

(3) These plans received periodic payments before receiving lump-sum payments.

(4) Three of these five plans received periodic payments before receiving lump-sum payments.

(5) Two of these plans received small lump-sum payments to finalize closeouts initiated in 2008. These two plans are not included with plans receiving a lump-sum payment for 2009.

(6) Six of these seven plans received periodic payments before receiving lump-sum payments.

(7) Total for plan columns represents the total number of multiemployer plans that ever received the stated type of financial assistance from PBGC's Multiemployer Insurance Program.

(8) Only one plan has repaid any of its past financial assistance. That plan repaid only the principal amount of the loans it received.

**Table M-5**  
**PBGC-Insured Plan Participants (1980-2014)**  
**Multiemployer Program**  
*(in thousands)*

Year	Total Insured Participants	In Plans with 10,000 or More Participants	In Plans with 5,000-9,999 Participants	In Plans with 2,500-4,999 Participants	In Plans with 1,000-2,499 Participants	In Plans with 500-999 Participants	In Plans with 250-499 Participants	In Plans with Fewer than 250 Participants
1980	7,997	5,072	925	751	731	299	147	71
1985	8,209	5,376	857	761	729	283	136	66
1990	8,534	5,731	891	757	695	290	121	48
1995	8,632	5,986	855	709	661	264	112	45
1996	8,649	5,976	904	713	636	266	106	48
1997	8,740	6,058	906	718	641	263	110	44
1998	8,876	6,212	930	675	650	259	108	42
1999	8,991	6,323	935	666	663	260	104	39
2000	9,132	6,464	953	683	640	261	97	35
2001	9,423	6,776	927	733	617	240	96	33
2002	9,630	6,970	930	739	647	227	87	29
2003	9,699	7,127	885	715	642	228	75	27
2004	9,829	7,248	897	723	643	217	74	26
2005	9,887	7,286	938	709	631	224	74	25
2006	9,911	7,320	944	709	627	219	68	24
2007	10,032	7,504	884	696	644	212	67	24
2008	10,170	7,589	930	716	639	205	67	24
2009	10,396	7,864	907	708	628	203	64	23
2010	10,413	7,921	895	701	612	199	63	23
2011	10,281	7,867	827	699	600	202	64	22
2012	10,372	7,972	823	689	607	200	61	21
2013	10,399	7,971	835	700	613	202	58	21
2014	10,303	7,910	827	693	586	207	59	22

Source: PBGC Premium Filings.

Due to rounding of individual items, numbers may not add up to totals.

**Table M-6**  
**PBGC-Insured Plans (1980-2014)**  
**Multiemployer Program**

Year	Total Insured Plans	Insured Plans with 10,000 or More Participants	Insured Plans with 5,000-9,999 Participants	Insured Plans with 2,500-4,999 Participants	Insured Plans with 1,000-2,499 Participants	Insured Plans with 500-999 Participants	Insured Plans with 250-499 Participants	Insured Plans with Fewer than 250 Participants
1980	2,244	120	131	211	452	420	404	506
1985	2,188	137	124	216	459	402	376	474
1990	1,983	140	127	214	428	402	332	340
1995	1,879	144	123	205	409	368	303	327
1996	1,876	143	132	206	400	373	287	335
1997	1,846	145	131	206	401	365	296	302
1998	1,817	147	136	193	400	357	290	294
1999	1,800	149	137	189	403	357	279	286
2000	1,744	152	138	197	388	357	258	254
2001	1,707	159	133	210	377	327	254	247
2002	1,671	163	133	212	397	316	233	217
2003	1,612	166	129	206	391	321	202	197
2004	1,586	166	129	208	393	305	198	187
2005	1,571	164	134	204	381	309	195	184
2006	1,538	162	132	203	380	305	184	172
2007	1,522	167	124	197	388	293	177	176
2008	1,517	167	130	205	388	283	176	168
2009	1,488	170	128	202	381	278	169	160
2010	1,475	168	126	199	372	273	169	168
2011	1,461	172	116	198	366	277	170	162
2012	1,448	174	117	196	368	274	165	154
2013	1,435	171	115	195	370	277	157	150
2014	1,425	168	114	195	355	283	158	152

Source: PBGC Premium Filings.



**Table M-7**  
**PBGC-Insured Plan Participants by Participant Status (1980-2013)**  
**Multiemployer Program**

<b>Year</b>	<b>Active Participants</b>	<b>Retired Participants</b>	<b>Separated Vested Participants</b>
1980	75.9%	17.7%	6.5%
1985	66.1%	22.6%	11.4%
1990	58.6%	25.2%	16.2%
1995	52.4%	28.9%	18.7%
1996	52.1%	29.1%	18.8%
1997	52.2%	28.9%	18.9%
1998	51.2%	30.4%	18.3%
1999	50.9%	30.5%	18.6%
2000	51.1%	30.1%	18.7%
2001	49.5%	29.6%	20.9%
2002	48.1%	29.7%	22.2%
2003	47.1%	30.2%	22.8%
2004	46.0%	30.8%	23.2%
2005	45.7%	30.8%	23.5%
2006	45.3%	30.9%	23.8%
2007	44.6%	30.9%	24.5%
2008	43.8%	32.0%	24.2%
2009	41.3%	32.1%	26.7%
2010*	39.1%	33.1%	27.7%
2011	38.3%	33.7%	27.9%
2012	36.6%	35.1%	28.3%
2013	36.8%	35.3%	27.9%

*Source: Internal Revenue Service Form 5500 Series Filings.*

*Data for plan years prior to 1999 include only plans with 100 or more participants.*

*Due to rounding of individual items, percentages may not add up to 100%.*

*\*2010 figures are estimates from PBGC internal calculations.*

**Table M-8**  
**PBGC-Insured Plans and Participants by Industry (2013)**  
**Multiemployer Program**

Industry	Insured Plans		Insured Participants	
<b>AGRICULTURE</b>	<b>8</b>	<b>0.6%</b>	<b>23,023</b>	<b>0.2%</b>
<b>MINING</b>	<b>4</b>	<b>0.3%</b>	<b>108,750</b>	<b>1.0%</b>
<b>CONSTRUCTION</b>	<b>771</b>	<b>53.8%</b>	<b>3,875,342</b>	<b>37.3%</b>
Building Construction	102	7.1%	636,729	6.1%
Heavy Construction	70	4.9%	586,145	5.6%
Plumbing, Heating, and Air Conditioning	159	11.1%	444,914	4.3%
Electrical Work	123	8.6%	825,121	7.9%
Building Finishing Contractors	50	3.5%	227,495	2.2%
Foundation, Structure, and Exterior Work	149	10.4%	650,901	6.3%
Other Construction	119	8.3%	504,037	4.8%
<b>MANUFACTURING</b>	<b>144</b>	<b>10.0%</b>	<b>976,887</b>	<b>9.4%</b>
Food and Tobacco Products	29	2.0%	220,562	2.1%
Apparel and Textile Products	5	0.4%	34,307	0.3%
Paper and Allied Products	5	0.4%	84,244	0.8%
Printing and Publishing	23	1.6%	151,775	1.5%
Machinery and Computer Equipment	5	0.4%	278,653	2.7%
Electrical and Electronic Equipment	8	0.6%	7,859	0.1%
Furniture and Related	4	0.3%	13,389	0.1%
Other Manufacturing	65	4.5%	186,096	1.8%
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	<b>148</b>	<b>10.3%</b>	<b>1,513,646</b>	<b>14.6%</b>
Trucking	76	5.3%	1,355,514	13.0%
Water Transportation	45	3.1%	102,616	1.0%
Other Transportation and Public Utilities	27	1.9%	55,517	0.5%
<b>INFORMATION</b>	<b>33</b>	<b>2.3%</b>	<b>223,091</b>	<b>2.1%</b>
<b>WHOLESALE TRADE</b>	<b>25</b>	<b>1.7%</b>	<b>52,316</b>	<b>0.5%</b>
<b>RETAIL TRADE</b>	<b>86</b>	<b>6.0%</b>	<b>1,595,288</b>	<b>15.3%</b>
<b>SERVICES</b>	<b>216</b>	<b>15.1%</b>	<b>2,030,657</b>	<b>19.5%</b>
Administrative/Support	44	3.1%	351,188	3.4%
Health Care/Social Assistance	15	1.1%	496,216	4.8%
Accommodation/Food Service	26	1.8%	688,365	6.6%
Other Services	131	9.1%	494,888	4.8%
<b>TOTAL</b>	<b>1,435</b>	<b>100.0%</b>	<b>10,399,000</b>	<b>100.0%</b>

Source: PBGC Premium Filings.

Due to rounding of individual items, numbers and percents may not add up to totals.

Industry classifications are based on principal business activity codes used in the North American Industry Classification System. However, whenever a sponsor indicated its activity as "Insurance & Employee Benefit Funds," a code covering the principal activity of plan participants was determined and substituted.

**Table M-9**  
**Funding of PBGC-Insured Plans (1980-2013)**  
**Multiemployer Program**

Beginning of Year	Assets (in millions)	Liabilities* (in millions)	Funding Ratio	Underfunding (in millions)	Overfunding (in millions)	PBGC Rate
1980	\$40,363	\$52,123	77%	\$17,887	\$6,126	8.50%
1985	88,182	75,942	116%	6,432	18,672	9.75%
1990	166,348	156,149	107%	11,574	21,773	7.25%
1991	165,734	160,370	103%	13,068	18,432	7.25%
1992	184,670	187,829	98%	17,835	14,676	6.25%
1993	197,461	202,177	98%	19,864	15,148	6.40%
1994	206,625	225,982	91%	29,193	9,837	5.65%
1995	209,947	218,458	96%	22,726	14,216	7.15%
1996	238,571	270,551	88%	40,019	8,039	5.30%
1997	268,471	287,569	93%	32,549	13,452	5.80%
1998	304,158	331,017	92%	39,497	12,638	5.40%
1999	320,704	351,021	91%	44,379	14,063	5.30%
2000	356,659	339,741	105%	21,135	38,054	7.00%
2001	351,108	385,272	91%	48,412	14,249	6.40%
2002	330,104	429,329	77%	102,469	3,245	5.70%
2003	308,678	486,845	63%	178,915	748	5.00%
2004	347,471	556,018	62%	209,181	634	4.00%
2005	372,404	598,551	62%	226,717	569	3.90%
2006	388,962	588,629	66%	200,701	1,034	4.50%
2007	430,091	621,289	69%	192,849	1,651	4.99%
2008	440,132	648,069	68%	210,167	2,230	5.37%
2009	326,940	672,513	49%	345,788	215	5.38%
2010	366,333	756,999	48%	391,027	360	4.52%
2011	398,263	798,963	50%	401,080	380	4.26%
2012	392,245	964,299	41%	572,228	174	2.95%
2013	422,942	1,033,758	41%	611,115	299	2.68%

Source: Internal Revenue Service Form 5500 Series Filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 13.27 and 5.41 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 8 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$553,842.

**Table M-10**  
**Funding of Underfunded PBGC-Insured Plans (1980-2013)**  
**Multiemployer Program**

Beginning of Year	Assets (in millions)	Liabilities* (in millions)	Underfunding (in millions)	Funding Ratio	PBGC Rate
1980	\$24,819	\$42,706	\$17,887	77%	8.50%
1985	22,813	29,246	6,432	78%	9.75%
1990	56,512	68,086	11,574	83%	7.25%
1991	62,563	75,631	13,068	83%	7.25%
1992	93,790	111,625	17,835	84%	6.25%
1993	95,331	115,195	19,864	83%	6.40%
1994	128,718	157,911	29,193	82%	5.65%
1995	118,707	141,434	22,726	84%	7.15%
1996	168,347	208,366	40,019	81%	5.30%
1997	152,633	185,182	32,549	82%	5.80%
1998	180,084	219,582	39,497	82%	5.40%
1999	206,568	250,947	44,379	82%	5.30%
2000	110,729	131,864	21,135	84%	7.00%
2001	222,296	270,708	48,412	82%	6.40%
2002	295,338	397,807	102,469	74%	5.70%
2003	304,027	482,942	178,915	63%	5.00%
2004	342,777	551,959	209,181	62%	4.00%
2005	368,382	595,099	226,717	62%	3.90%
2006	381,439	582,139	200,701	66%	4.50%
2007	416,689	609,537	192,849	68%	4.99%
2008	410,109	620,276	210,167	66%	5.37%
2009	325,936	671,725	345,788	49%	5.38%
2010	364,674	755,701	391,027	48%	4.52%
2011	395,062	796,142	401,080	50%	4.26%
2012	391,729	963,957	572,228	41%	2.95%
2013	422,122	1,033,237	611,115	41%	2.68%

Source: Internal Revenue Service Form 5500 Series Filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 13.27 and 5.41 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 8 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$553,842.

**Table M-11**  
**Funding of Overfunded PBGC-Insured Plans (1980-2013)**  
**Multiemployer Program**

<b>Beginning of Year</b>	<b>Assets</b> <i>(in millions)</i>	<b>Liabilities*</b> <i>(in millions)</i>	<b>Overfunding</b> <i>(in millions)</i>	<b>Funding Ratio</b>	<b>PBGC Rate</b>
1980	\$15,543	\$9,417	\$6,126	165%	8.50%
1985	65,368	46,697	18,672	140%	9.75%
1990	109,836	88,062	21,773	125%	7.25%
1991	103,171	84,739	18,432	122%	7.25%
1992	90,880	76,204	14,676	119%	6.25%
1993	102,130	86,981	15,148	117%	6.40%
1994	77,907	68,070	9,837	114%	5.65%
1995	91,240	77,024	14,216	118%	7.15%
1996	70,224	62,185	8,039	113%	5.30%
1997	115,838	102,386	13,452	113%	5.80%
1998	124,073	111,435	12,638	111%	5.40%
1999	114,136	100,074	14,063	114%	5.30%
2000	245,930	207,877	38,054	118%	7.00%
2001	128,812	114,564	14,249	112%	6.40%
2002	34,766	31,522	3,245	110%	5.70%
2003	4,651	3,903	748	119%	5.00%
2004	4,694	4,060	634	116%	4.00%
2005	4,021	3,452	569	116%	3.90%
2006	7,523	6,489	1,034	116%	4.50%
2007	13,402	11,752	1,651	114%	4.99%
2008	30,022	27,793	2,230	108%	5.37%
2009	1,004	789	215	127%	5.38%
2010	1,659	1,298	360	128%	4.52%
2011	3,202	2,821	380	113%	4.26%
2012	516	342	174	151%	2.95%
2013	820	521	299	157%	2.68%

Source: Internal Revenue Service Form 5500 Series Filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 13.27 and 5.41 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 8 for non-annuitants and annuitants, respectively.

**Table M-12**  
**Concentration of Underfunding in PBGC-Insured Plans (1990-2013)**  
**Multiemployer Program**

Beginning of Year	Total Underfunding (in millions)	10 Plans with the Highest Underfunding (in millions)		Next 40 Plans' Underfunding (in millions)		All Other Plans' Underfunding (in millions)	
1990	\$11,574	\$6,760	58.4%	\$2,791	24.1%	\$2,023	17.5%
1991	13,068	7,906	60.5%	3,123	23.9%	2,038	15.6%
1992	17,835	9,500	53.3%	4,411	24.7%	3,923	22.0%
1993	19,864	10,348	52.1%	4,927	24.8%	4,590	23.1%
1994	29,193	13,575	46.5%	7,012	24.0%	8,606	29.5%
1995	22,726	11,340	49.9%	6,236	27.4%	5,150	22.7%
1996	40,019	16,157	40.4%	10,900	27.2%	12,962	32.4%
1997	32,549	14,666	45.1%	8,166	25.1%	9,717	29.9%
1998	39,497	17,532	44.4%	9,375	23.7%	12,590	31.9%
1999	44,379	19,244	43.4%	10,675	24.1%	14,459	32.6%
2000	21,135	11,493	54.4%	5,255	24.9%	4,387	20.8%
2001	48,412	20,032	41.4%	11,193	23.1%	17,187	35.5%
2002	102,469	34,276	33.5%	24,641	24.0%	43,552	42.5%
2003	178,915	57,902	32.4%	40,600	22.7%	80,413	44.9%
2004	209,181	63,736	30.5%	48,901	23.4%	96,544	46.2%
2005	226,717	68,829	30.4%	52,710	23.2%	105,178	46.4%
2006	200,701	62,461	31.1%	47,822	23.8%	90,418	45.1%
2007	192,849	59,583	30.9%	47,345	24.6%	85,920	44.6%
2008	210,167	58,100	27.6%	55,648	26.5%	96,419	45.9%
2009	345,788	94,545	27.3%	90,896	26.3%	160,347	46.4%
2010	391,027	106,143	27.1%	102,595	26.2%	182,288	46.6%
2011	401,080	108,541	27.1%	108,402	27.0%	184,137	45.9%
2012	572,228	153,240	26.8%	153,269	26.8%	265,719	46.4%
2013	611,115	164,733	27.0%	165,036	27.0%	281,346	46.0%

Source: Internal Revenue Service Form 5500 Series Filings.

Data for plan years prior to 1999 include only plans with 100 or more participants.

Due to rounding of individual items, numbers may not add up across columns.

Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 13.27 and 5.41 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 8 for non-annuitants and annuitants, respectively. As a point of reference the underfunding for 2012 derived using the previous factors would be \$553,842.

**Table M-13**  
**Plans, Participants, and Funding of PBGC-Insured Plans by Funding Ratio (2013)**  
**Multiemployer Program**

Funding Ratio	Plans		Participants		Total Liabilities* <i>(in millions)</i>		Underfunding <i>(in millions)</i>		Overfunding <i>(in millions)</i>	
Receiving Financial Assistance	41	2.86%	69,446	0.67%	\$193	**	\$189	**	---	---
Terminated Booked Plans****	59	4.11%	73,011	0.70%	3,331	0.32%	1,828	0.30%	---	---
Less Than 40%	468	32.61%	5,148,170	49.51%	539,474	52.19%	357,586	58.50%	---	---
40% - 49%	487	33.94%	2,954,596	28.41%	296,995	28.73%	164,755	26.95%	---	---
50% - 59%	238	16.59%	1,851,577	17.81%	169,753	16.42%	79,759	13.05%	---	---
60% - 69%	72	5.02%	175,669	1.69%	14,976	1.45%	5,424	0.89%	---	---
70% - 79%	38	2.65%	55,727	0.54%	4,790	0.46%	1,204	0.20%	---	---
80% - 89%	10	0.70%	51,201	0.49%	3,692	0.36%	546	0.09%	---	---
90% - 99%	8	0.56%	9,743	0.09%	227	**	13	**	---	---
100% - 109%	3	0.21%	3,018	**	154	**	---	---	\$2	0.75%
110% - 119%	1	0.07%	885	**	31	**	---	---	5	1.80%
120% - 129%	2	0.14%	1,074	**	6	**	---	---	1	0.44%
130% - 139%	1	0.07%	2,779	**	253	**	---	---	97	32.49%
140% - 149%	1	0.07%	606	**	8	**	---	---	3	1.11%
150% or More	4	0.28%	1,498	**	69	**	---	---	190	63.42%
Subtotal	1,333	92.89%	10,329,554	99.33%	\$1,030,426	99.68%	\$611,115	---	\$299	---
Total	1,435	100.00%	10,399,000	100.00%	\$1,033,757	100.00%	\$611,303	100.00%	\$299	100.00%
Underfunded	1380	96.17%	10,319,694	99.24%	\$1,033,237	99.95%	\$611,303	100.00%	---	---
Overfunded	12	0.84%	9,860	0.09%	\$521	0.05%	---	---	\$299	100.00%

Source: Internal Revenue Service Form 5500 Series Filings.

Due to aggregation and rounding of individual items, numbers may not add up to total and percentages may not add up to 100%.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 13.27 and 5.41 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 8 for non-annuitants and annuitants, respectively.

\*\* Less than 0.05 of one percent.

\*\*\* Less than \$500,000.

\*\*\*\*Terminated Booked plans are plans that are expected to become insolvent and whose liabilities have been included in PBGC's financial position and liabilities however they are not yet insolvent and may never require assistance. Assets are taken from the Schedule H and liabilities are estimated based on Present Values of outstanding liabilities.

**Table M-14**  
**Funding of PBGC-Insured Plans by Industry (2013)**  
**Multiemployer Program**

<b>Industry</b>	<b>Average Funding Ratio</b>	<b>Total Liabilities* (in millions)</b>		<b>Underfunding (in millions)</b>		<b>Overfunding (in millions)</b>	
<b>AGRICULTURE</b>	<b>44%</b>	<b>\$1,016</b>	<b>0.1%</b>	<b>\$444</b>	<b>0.1%</b>	---	---
<b>MINING</b>	<b>49%</b>	<b>11,286</b>	<b>1.1%</b>	<b>6,747</b>	<b>1.1%</b>	---	---
<b>CONSTRUCTION</b>	<b>44%</b>	<b>505,423</b>	<b>48.9%</b>	<b>297,704</b>	<b>48.7%</b>	<b>105</b>	<b>34.9%</b>
Building Construction	43%	84,960	8.2%	51,606	8.4%	---	---
Heavy Construction	46%	86,806	8.4%	49,512	8.1%	---	---
Plumbing, Heating, and Air Conditioning	44%	68,791	6.7%	39,441	6.5%	2	0.7%
Electrical Work	44%	76,572	7.4%	43,909	7.2%	---	---
Building Finishing Contractors	46%	31,545	3.1%	19,534	3.2%	---	---
Foundation, Structure, and Exterior Work	45%	79,945	7.7%	48,413	7.9%	102	34.2%
Other Construction	44%	76,804	7.4%	45,288	7.4%	---	---
<b>MANUFACTURING</b>	<b>41%</b>	<b>63,684</b>	<b>6.2%</b>	<b>36,494</b>	<b>6.0%</b>	<b>73</b>	<b>24.2%</b>
Food and Tobacco Products	39%	19,311	1.9%	11,832	1.9%	---	---
Apparel and Textile Products	42%	36	0.0%	21	0.0%	---	---
Paper and Allied Products	27%	5,058	0.5%	3,245	0.5%	---	---
Printing and Publishing	26%	8,676	0.8%	5,515	0.9%	---	---
Furniture and Fixtures	26%	444	0.0%	315	0.1%	---	---
Machinery and Computer Equipment	79%	19,102	1.8%	9,566	1.6%	69	23.1%
Electrical and Electronic Equipment	51%	386	0.0%	173	0.0%	---	---
Other Manufacturing	45%	10,670	1.0%	5,827	1.0%	3	1.1%
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	<b>76%</b>	<b>210,959</b>	<b>20.4%</b>	<b>128,142</b>	<b>21.0%</b>	<b>122</b>	<b>40.6%</b>
Trucking	37%	185,846	18.0%	115,131	18.8%	---	---
Water Transportation	163%	19,634	1.9%	10,050	1.6%	122	40.6%
Other Transportation and Public Utilities	43%	5,479	0.5%	2,960	0.5%	---	---
<b>INFORMATION</b>	<b>41%</b>	<b>25,178</b>	<b>2.4%</b>	<b>15,496</b>	<b>2.5%</b>	---	---
<b>WHOLESALE TRADE</b>	<b>47%</b>	<b>2,910</b>	<b>0.3%</b>	<b>1,485</b>	<b>0.2%</b>	---	---
<b>RETAIL TRADE</b>	<b>38%</b>	<b>76,575</b>	<b>7.4%</b>	<b>44,587</b>	<b>7.3%</b>	---	---
<b>SERVICES</b>	<b>47%</b>	<b>136,726</b>	<b>13.2%</b>	<b>80,017</b>	<b>13.1%</b>	<b>1</b>	<b>0.2%</b>
Administration/Support	43%	21,432	2.1%	13,069	2.1%	---	---
Health Care/Social Assistance	43%	33,080	3.2%	18,595	3.0%	---	---
Accommodation/Food Service	48%	21,812	2.1%	12,839	2.1%	---	---
Other Services	44%	60,402	5.8%	35,514	5.8%	0.6	0.2%
<b>TOTAL</b>	<b>41%</b>	<b>\$1,033,757</b>	<b>100.0%</b>	<b>\$611,115</b>	<b>100.0%</b>	<b>\$299</b>	<b>100.0%</b>

Source: Internal Revenue Service Form 5500 Series Filings.

Due to rounding of individual items, numbers may not add up to totals and percentages may not add up to 100%.

\* Vested liabilities have been adjusted to the PBGC rate that, along with an assumed mortality table, reflects the cost to purchase an annuity at the beginning of the relevant year. The assumed mortality table was UP-84 for 1980-1992, GAM-83 for 1993-2006, and the mortality table found in section 1.412(l)(7)-1 of the Income Tax Regulations for 2007 and later. Before plan year 2012, durations of 13.27 and 5.41 for non-annuitants and annuitant liability, respectively, were used in the calculation. For plan year 2012 these durations were updated. The new values are 14 and 8 for non-annuitants and annuitants,

\*\* Less than \$500,000.

\*\*\* Less than 0.05 of one percent.



**Table M-15**  
**PBGC Maximum Guaranteed Benefits (1980-2016)**  
**Multiemployer Program**

Date of Plan Insolvency	Monthly Benefit Formula	Maximum Monthly Guarantee <i>(30 Years of Service)*</i>	Maximum Annual Guarantee <i>(30 Years of Service)*</i>
September 27, 1980 to December 21, 2000	<p>The participant's years of service multiplied by the sum of:</p> <p>(1) 100% of the first \$5 of the monthly benefit accrual rate</p> <p align="center">-plus-</p> <p>(2) 75% of the next \$15 of the monthly benefit accrual rate</p>	<b>\$487.50</b>	<b>\$5,850.00</b>
On or after December 22, 2000**	<p>The participant's years of service multiplied by the sum of:</p> <p>(1) 100% of the first \$11 of the monthly benefit accrual rate</p> <p align="center">-plus-</p> <p>(2) 75% of the next \$33 of the monthly benefit accrual rate</p>	<b>\$1,072.50</b>	<b>\$12,870.00</b>

\* The formula presumes that the workers' monthly benefits are calculated by multiplying the monthly benefit accrual rate (a plan-specified dollar amount) times years of service. If the monthly benefit accrual rate prior to December 22, 2000, was less than \$20 per year of service or if the accrual rate after December 21, 2000 is less than \$44 per year of service then the maximum benefit guarantee for a participant with 30 years of service will be lower than the amounts shown. Note that there is no cap on applicable years of service; 30 years was selected for illustrative purposes only.

\*\* The increased guarantee does not apply to multiemployer plans that received financial aid from PBGC between December 22, 1999, and December 21, 2000. The original, lower monthly benefit guarantee continues to apply to participants in these plans.

**Table M-16  
PBGC's Historic Premium Rates  
Multiemployer Program**

For Plan Years Beginning	Premium Rate (per participant)
September 2, 1974 - August 31, 1979	\$0.50
September 1, 1979 - September 26, 1980	\$0.50 for plan years beginning in September, 1979, growing gradually to \$1.00 for plan years beginning September 1, 1980 to September 26, 1980
September 27, 1980 - September 26, 1984	\$1.40
September 27, 1984 - September 26, 1986	\$1.80
September 27, 1986 - September 26, 1988	\$2.20
September 27, 1988 - December 31, 2005	\$2.60
2006 - 2007	\$8.00*
2008 - 2012	\$9.00
2013	\$12.00
2014	\$12.00
2015	\$26.00
2016	\$27.00

*\* Beginning in 2007 and ending December 31, 2012, this amount was adjusted annually based on changes in the national average wage index (as defined in section 209(k)(1) of the Social Security Act). The premium rate did not decline even if the national average wage index declined. The adjusted premium rate was rounded to the nearest multiple of \$1.*

**Table M-17**  
**Participants by Plan Zone Status and Participant Status**  
**Multiemployer Program**

Zone Status	Participant Status	Participants				
		2009	2010	2011	2012	2013
Red	Active	38.5%	35.1%	31.6%	30.4%	29.7%
	In Pay	33.0%	34.2%	36.3%	37.8%	38.3%
	Separated Vested	28.5%	30.7%	32.1%	31.8%	32.0%
	Total Participants	3,957,806	4,057,481	3,520,215	3,507,375	3,517,297
	Percent of System	38.2%	39.4%	34.4%	34.1%	34.3%
Orange	Active	33.6%	27.4%	20.5%	21.9%	15.0%
	In Pay	38.5%	54.2%	64.2%	64.8%	76.8%
	Separated Vested	28.0%	18.5%	15.3%	13.3%	8.3%
	Total Participants	1,470,640	331,945	193,359	192,756	137,176
	Percent of System	14.2%	3.2%	1.9%	1.9%	1.3%
Yellow	Active	45.8%	44.0%	42.8%	42.7%	41.5%
	In Pay	30.9%	32.9%	34.9%	35.4%	35.1%
	Separated Vested	23.3%	23.1%	22.3%	21.9%	23.5%
	Total Participants	1,824,194	1,367,195	1,224,323	1,341,428	1,312,725
	Percent of System	17.6%	13.3%	12.0%	13.0%	12.8%
Green	Active	47.1%	43.0%	43.2%	43.2%	43.2%
	In Pay	27.3%	29.9%	30.1%	29.6%	30.0%
	Separated Vested	25.5%	27.0%	26.7%	27.2%	26.8%
	Total Participants	3,099,305	4,545,595	5,293,645	5,239,917	5,278,489
	Percent of System	29.9%	44.1%	51.7%	51.0%	51.5%

Source: Internal Revenue Service Form 5500 Series Filings.