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Facts & Assumptions

POL

Valuation Date: 6/30/2001

Calculation Methodology	Alternative Measurement Method
Actuarial Valuation Date	6/30/2001
Discount Rate	5.5%
Inflation Rate	3.3%
Payroll Growth Rate	3.3%
Actuarial Value of Plan Assets	\$0.00
Average Life Expectancy	18
Retirement Age	62
Marital and Dependency Status	Marital status of members at the calculation date is assumed to continue throughout retirement
Mortality Table	Life expectancies were based on mortality tables from the National Center for Health Statistics
Minimum Amortization Period	30
Turnover Assumption	Table provided in Table 1 in paragraph 45b of Statement 45
Healthcare Cost Assumption:	National Health Care Expenditures Projections: 2000-2010

Medical Premium Rates

POL

Valuation Date: 6/30/2001

Category	Total Premium	Employer Portion
Pre-Age 65 (Not Medicare eligible)		
Single	\$5,267	\$4,476
Married	\$10,913	\$9,276
Ages 65 and Older (Medicare eligible)		
Single	\$2,118	\$1,800
Married (EE and Spouse 65 or Older)	\$4,376	\$3,720
Married (EE or Spouse 65 or Older)	\$7,384	\$6,276

Premium Expiration Date: 6/30/2001

Healthcare Cost Trend Rates

POL

Valuation Date: 6/30/2001

Year	Rates
2002	9.50 %
2003	9.30 %
2004	8.30 %
2005	7.60 %
2006	6.70 %
2007	6.10 %
2008	5.60 %

Healthcare cost trend rate (Statement 45 paragraph 34f). The expected rate of increase in healthcare insurance premiums is based on the most recent projections as of the calculation data made by the Office of the Actuary at the Centers for Medicare & Medicaid Services, as published in National Health Care Expenditures Projections 2000-2010.

Plan Members Report

POL

Valuation Date: 6/30/2001

Name	Status	Age	Years Service	Retirement Age	Gender	Marital Status	Spouse Age
Participant 17	Retired	64	0	60	M	S	61
Participant 18	Retired	76	0	62	M	M	81
Participant 15	Retired	75	0	65	M	M	70
Participant 16	Retired	71	0	62	F	S	74
Participant 13	Retired	60	0	56	F	S	63
Participant 14	Retired	68	0	66	M	M	62
Participant 11	Active	25	2	62	F	S	28
Participant 12	Active	22	1	62	M	S	19
Participant 09	Active	36	13	62	F	S	39
Participant 10	Active	30	4	62	F	S	33
Participant 08	Active	33	2	62	M	S	30
Participant 07	Active	40	8	62	M	S	37
Participant 06	Active	52	12	62	M	M	52
Participant 05	Active	58	25	62	M	M	50
Participant 04	Active	34	1	62	M	M	26
Participant 03	Active	40	6	62	F	M	38
Participant 02	Active	28	3	62	F	M	30
Participant 01	Active	46	10	62	M	M	42

OPEB - Calculation of ARC

Aggregate Cost Method

UAAL Amortized as a Level Dollar Amount

POL
Valuation Date: 6/30/2001

Member	Years of Past Service	Current Age	Assumed Age at Retirement	Current-Age Interest-Discounted Present Value of Total Benefits to be Paid	Probability of Remaining Employed from Current Age Until Assumed Retirement Age	Current-Age Probability-Adjusted Interest-Discounted Present Value of Total Benefits to be Paid	Projected Service Years at Retirement	Normal Cost at Current Age	AAL
Participant 01	10	46	62	\$116,248	0.943	\$109,622	26	\$4,216	\$42,160
Participant 02	3	28	62	\$82,635	0.534	\$44,127	37	\$1,193	\$3,579
Participant 03	6	40	62	\$104,318	0.841	\$87,731	28	\$3,133	\$18,798
Participant 04	1	34	62	\$134,277	0.703	\$94,397	29	\$3,255	\$3,255
Participant 05	25	58	62	\$142,410	1	\$142,410	29	\$4,911	\$122,775
Participant 06	12	52	62	\$99,241	1	\$99,241	22	\$4,511	\$54,132
Participant 07	8	40	62	\$42,108	0.841	\$35,413	30	\$1,180	\$9,440
Participant 08	2	33	62	\$40,191	0.677	\$27,209	31	\$878	\$1,756
Participant 09	13	36	62	\$51,046	0.753	\$38,438	39	\$986	\$12,818
Participant 10	4	30	62	\$51,336	0.593	\$30,442	36	\$846	\$3,384
Participant 11	2	25	62	\$49,358	0.44	\$21,718	39	\$557	\$1,114
Participant 12	1	22	62	\$38,397	0.349	\$13,401	41	\$327	\$327
Participant 13	0	60	56	\$63,640	1	\$63,640			\$63,640
Participant 14	0	68	66	\$86,088	1	\$86,088			\$86,088
Participant 15	0	75	65	\$53,539	1	\$53,539			\$53,539
Participant 16	0	71	62	\$31,406	1	\$31,406			\$31,406
Participant 17	0	64	60	\$38,538	1	\$38,538			\$38,538
Participant 18	0	76	62	\$18,620	1	\$18,620			\$18,620
				\$1,243,396		\$1,035,980		\$25,993	\$565,369

OPEB - Calculation of ARC

Aggregate Cost Method

UAAL Amortized as a Level Dollar Amount

POL

Valuation Date: 6/30/2001

ARC Calculation

Amortization Component

Current age probability-adjusted present value of benefits to be paid	\$1,035,980.00
Less Assets	\$0.00
Present Value of Future Normal Cost	<u>\$1,035,980.00</u>
Divided by PV Factor	11.8646
Normal Cost	<u>\$87,316.83</u>
Interest	\$4,802.43
Total Normal Cost (ARC)	<u>\$92,119.25</u>

OPEB - Calculation of ARC

Unit Credit Cost Method

UAAL Amortized as a Level Dollar Amount

POL

Valuation Date: 6/30/2001

Member	Years of Past Service	Current Age	Assumed Age at Retirement	Current-Age Interest-Discounted Present Value of Total Benefits to be Paid	Probability of Remaining Employed from Current Age Until Assumed Retirement Age	Current-Age Probability-Adjusted Interest-Discounted Present Value of Total Benefits to be Paid	Projected Service Years at Retirement	Normal Cost at Current Age	AAL
Participant 01	10	46	62	\$116,248	0.943	\$109,622	26	\$4,216	\$42,160
Participant 02	3	28	62	\$82,635	0.534	\$44,127	37	\$1,193	\$3,579
Participant 03	6	40	62	\$104,318	0.841	\$87,731	28	\$3,133	\$18,798
Participant 04	1	34	62	\$134,277	0.703	\$94,397	29	\$3,255	\$3,255
Participant 05	25	58	62	\$142,410	1	\$142,410	29	\$4,911	\$122,775
Participant 06	12	52	62	\$99,241	1	\$99,241	22	\$4,511	\$54,132
Participant 07	8	40	62	\$42,108	0.841	\$35,413	30	\$1,180	\$9,440
Participant 08	2	33	62	\$40,191	0.677	\$27,209	31	\$878	\$1,756
Participant 09	13	36	62	\$51,046	0.753	\$38,438	39	\$986	\$12,818
Participant 10	4	30	62	\$51,336	0.593	\$30,442	36	\$846	\$3,384
Participant 11	2	25	62	\$49,358	0.44	\$21,718	39	\$557	\$1,114
Participant 12	1	22	62	\$38,397	0.349	\$13,401	41	\$327	\$327
Participant 13	0	60	56	\$63,640	1	\$63,640			\$63,640
Participant 14	0	68	66	\$86,088	1	\$86,088			\$86,088
Participant 15	0	75	65	\$53,539	1	\$53,539			\$53,539
Participant 16	0	71	62	\$31,406	1	\$31,406			\$31,406
Participant 17	0	64	60	\$38,538	1	\$38,538			\$38,538
Participant 18	0	76	62	\$18,620	1	\$18,620			\$18,620
				\$1,243,396		\$1,035,980		\$25,993	\$565,369

OPEB - Calculation of ARC

Unit Credit Cost Method

UAAL Amortized as a Level Dollar Amount

POL

Valuation Date: 6/30/2001

ARC Calculation

Normal Cost Component

Normal Cost	\$25,993.00
Interest	\$1,429.62
Total Normal Cost	\$27,422.62

Amortization Component

AAL	\$565,369.00
Less Assets	\$0.00
UAAL	\$565,369.00
Divided by PV Factor	15.3331
Amortization Payment	\$36,872.45
Interest	\$2,027.98
Total Amortization Payment	\$38,900.43

Annual Required Contribution **\$66,323.05**

OPEB - Calculation of ARC

Unit Credit Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL

Valuation Date: 6/30/2001

Member	Years of Past Service	Current Age	Assumed Age at Retirement	Current-Age Interest-Discounted Present Value of Total Benefits to be Paid	Probability of Remaining Employed from Current Age Until Assumed Retirement Age	Current-Age Probability-Adjusted Interest-Discounted Present Value of Total Benefits to be Paid	Projected Service Years at Retirement	Normal Cost at Current Age	AAL
Participant 01	10	46	62	\$116,248	0.943	\$109,622	26	\$4,216	\$42,160
Participant 02	3	28	62	\$82,635	0.534	\$44,127	37	\$1,193	\$3,579
Participant 03	6	40	62	\$104,318	0.841	\$87,731	28	\$3,133	\$18,798
Participant 04	1	34	62	\$134,277	0.703	\$94,397	29	\$3,255	\$3,255
Participant 05	25	58	62	\$142,410	1	\$142,410	29	\$4,911	\$122,775
Participant 06	12	52	62	\$99,241	1	\$99,241	22	\$4,511	\$54,132
Participant 07	8	40	62	\$42,108	0.841	\$35,413	30	\$1,180	\$9,440
Participant 08	2	33	62	\$40,191	0.677	\$27,209	31	\$878	\$1,756
Participant 09	13	36	62	\$51,046	0.753	\$38,438	39	\$986	\$12,818
Participant 10	4	30	62	\$51,336	0.593	\$30,442	36	\$846	\$3,384
Participant 11	2	25	62	\$49,358	0.44	\$21,718	39	\$557	\$1,114
Participant 12	1	22	62	\$38,397	0.349	\$13,401	41	\$327	\$327
Participant 13	0	60	56	\$63,640	1	\$63,640			\$63,640
Participant 14	0	68	66	\$86,088	1	\$86,088			\$86,088
Participant 15	0	75	65	\$53,539	1	\$53,539			\$53,539
Participant 16	0	71	62	\$31,406	1	\$31,406			\$31,406
Participant 17	0	64	60	\$38,538	1	\$38,538			\$38,538
Participant 18	0	76	62	\$18,620	1	\$18,620			\$18,620
				\$1,243,396		\$1,035,980		\$25,993	\$565,369

OPEB - Calculation of ARC

Unit Credit Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL

Valuation Date: 6/30/2001

ARC Calculation

Normal Cost Component

Normal Cost	\$25,993.00
Interest	\$1,429.62
Total Normal Cost	\$27,422.62

Amortization Component

AAL	\$565,369.00
Less Assets	\$0.00
UAAL	\$565,369.00
Divided by PV Factor	22.4707
Amortization Payment	\$25,160.28
Interest	\$1,383.82
Total Amortization Payment	\$26,544.09

Annual Required Contribution **\$53,966.71**

OPEB - Calculation of ARC

Entry Age Cost Method

UAAL Amortized as a Level Dollar Amount

POL
Valuation Date: 6/30/2001

Member	Entry Age	Current Age	Current Age Probability Adjusted Interest Discounted PV of Total Benefits to be Paid	Entry Age Probability Adjusted interest Discounted PV of Total Benefits to Be Paid	PV Factor of \$1 per Year from Entry Age to Retirement Age	Normal Cost a Entry Age	Normal Cost at Current Age	PV Factor of \$1 per Year from Current Age to Retirement Age	Present Value of Future Normal Cost	AAL
Participant 01	36	46	\$109,622	51,246.00	12.9504	\$3,957	\$5,475	10.5896	\$41,903	\$67,719
Participant 02	25	28	\$44,127	30,964.00	12.9504	\$2,391	\$2,636	13.2752	\$31,741	\$12,386
Participant 03	34	40	\$87,731	53,186.00	13.2752	\$4,006	\$4,868	12.2461	\$49,058	\$38,673
Participant 04	33	34	\$94,397	86,166.00	13.2752	\$6,491	\$6,705	13.2752	\$86,170	\$8,227
Participant 05	33	58	\$142,410	25,282.00	13.2752	\$1,904	\$4,287	3.6979	\$7,041	\$135,369
Participant 06	40	52	\$99,241	43,899.00	12.2461	\$3,585	\$5,293	7.9522	\$28,509	\$70,732
Participant 07	32	40	\$35,413	17,834.00	13.2752	\$1,343	\$1,741	12.2461	\$16,446	\$18,967
Participant 08	31	33	\$27,209	22,460.00	13.2752	\$1,692	\$1,806	13.2752	\$22,462	\$4,747
Participant 09	23	36	\$38,438	9,645.00	12.6077	\$765	\$1,167	12.9504	\$9,907	\$28,531
Participant 10	26	30	\$30,442	19,559.00	12.9504	\$1,510	\$1,719	13.2752	\$20,046	\$10,396
Participant 11	23	25	\$21,718	16,807.00	12.6077	\$1,333	\$1,422	12.9504	\$17,263	\$4,455
Participant 12	21	22	\$13,401	11,683.00	12.2461	\$954	\$985	12.2461	\$11,683	\$1,718
Participant 13	44	60	\$63,640	58,040.00	8.5376					\$63,640
Participant 14	35	68	\$86,088	62,758.00	13.8750					\$86,088
Participant 15	60	75	\$53,539	53,539.00	4.5052					\$53,539
Participant 16	50	71	\$31,406	31,406.00	9.0925					\$31,406
Participant 17	50	64	\$38,538	38,538.00	7.9522					\$38,538
Participant 18	58	76	\$18,620	18,620.00	3.6979					\$18,620
			\$1,035,980			\$29,931	\$38,104			\$693,751

OPEB - Calculation of ARC

Entry Age Cost Method

UAAL Amortized as a Level Dollar Amount

POL

Valuation Date: 6/30/2001

ARC Calculation Normal Cost Component

Normal Cost	\$29,931.00
Interest	\$1,646.21
Total Normal Cost	\$31,577.21

Amortization Component

AAL	\$693,751.00
Less Assets	\$0.00
UAAL	\$693,751.00
Divided by PV Factor	15.3331
Amortization Payment	\$45,245.32
Interest	\$2,488.49
Total Amortization Payment	\$47,734

Annual Required Contribution **\$79,311.01**

OPEB - Calculation of ARC

Entry Age Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL

Valuation Date: 6/30/2001

Member	Entry Age	Current Age	Current Age Probability Adjusted Interest Discounted PV of Total Benefits to be Paid	Entry Age Probability Adjusted interest Discounted PV of Total Benefits to Be Paid	PV Factor of \$1 per Year from Entry Age to Retirement Age	Normal Cost a Entry Age	Normal Cost at Current Age	PV Factor of \$1 per Year from Current Age to Retirement Age	Present Value of Future Normal Cost	AAL
Participant 01	36	46	\$109,622	51,246.00	17.1486	\$2,988	\$4,134	12.9965	\$53,727	\$55,895
Participant 02	25	28	\$44,127	30,964.00	17.1486	\$1,806	\$1,991	17.7910	\$35,422	\$8,705
Participant 03	34	40	\$87,731	53,186.00	17.7910	\$2,989	\$3,632	15.8224	\$57,467	\$30,264
Participant 04	33	34	\$94,397	86,166.00	17.7910	\$4,843	\$5,003	17.7910	\$89,008	\$5,389
Participant 05	33	58	\$142,410	25,282.00	17.7910	\$1,421	\$3,200	3.8766	\$12,405	\$130,005
Participant 06	40	52	\$99,241	43,899.00	15.8224	\$2,774	\$4,096	9.1119	\$37,322	\$61,919
Participant 07	32	40	\$35,413	17,834.00	17.7910	\$1,002	\$1,299	15.8224	\$20,553	\$14,860
Participant 08	31	33	\$27,209	22,460.00	17.7910	\$1,262	\$1,347	17.7910	\$23,964	\$3,245
Participant 09	23	36	\$38,438	9,645.00	16.4925	\$585	\$892	17.1486	\$15,297	\$23,141
Participant 10	26	30	\$30,442	19,559.00	17.1486	\$1,141	\$1,299	17.7910	\$23,110	\$7,332
Participant 11	23	25	\$21,718	16,807.00	16.4925	\$1,019	\$1,087	17.1486	\$18,641	\$3,077
Participant 12	21	22	\$13,401	11,683.00	15.8224	\$738	\$762	15.8224	\$12,057	\$1,344
Participant 13	44	60	\$63,640	58,040.00	9.9219					\$63,640
Participant 14	35	68	\$86,088	62,758.00	19.0359					\$86,088
Participant 15	60	75	\$53,539	53,539.00	4.7958					\$53,539
Participant 16	50	71	\$31,406	31,406.00	10.7150					\$31,406
Participant 17	50	64	\$38,538	38,538.00	9.1119					\$38,538
Participant 18	58	76	\$18,620	18,620.00	3.8766					\$18,620
			\$1,035,980			\$22,568	\$28,742			\$637,007

OPEB - Calculation of ARC

Entry Age Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL

Valuation Date: 6/30/2001

ARC Calculation

Normal Cost Component

Normal Cost	\$28,742.00
Interest	\$1,580.81
Total Normal Cost	\$30,322.81

Amortization Component

AAL	\$637,007.00
Less Assets	\$0.00
UAAL	\$637,007.00
Divided by PV Factor	22.4707
Amortization Payment	\$28,348.34
Interest	\$1,559.16
Total Amortization Payment	\$29,907

Annual Required Contribution **\$60,230.31**

OPEB - Calculation of ARC

Attained Age Cost Method

UAAL Amortized as a Level Dollar Amount

POL
Valuation Date: 6/30/2001

Member	Years of Past Service	Current Age	Assumed Age at Retirement	Current-Age Interest-Discounted Present Value of Total Benefits to be Paid	Probability of Remaining Employed from Current Age Until Assumed Retirement Age	Current-Age Probability-Adjusted Interest-Discounted Present Value of Total Benefits to be Paid	Projected Service Years at Retirement	Normal Cost at Current Age	AAL	Current Year Normal Cost
Participant 01	10	46	62	\$116,248	0.943	\$109,622	26	\$4,216	\$42,160	\$6,371
Participant 02	3	28	62	\$82,635	0.534	\$44,127	37	\$1,193	\$3,579	\$3,054
Participant 03	6	40	62	\$104,318	0.841	\$87,731	28	\$3,133	\$18,798	\$5,629
Participant 04	1	34	62	\$134,277	0.703	\$94,397	29	\$3,255	\$3,255	\$6,866
Participant 05	25	58	62	\$142,410	1	\$142,410	29	\$4,911	\$122,775	\$5,310
Participant 06	12	52	62	\$99,241	1	\$99,241	22	\$4,511	\$54,132	\$5,673
Participant 07	8	40	62	\$42,108	0.841	\$35,413	30	\$1,180	\$9,440	\$2,121
Participant 08	2	33	62	\$40,191	0.677	\$27,209	31	\$878	\$1,756	\$1,917
Participant 09	13	36	62	\$51,046	0.753	\$38,438	39	\$986	\$12,818	\$1,978
Participant 10	4	30	62	\$51,336	0.593	\$30,442	36	\$846	\$3,384	\$2,038
Participant 11	2	25	62	\$49,358	0.44	\$21,718	39	\$557	\$1,114	\$1,591
Participant 12	1	22	62	\$38,397	0.349	\$13,401	41	\$327	\$327	\$1,068
Participant 13	0	60	56	\$63,640	1	\$63,640	0		\$63,640	
Participant 14	0	68	66	\$86,088	1	\$86,088	0		\$86,088	
Participant 15	0	75	65	\$53,539	1	\$53,539	0		\$53,539	
Participant 16	0	71	62	\$31,406	1	\$31,406	0		\$31,406	
Participant 17	0	64	60	\$38,538	1	\$38,538	0		\$38,538	
Participant 18	0	76	62	\$18,620	1	\$18,620	0		\$18,620	
				\$1,243,396		\$1,035,980		\$25,993	\$565,369	\$43,615.2

OPEB - Calculation of ARC
Attained Age Cost Method
 UAAL Amortized as a Level Dollar Amount

POL
 Valuation Date: 6/30/2001

ARC Calculation	
Normal Cost Component	
Normal Cost	\$43,615.17
Interest	\$2,398.83
Total Normal Cost	\$46,014.00
Amortization Component	
AAL	\$565,369.00
Less Assets	\$0.00
UAAL	\$565,369.00
Divided by PV Factor	15.3331
Amortization Payment	\$36,872.45
Interest	\$2,027.98
Total Amortization Payment	\$38,900.43
Annual Required Contribution	\$84,914.44

OPEB - Calculation of ARC

Attained Age Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL
Valuation Date: 6/30/2001

Member	Years of Past Service	Current Age	Assumed Age at Retirement	Current-Age Interest-Discounted Present Value of Total Benefits to be Paid	Probability of Remaining Employed from Current Age Until Assumed Retirement Age	Current-Age Probability-Adjusted Interest-Discounted Present Value of Total Benefits to be Paid	Projected Service Years at Retirement	Normal Cost at Current Age	AAL	Current Year Normal Cost
Participant 01	10	46	62	\$116,248	0.943	\$109,622	26	\$4,216	\$42,160	\$5,191
Participant 02	3	28	62	\$82,635	0.534	\$44,127	37	\$1,193	\$3,579	\$2,279
Participant 03	6	40	62	\$104,318	0.841	\$87,731	28	\$3,133	\$18,798	\$4,357
Participant 04	1	34	62	\$134,277	0.703	\$94,397	29	\$3,255	\$3,255	\$5,123
Participant 05	25	58	62	\$142,410	1	\$142,410	29	\$4,911	\$122,775	\$5,065
Participant 06	12	52	62	\$99,241	1	\$99,241	22	\$4,511	\$54,132	\$4,951
Participant 07	8	40	62	\$42,108	0.841	\$35,413	30	\$1,180	\$9,440	\$1,642
Participant 08	2	33	62	\$40,191	0.677	\$27,209	31	\$878	\$1,756	\$1,431
Participant 09	13	36	62	\$51,046	0.753	\$38,438	39	\$986	\$12,818	\$1,494
Participant 10	4	30	62	\$51,336	0.593	\$30,442	36	\$846	\$3,384	\$1,521
Participant 11	2	25	62	\$49,358	0.44	\$21,718	39	\$557	\$1,114	\$1,201
Participant 12	1	22	62	\$38,397	0.349	\$13,401	41	\$327	\$327	\$826
Participant 13	0	60	56	\$63,640	1	\$63,640	0		\$63,640	
Participant 14	0	68	66	\$86,088	1	\$86,088	0		\$86,088	
Participant 15	0	75	65	\$53,539	1	\$53,539	0		\$53,539	
Participant 16	0	71	62	\$31,406	1	\$31,406	0		\$31,406	
Participant 17	0	64	60	\$38,538	1	\$38,538	0		\$38,538	
Participant 18	0	76	62	\$18,620	1	\$18,620	0		\$18,620	
				\$1,243,396		\$1,035,980		\$25,993	\$565,369	\$35,079.9

OPEB - Calculation of ARC

Attained Age Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL

Valuation Date: 6/30/2001

ARC Calculation

Normal Cost Component

Normal Cost	\$35,079.93
Interest	\$1,929.40
Total Normal Cost	\$37,009.33

Amortization Component

AAL	\$565,369.00
Less Assets	\$0.00
UAAL	\$565,369.00
Divided by PV Factor	22.4707
Amortization Payment	\$25,160.28
Interest	\$1,383.82
Total Amortization Payment	\$26,544.09

Annual Required Contribution **\$63,553.42**

OPEB - Calculation of ARC

Frozen Attained Age Cost

UAAL Amortized as a Level Dollar Amount

POL
Valuation Date: 6/30/2001

Member	Years of Past Service	Current Age	Assumed Age at Retirement	Current-Age Interest-Discounted Present Value of Total Benefits to be Paid	Probability of Remaining Employed from Current Age Until Assumed Retirement Age	Current-Age Probability-Adjusted Interest-Discounted Present Value of Total Benefits to be Paid	Projected Service Years at Retirement	Normal Cost at Current Age	AAL
Participant 01	10	46	62	\$116,248	0.943	\$109,622	26	\$4,216	\$42,160
Participant 02	3	28	62	\$82,635	0.534	\$44,127	37	\$1,193	\$3,579
Participant 03	6	40	62	\$104,318	0.841	\$87,731	28	\$3,133	\$18,798
Participant 04	1	34	62	\$134,277	0.703	\$94,397	29	\$3,255	\$3,255
Participant 05	25	58	62	\$142,410	1	\$142,410	29	\$4,911	\$122,775
Participant 06	12	52	62	\$99,241	1	\$99,241	22	\$4,511	\$54,132
Participant 07	8	40	62	\$42,108	0.841	\$35,413	30	\$1,180	\$9,440
Participant 08	2	33	62	\$40,191	0.677	\$27,209	31	\$878	\$1,756
Participant 09	13	36	62	\$51,046	0.753	\$38,438	39	\$986	\$12,818
Participant 10	4	30	62	\$51,336	0.593	\$30,442	36	\$846	\$3,384
Participant 11	2	25	62	\$49,358	0.44	\$21,718	39	\$557	\$1,114
Participant 12	1	22	62	\$38,397	0.349	\$13,401	41	\$327	\$327
Participant 13	0	60	56	\$63,640	1	\$63,640	0		\$63,640
Participant 14	0	68	66	\$86,088	1	\$86,088	0		\$86,088
Participant 15	0	75	65	\$53,539	1	\$53,539	0		\$53,539
Participant 16	0	71	62	\$31,406	1	\$31,406	0		\$31,406
Participant 17	0	64	60	\$38,538	1	\$38,538	0		\$38,538
Participant 18	0	76	62	\$18,620	1	\$18,620	0		\$18,620
				\$1,243,396		\$1,035,980		\$25,993	\$565,369

OPEB - Calculation of ARC
Frozen Attained Age Cost Method
 UAAL Amortized as a Level Dollar Amount

POL
 Valuation Date: 6/30/2001

ARC Calculation

Current age probability-adjusted present value of benefits to be paid	\$1,035,980
Less: Assets	0
Less: Frozen UAAL	565,369
	<hr/> 470611
Divided by PV Factor	11.86
Normal Cost	\$39,665.00
Interest	\$2,181.58
Total Normal Cost	\$41,846.58

Amortization Component

AAL	\$565,369.00
Less Assets	\$0.00
UAAL	<hr/> \$565,369.00
Divided by PV Factor	15.3331
Amortization Payment	<hr/> \$36,872.45
Interest	\$2,027.98
Total Amortization Payment	<hr/> \$38,900.43 <hr/>
Annual Required Contribution	\$80,747.01

OPEB - Calculation of ARC

Frozen Attained Age Cost

UAAL Amortized as a Level Percentage of Payroll

POL
Valuation Date: 6/30/2001

Member	Years of Past Service	Current Age	Assumed Age at Retirement	Current-Age Interest-Discounted Present Value of Total Benefits to be Paid	Probability of Remaining Employed from Current Age Until Assumed Retirement Age	Current-Age Probability-Adjusted Interest-Discounted Present Value of Total Benefits to be Paid	Projected Service Years at Retirement	Normal Cost at Current Age	AAL
Participant 01	10	46	62	\$116,248	0.943	\$109,622	26	\$4,216	\$42,160
Participant 02	3	28	62	\$82,635	0.534	\$44,127	37	\$1,193	\$3,579
Participant 03	6	40	62	\$104,318	0.841	\$87,731	28	\$3,133	\$18,798
Participant 04	1	34	62	\$134,277	0.703	\$94,397	29	\$3,255	\$3,255
Participant 05	25	58	62	\$142,410	1	\$142,410	29	\$4,911	\$122,775
Participant 06	12	52	62	\$99,241	1	\$99,241	22	\$4,511	\$54,132
Participant 07	8	40	62	\$42,108	0.841	\$35,413	30	\$1,180	\$9,440
Participant 08	2	33	62	\$40,191	0.677	\$27,209	31	\$878	\$1,756
Participant 09	13	36	62	\$51,046	0.753	\$38,438	39	\$986	\$12,818
Participant 10	4	30	62	\$51,336	0.593	\$30,442	36	\$846	\$3,384
Participant 11	2	25	62	\$49,358	0.44	\$21,718	39	\$557	\$1,114
Participant 12	1	22	62	\$38,397	0.349	\$13,401	41	\$327	\$327
Participant 13	0	60	56	\$63,640	1	\$63,640	0		\$63,640
Participant 14	0	68	66	\$86,088	1	\$86,088	0		\$86,088
Participant 15	0	75	65	\$53,539	1	\$53,539	0		\$53,539
Participant 16	0	71	62	\$31,406	1	\$31,406	0		\$31,406
Participant 17	0	64	60	\$38,538	1	\$38,538	0		\$38,538
Participant 18	0	76	62	\$18,620	1	\$18,620	0		\$18,620
				\$1,243,396		\$1,035,980		\$25,993	\$565,369

OPEB - Calculation of ARC

Frozen Attained Age Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL
Valuation Date: 6/30/2001

ARC Calculation

Current age probability-adjusted present value of benefits to be paid	\$1,035,980
Less: Assets	0
Less: Frozen UAAL	565,369
	<hr/>
	470611
Divided by PV Factor	15.14
Normal Cost	\$31,088.00
Interest	\$1,709.84
Total Normal Cost	\$32,797.84

Amortization Component

AAL	\$565,369.00
Less Assets	\$0.00
UAAL	<hr/>
	\$565,369.00
Divided by PV Factor	22.4707
Amortization Payment	<hr/>
	\$25,160.28
Interest	\$1,383.82
Total Amortization Payment	<hr/>
	\$26,544.09
Annual Required Contribution	\$59,341.93

OPEB - Calculation of ARC

Frozen Entry Age Cost Method
 UAAL Amortized as a Level Dollar Amount

POL
 Valuation Date: 6/30/2001

Member	Entry Age	Current Age	Current Age Probability Adjusted Interest Discounted PV of Total Benefits to be Paid	Entry Age Probability Adjusted interest Discounted PV of Total Benefits to Be Paid	PV Factor of \$1 per Year from Entry Age to Retirement Age	Normal Cost a Entry Age	Normal Cost at Current Age	PV Factor of \$1 per Year from Current Age to Retirement Age	Present Value of Future Normal Cost	AAL
Participant 01	36	46	\$109,622	51,246.00	12.9504	\$3,957	\$5,475	10.5896	\$41,903	\$67,719
Participant 02	25	28	\$44,127	30,964.00	12.9504	\$2,391	\$2,636	13.2752	\$31,741	\$12,386
Participant 03	34	40	\$87,731	53,186.00	13.2752	\$4,006	\$4,868	12.2461	\$49,058	\$38,673
Participant 04	33	34	\$94,397	86,166.00	13.2752	\$6,491	\$6,705	13.2752	\$86,170	\$8,227
Participant 05	33	58	\$142,410	25,282.00	13.2752	\$1,904	\$4,287	3.6979	\$7,041	\$135,369
Participant 06	40	52	\$99,241	43,899.00	12.2461	\$3,585	\$5,293	7.9522	\$28,509	\$70,732
Participant 07	32	40	\$35,413	17,834.00	13.2752	\$1,343	\$1,741	12.2461	\$16,446	\$18,967
Participant 08	31	33	\$27,209	22,460.00	13.2752	\$1,692	\$1,806	13.2752	\$22,462	\$4,747
Participant 09	23	36	\$38,438	9,645.00	12.6077	\$765	\$1,167	12.9504	\$9,907	\$28,531
Participant 10	26	30	\$30,442	19,559.00	12.9504	\$1,510	\$1,719	13.2752	\$20,046	\$10,396
Participant 11	23	25	\$21,718	16,807.00	12.6077	\$1,333	\$1,422	12.9504	\$17,263	\$4,455
Participant 12	21	22	\$13,401	11,683.00	12.2461	\$954	\$985	12.2461	\$11,683	\$1,718
Participant 13	44	60	\$63,640	58,040.00	8.5376					\$63,640
Participant 14	35	68	\$86,088	62,758.00	13.8750					\$86,088
Participant 15	60	75	\$53,539	53,539.00	4.5052					\$53,539
Participant 16	50	71	\$31,406	31,406.00	9.0925					\$31,406
Participant 17	50	64	\$38,538	38,538.00	7.9522					\$38,538
Participant 18	58	76	\$18,620	18,620.00	3.6979					\$18,620
			\$1,035,980			\$29,931	\$38,104			\$693,751

OPEB - Calculation of ARC
Frozen Entry Age Cost Method
 UAAL Amortized as a Level Dollar Amount

POL
 Valuation Date: 6/30/2001

ARC Calculation
Normal Cost Component

Current age probability-adjusted present value of benefits to be paid	\$1,035,980
Less: Assets	0
Less: Frozen UAAL	693,751
	<hr/>
	342229
Divided by PV Factor	11.86
Normal Cost	\$28,845.00
Interest	\$1,586.48
Total Normal Cost	\$30,431.48

Amortization Component

AAL	\$693,751.00
Less Assets	\$0.00
UAAL	\$693,751.00
Divided by PV Factor	15.3331
Amortization Payment	\$45,245.32
Interest	\$2,488.49
Total Amortization Payment	\$47,734
Annual Required Contribution	\$78,165.28

OPEB - Calculation of ARC

Frozen Entry Age Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL

Valuation Date: 6/30/2001

Member	Entry Age	Current Age	Current Age Probability Adjusted Interest Discounted PV of Total Benefits to be Paid	Entry Age Probability Adjusted interest Discounted PV of Total Benefits to Be Paid	PV Factor of \$1 per Year from Entry Age to Retirement Age	Normal Cost a Entry Age	Normal Cost at Current Age	PV Factor of \$1 per Year from Current Age to Retirement Age	Present Value of Future Normal Cost	AAL
Participant 01	36	46	\$109,622	51,246.00	17.1486	\$2,988	\$4,134	12.9965	\$53,727	\$55,895
Participant 02	25	28	\$44,127	30,964.00	17.1486	\$1,806	\$1,991	17.7910	\$35,422	\$8,705
Participant 03	34	40	\$87,731	53,186.00	17.7910	\$2,989	\$3,632	15.8224	\$57,467	\$30,264
Participant 04	33	34	\$94,397	86,166.00	17.7910	\$4,843	\$5,003	17.7910	\$89,008	\$5,389
Participant 05	33	58	\$142,410	25,282.00	17.7910	\$1,421	\$3,200	3.8766	\$12,405	\$130,005
Participant 06	40	52	\$99,241	43,899.00	15.8224	\$2,774	\$4,096	9.1119	\$37,322	\$61,919
Participant 07	32	40	\$35,413	17,834.00	17.7910	\$1,002	\$1,299	15.8224	\$20,553	\$14,860
Participant 08	31	33	\$27,209	22,460.00	17.7910	\$1,262	\$1,347	17.7910	\$23,964	\$3,245
Participant 09	23	36	\$38,438	9,645.00	16.4925	\$585	\$892	17.1486	\$15,297	\$23,141
Participant 10	26	30	\$30,442	19,559.00	17.1486	\$1,141	\$1,299	17.7910	\$23,110	\$7,332
Participant 11	23	25	\$21,718	16,807.00	16.4925	\$1,019	\$1,087	17.1486	\$18,641	\$3,077
Participant 12	21	22	\$13,401	11,683.00	15.8224	\$738	\$762	15.8224	\$12,057	\$1,344
Participant 13	44	60	\$63,640	58,040.00	9.9219					\$63,640
Participant 14	35	68	\$86,088	62,758.00	19.0359					\$86,088
Participant 15	60	75	\$53,539	53,539.00	4.7958					\$53,539
Participant 16	50	71	\$31,406	31,406.00	10.7150					\$31,406
Participant 17	50	64	\$38,538	38,538.00	9.1119					\$38,538
Participant 18	58	76	\$18,620	18,620.00	3.8766					\$18,620
			\$1,035,980			\$22,568	\$28,742			\$637,007

OPEB - Calculation of ARC

Frozen Entry Age Cost Method

UAAL Amortized as a Level Percentage of Payroll

POL

Valuation Date: 6/30/2001

ARC Calculation

Normal Cost Component

Current age probability-adjusted present value of benefits to be paid	\$1,035,980
Less: Assets	0
Less: Frozen UAAL	637,007
	<hr/>
	398973
Divided by PV Factor	15.14
Normal Cost	\$26,356.00
Interest	\$1,449.58
Total Normal Cost	\$27,805.58

Amortization Component

AAL	\$637,007.00
Less Assets	\$0.00
UAAL	\$637,007.00
Divided by PV Factor	22.4707
Amortization Payment	\$28,348.34
Interest	\$1,559.16
Total Amortization Payment	\$29,907

Annual Required Contribution **\$57,713.08**