SPRING 2012

EXAM DP-RC

Design and Pricing Retirement Benefits Canada

CASE STUDY

DP-RC afternoon

Case Study - Course DP Retirement - Canada

National Oil Company - Background

National Oil Company (NOC) is a large well-established company that services oil wells all over Canada. Most of NOC's employees are employed in the province of Ontario. NOC has been in existence for over 30 years and has more than 10,000 full-time salaried and union hourly employees and over 6,000 part-time employees. The full-time workforce is reasonably stable, but turnover in the last 5 years has been greater than desired, due to competitors recruiting NOC's employees.

Normally, an undergraduate degree is a minimum requirement to obtain entry to the salaried workforce and many employees have graduate degrees. About half of NOC's salaried employees are recruited directly from university with the other half coming from competitors.

The company's financial position varies with the price of oil. As oil prices rise, oil companies become increasingly active and in turn require the services of NOC. Conversely, activity slows as oil prices drop. Despite this, the company is usually in a taxable position.

NOC has managed to be successful by staying on the cutting edge of technology. NOC prides itself in being state of the art in processes and software relevant to its industry. This has helped it to stave off competition from both inside and outside of Canada. Although NOC is the largest player in the industry within Canada, there are larger players from outside of the country, with which NOC has to compete. From time to time, there are rumors of a takeover of NOC.

Canadian legislation and social programs will apply to NOC in this case study.

Summary of National Oil's Retirement Benefits

NOC maintains five retirement programs:

- 1. a final-average pay defined benefit (DB) RPP for its full-time salaried employees;
- 2. a flat dollar DB RPP for its full-time hourly union staff;
- 3. a defined contribution (DC) RPP for its part-time workforce; and
- 4. a non-registered pension plan (referred to as the SERP) for its executives that is supplemental to the salaried RPP. This plan has no assets.
- 5. a retiree health and welfare plan for the full-time salaried and union retirees. This plan has no assets.

Extracts of Retirement Benefits Provisions and Financial Information

National Oil Full-Time Salaried Pension Plan

Eligibility Immediate

Vesting Immediate

Normal Retirement Age 65

Early Retirement Age 55

Best Average Earnings Average annual earnings during 60 consecutive months in

which earnings were highest

Earnings Base pay, excluding overtime and bonuses

Normal Retirement Benefit 2% of best average earnings times years of service,

subject to legislative maximum

Accrued Benefit Benefit calculated as under the normal retirement benefit

formula using best average earnings and service as of

date of calculation

Early Retirement Benefit Accrued benefit reduced by 0.25% per month that early

retirement precedes age 62 for actives participants and

actuarial equivalent for terminated participants

Form of Benefit If with spouse, 60% joint & survivor benefit, without

reduction. If without spouse, single life annuity

Optional Forms of Benefit None

Indexing None

Termination Benefit (1) Lump sum value equal to actuarial present value of

accrued pension payable at age 65; or (2) Deferred

pension

Pre-Retirement Death Benefit Lump sum value equal to actuarial present value of

accrued pension payable at age 65 to named beneficiary

Disability Benefit Accrual of service while on long term disability and

immediate pension without a reduction upon permanent

and total disability

	2008	2009	2010	2011
Participant Summary - January 1				
Active Participants				
(a) count	4,268	4,286	4,251	4,076
(b) average age	45.6	45.5	45.4	45.2
(c) average service	15.2	15.4	15.3	15.4
(d) average future working lifetime	11.0	11.0	11.0	11.0
(e) average plan earnings (prior year)	65,000	65,000	66,300	67,400
Deferred Vested Participants				
(a) count	-	-	-	-

665 70.9 19,700

695

69.8 20,100 720

68.2 21,800 773

68.0 22,000

Plan Assets (numbers in \$000's) *

Pensioners (incl beneficiaries)

(b) average age(c) average annual benefit

(a) count

				1
Change in Plan Assets during Prior Year:				
Market Value of Assets at January 1 of prior year	772,639	756,844	602,863	633,966
Employer Contributions during prior year	10,000	40,000	92,000	92,000
Benefit Payments during prior year	(20,500)	(20,500)	(21,000)	(21,000)
Expenses during prior year	-	-	- '	- '
Investment return during prior year	(5,295)	(173,480)	(39,898)	43,515
Market Value of Assets at January 1 of current year	756,844	602,863	633,966	748,481
Rate of return during prior year	-1%	-23%	-6%	6.5%
Average Portfolio Mix During Prior Year:				
(a) Domestic Large Cap Equities	29%	30%	32%	30%
(b) Domestic Small Cap Equities	28%	27%	25%	10%
(c) Domestic Fixed Income	27%	27%	23%	35%
(d) International Equities	11%	11%	15%	20%
(e) Real Estate	3%	3%	3%	0%
(f) Cash	<u>2%</u>	<u>2%</u>	<u>2%</u>	<u>5%</u>
(g) Total	100%	100%	100%	100%
Asset Class Returns during Prior Year:				
(a) Domestic Large Cap Equities	-3%	-30%	-12%	12%
(b) Domestic Small Cap Equities	-2%	-45%	-5%	5%
(c) Domestic Fixed Income	4%	8%	1%	1%
(d) International Equities	-5%	-35%	-10%	10%
(e) Real Estate	5%	5%	3%	3%
(f) Cash	3%	3%	1%	1%

^{*} numbers may not add due to rounding

2008 2009 2010 2011

Going Concern Valuation - January 1 (numbers in \$000's) *

Actuarial Accrued Liability:				
(a) Active participants	737,486	748,857	692,620	776,554
(b) Deferred vested participants	-	-	-	-
(c) Pensioners	153,276	163,443	185,213	210,874
(d) Total	890,762	912,300	877,833	987,429
2. Actuarial Value of Assets	756,844	602,863	633,966	748,481
3. Unfunded Actuarial Accrued Liability: (1d)-(2)	133,918	309,436	243,867	238,948
4. Normal Cost (beg. Of year)	48,519	48,627	45,269	50,426
5. Change in Unfunded AAL during prior year:				
(a) Unfunded AAL at prior valuation date	(41,464)	133,918	309,436	243,867
(b) Adjustment for Interest	(2,799)	8,705	20,113	15,851
(c) Normal Cost w/interest less contributions	32,137	10,373	(43,202)	(46,778)
(d) (Gain)/Loss on investment	57,094	223,309	81,391	-
(e) (Gain)/Loss on termination	(15,400)	(14,000)	(17,000)	(20,000)
(f) (Gain)/Loss on salary increases less than expected	(23,700)	(50,000)	(100,000)	(25,000)
(g) (Gain)/Loss on mortality	(6,800)	(6,800)	(6,900)	2,000
(h) (Gain)/Loss on retirement	63,000	50,000	25,000	23,000
(i) (Gain)/Loss on assumption changes	-	-	20,000	40,000
(j) (Gain)/Loss on expenses	.		.	
(k) (Gain)/Loss on all other factors	71,850	(46,068)	(44,972)	6,007
(I) Unfunded AAL at current valuation date	133,918	309,436	243,867	238,948
6. Actuarial Basis				
(a) Interest	6.50%	6.50%	6.50%	6.00%
(b) Salary scale	4.50%	4.50%	4.00%	4.00%
(c) Consumer Price Index	3.00%	3.00%	2.50% 1994 Uninsured Pensioner Mortality -	2.50% 1994 Uninsured Pensioner Mortality -
(d) Mortality	UP 1994 AA15	UP 1994 AA15	Generational	Generational
(e) Turnover	В	ased on NOC experi	ience for 1996-2006	3
(f) Retirement age		Age	62	
(g) Proportion married and age difference	80%	married, husbands 3	years older than w	ives
(h) Expenses		Assume all expenses	s paid by company	
(i) Asset Valuation Method		Market value	e of assets	
(j) Actuarial Cost Method		Projected u	unit credit	

^{*} numbers may not add due to rounding

2009 2010 2011

Solvency Valuation - January 1 (numbers in \$000's) *

1. Actuarial Accrued Liability:	704 504	700 000	705 405			
(a) Active participants (b) Deferred vested participants	704,581	732,286	725,185			
(c) Pensioners	188,588	222.883	239,785			
(d) Total	893,169	955,169	964,970			
(4)			55.,5			
2. Market Value of Assets	602,863	633,966	748,481			
3. Solvency Deficiency: (1d)-(2)	290,306	321,203	216,489			
4. Actuarial Basis						
(a) Interest - Benefit paid by lump sum	3.8% for 10 years	3.7% for 10 years	3.7% for 10 years			
(a) morest Benefit by tamp cam	5.4% thereafter		•			
(a) Interest - Benefit settled by annuity purchase	4.85%	4.5%	4.5%			
(b) Mortality	UP 1994 AA15	UP 1994 AA20	UP 1994 AA20			
(c) Retirement age	The age the	nat produces the larg	gest value			
(d) Proportion married and age difference	200/ with angua. Mala anguaga ara 2 yaara aldar					
(a) Troportion married and age difference	80% with spouse, Male spouses are 3 years older					
(e) Asset Valuation Method	e) Asset Valuation Method Market value of assets					
(f) Actuarial Cost Method		Unit Credit				
		Onit Orean				

^{*} numbers may not add due to rounding

National Oil Full-Time Salaried Pension Plan Reconciliation of Plan Participants (2008 - 2011)

	Active	Pensioners/ Beneficiaries	Total
1. Participants as of January 1, 2008	4,268	665	4,933
New Entrants/RehiresTerminated NonvestedTerminated Vested (Lump Sum Cashout)Retirement	300 (130) (115) (35)	- - - - 35	300 (130) (115)
Death w/ BeneficiaryDeath w/o BeneficiaryNet change	(2) - 18	2 (7) 30	(7) 48
2. Participants as of January 1, 2009	4,286	695	4,981
 New Entrants/Rehires Terminated Nonvested Terminated Vested (Lump Sum Cashout) Retirement Death w/ Beneficiary Death w/o Beneficiary Net change 	250 (120) (130) (30) (5) - (35)	- - - 30 5 (10) 25	250 (120) (130) - - (10) (10)
3. Participants as of January 1, 2010	4,251	720	4,971
 New Entrants/Rehires Terminated Nonvested Terminated Vested (Lump Sum Cashout) Retirement Death w/ Beneficiary Death w/o Beneficiary Net change 	100 (100) (120) (50) (5) - (175)	- - - 50 5 (2) 53	100 (100) (120) - - (2) (122)
4. Participants as of January 1, 2011	4,076	773	4,849

National Oil Full-Time Salaried Pension Plan Age/Svc/Earnings as of January 1, 2011

			Service (Years)					
			< 5	5-10	10-15	15-20	>20	Totals
Age (Years)	< 25	# Participants Average Salary	180 35,900	120 46,100	- -	- -	- -	300 40,000
	25-35	# Participants Average Salary	210 47,100	140 58,000	90 62,000	55 65,100	-	495 54,900
	35-45	# Participants Average Salary	175 59,400	198 66,300	176 70,200	201 76,300	201 77,800	951 70,300
	45-55	# Participants Average Salary	164 62,600	153 65,200	175 72,000	290 75,600	739 77,800	1,521 73,800
	55-65	# Participants Average Salary	168 61,200	77 64,100	77 68,100	75 73,900	399 74,200	796 69,900
	> 65	# Participants Average Salary	4 47,000	3 52,100	1 47,000	2 57,600	3 53,900	13 51,400
	Totals	# Participants Average Salary	901 52,700	691 60,600	519 69,000	623 74,600	1,342 76,700	4,076 67,400
		Avg Age Avg Svc Avg Salary	45.2 15.4 67,400					

National Oil Full-Time Salaried Supplemental Executive Retirement Plan (SERP)

Eligibility Immediate

Normal Retirement Age 65

Early Retirement Age 55

Salaried Pension Plan without regard to legislative maximums less actual Accrued Benefit under the

Salaried Pension Plan

Early Retirement Benefit Accrued benefit reduced by 0.25% per month that early

retirement precedes age 62 for actives participants

Commencement Date and Form

of Benefit

Must be same as under Salaried Pension Plan

Indexing None

Termination Benefit None

Pre-Retirement Death Benefit None

Disability Benefit None

.	2008	2009	2010	2011
Participant Summary				
1. Active Participants				
(a) count	49	52	60	60
(b) average age	53.1	53.1	52.0	50.0
(c) average service	18.2	18.2	19.1	17.0
(d) average future working lifetime	6.3	6.3	6.3	8.8
(e) average earnings (prior year)	315,000	325,000	350,000	350,000
Deferred Vested Participants				
(a) count	-	-	-	-
3. Pensioners (incl beneficiaries)				
(a) count	20	30	30	30
(b) average age	69.0	66.0	66.0	66.1
(c) average annual benefit	21,100	22,000	22,000	22,000

Valuation Results (numbers in \$000's) *

1. Reconciliation of funded status at valuation date	e:			
(a) Accrued Benefit Obligation (b) Fair Value of Assets	(47,091)	(50,223)	(66,249)	(80,454)
(c) Funded Status: (a) + (b)	(47,091)	(50,223)	(66,249)	(80,454)
2. Service Cost	1,211	1,508	1,841	1,791
3. Benefit Payments	224	660	660	660
4. Actuarial Basis				
(a) Discount rate	5.25%	7.50%	6.50%	5.50%
(b) Salary scale	3.50%	3.50%	3.50%	3.50%
(c) CPI	3.00%	3.00%	2.50%	2.50%
(d) All other assumptions		Same as the Sala	aried Plan	

^{*} numbers may not add due to rounding

National Oil Full-Time Hourly Union Pension Plan

Eligibility Immediate

Vesting Immediate

Normal Retirement Age 65

Early Retirement Age 55

Normal Retirement Benefit \$80 per month times all years of service for

terminations/retirements after 2004

Accrued Benefit

Benefit calculated as under the normal retirement benefit formula

based on service and multiplier as of date of calculation

Early Retirement Benefit Unreduced benefit at 62 with 30 years of service, otherwise

reduced by 0.25% per month that early retirement precedes Normal Retirement Age for active participants and actuarial

equivalent for terminated participants

Form of Benefit With a spouse, 60% joint & survivor benefit without reduction

Without a spouse, single life annuity.

Optional Forms of Benefit None

Post-Retirement Indexing Lesser of 1% or CPI each year after pension commencement

(1) Lump sum value equal to actuarial present value of accrued

Termination Benefit pension payable at age 65; or (2) Deferred pension

pension payable at age 65 to named beneficiary

Disability Benefit None

Particinant	Summary -	January 1

A (' D (' ')				
Active Participants				
(a) count	6,253	6,321	6,395	6,225
(b) average age	46.3	46.0	46.1	46.1
(c) average service	17.2	17.0	17.3	17.3
(d) average future working lifetime	10.8	10.8	10.8	10.8
(e) average plan earnings (prior year)	49,000	49,500	51,000	53,100
Deferred Vested Participants				
(a) count	-	-	-	-
Pensioners (incl beneficiaries)				
(a) count	1,060	1,081	1,120	1,135
(b) average age	71.8	70.0	68.0	68.0
(c) average annual benefit	11,200	12,200	13,400	13,400

Plan Assets (numbers in \$000's) *

Change in Plan Assets during Prior Year:				
Market Value of Assets at January 1 of prior year	444,857	471,638	432,988	488,942
Employer Contributions during prior year	42,000	100,000	100,000	100,000
Benefit Payments during prior year	(12,000)	(15,000)	(17,000)	(17,000)
Expenses during prior year	-	· -	-	-
Investment return during prior year	(3,219)	(123,650)	(27,046)	34,479
Market Value of Assets at January 1 of current year	471,638	432,988	488,942	606,421
Rate of return during prior year	-1%	-24%	-6%	6.5%
Average Portfolio Mix During Prior Year:				
(a) Domestic Large Cap Equities	30%	32%	30%	30%
(b) Domestic Small Cap Equities	27%	25%	10%	10%
(c) Domestic Fixed Income	27%	23%	35%	35%
(d) International Equities	11%	15%	20%	20%
(e) Real Estate	3%	3%	0%	0%
(f) Cash	<u>2%</u>	<u>2%</u>	<u>5%</u>	<u>5%</u>
(g) Total	100%	100%	100%	100%
Asset Class Returns during Prior Year:				
(a) Domestic Large Cap Equities	-3%	-30%	-12%	12%
(b) Domestic Small Cap Equities	-2%	-45%	-5%	5%
(c) Domestic Fixed Income	4%	8%	1%	1%
(d) International Equities	-5%	-35%	-10%	10%
(e) Real Estate	5%	5%	3%	3%
(f) Cash	3%	3%	1%	1%

^{*} numbers may not add due to rounding

Going Concern Valuation - January 1 (numbers in \$000's) *

Actuarial Accrued Liability:						
Active Multiplier	\$	80 \$	8	0 \$	80	\$ 80
(a) Active participants		441,771	496,18	7	543,526	587,192
(b) Deferred vested participants		-	-		-	-
(c) Pensioners		118,720	146,38	9	172,592	182,508
(d) Total		560,491	642,57	6	716,118	769,700
2. Actuarial Value of Assets		471,638	432,98	8	488,942	606,421
3. Unfunded Actuarial Accrued Liability: (1d)-(2)		88,853	209,58	8	227,176	163,279
4. Normal Cost (beg. Of year)		25,684	29,18	37	31,418	33,942
5. Change in Unfunded AAL during prior year:						
(a) Unfunded AAL at prior valuation date		88,534	88,85		209,588	227,176
(b) Adjustment for Interest		5,976	5,77		13,623	14,766
(c) Normal Cost w/interest less contributions		(16,566)	(75,89	,	(72,165)	(69,790)
(d) (Gain)/Loss on investment		34,259	157,06		57,888	-
(e) (Gain)/Loss on termination		(10,400)	(6,00	0)	(8,000)	12,000
(f) (Gain)/Loss on salary increases less than expected		-	-		-	-
(g) (Gain)/Loss on mortality		(1,900)	(1,90	0)	(3,900)	(28,000)
(h) (Gain)/Loss on retirement		(550)	(40	0)	(600)	(26,000)
(i) (Gain)/Loss on assumption changes		-	-		-	33,000
(j) (Gain)/Loss on expenses		-	-		-	-
(k) (Gain)/Loss on all other factors		(10,501)	42,08	7	30,742	127
Change in active benefit multiplier		-	-		-	-
(m) Unfunded AAL at current valuation date		88,853	209,58	8	227,176	163,279
6. Actuarial Basis						
(a) Interest		6.50%	6.50		6.50%	6.00%
(b) Salary scale		N/A		/A	N/A	N/A
(c) Consumer Price Index		3.00%	3.00		2.50%	2.50%
(d) Mortality		GAM 1994	GAM 19	94	GAM 1994	GAM 1994
(e) Turnover		Bas	sed on NOC ex	perien	ce for 1996 - 200	6
(f) Retirement age		Age 62, with	the appropriate	early	retirement reduc	tion, if any
(g) Proportion married and age difference	80% married, husbands 3 years older than wives					vives
(h) Expenses	Assume all expenses paid by company					
(i) Post-retirement indexing				1%		
(j) Asset Valuation Method	Market value of assets					
(k) Actuarial Cost Method			Ur	nit cred	dit	

^{*} numbers may not add due to rounding

National Oil Full-Time Hourly Union Pension Plan Solvency Valuation Results

2009 2010 2011

Solvency Valuation - January 1 (numbers in \$000's) *

Actuarial Accrued Liability: (a) Active participants	763,519	860,119	837,254		
(b) Deferred vested participants(c) Pensioners	- 176,722	210,112	212,926		
(d) Total	940,241	1,070,231	1,050,180		
2. Market Value of Assets	432,988	488,942	606,421		
3. Solvency Deficiency: (1d)-(2)	507,253	581,289	443,759		
4. Actuarial Basis					
(a) Interest - Benefit paid by lump sum	3.8% for 10 years 5.4% thereafter	•	3.7% for 10 years 5% thereafter		
(a) Interest - Benefit settled by annuity purchase	4.85%	4.5%	4.5%		
(b) Mortality	UP 1994 AA15	UP 1994 AA20	UP 1994 AA20		
(c) Retirement age	The age that produces the largest value				
(d) Proportion married and age difference	80% with spouse, Male spouses are 3 years older				
(e) Asset Valuation Method	M	arket value of asse	ts		
(f) Actuarial Cost Method	Unit Credit				

^{*} numbers may not add due to rounding

National Oil Full-Time Hourly Union Pension Plan Reconciliation of Plan Participants (2008 - 2011)

	Active	Pensioners/ Beneficiaries	Total
1. Participants as of January 1, 2008	6,253	1,060	7,313
 New Entrants/Rehires Terminated Nonvested Terminated Vested (Lump Sum Cashout) Retirement Death w/ Beneficiary Death w/o Beneficiary 	170 (30) (40) (30) (2)	- - - 30 2 (11)	170 (30) (40) - - (11)
- Net change	68	21	89
2. Participants as of January 1, 2009	6,321	1,081	7,402
 New Entrants/Rehires Terminated Nonvested Terminated Vested (Lump Sum Cashout) Retirement Death w/ Beneficiary Death w/o Beneficiary Net change 	220 (50) (50) (40) (6)	- - - 40 6 (7) 39	220 (50) (50) - - (7) 113
3. Participants as of January 1, 2010	6,395	1,120	7,515
 New Entrants/Rehires Terminated Nonvested Terminated Vested (Lump Sum Cashout) Retirement Death w/ Beneficiary Death w/o Beneficiary Net change 	50 (50) (120) (50) - - (170)	- - - 50 (35) 15	50 (50) (120) - - (35) (155)
4. Participants as of January 1, 2011	6,225	1,135	7,360

National Oil Full-Time Hourly Union Pension Plan Age/Svc/Earnings as of January 1, 2011

			Service (Years)					
			< 5	5-10	10-15	15-20	>20	Totals
Age (Years)	< 25	# Participants Average Salary	200 40,000	139 45,000	-	-	-	339 42,100
(Tears)		Average Salary	40,000	43,000	-	_	-	42,100
	25-35	# Participants	256	105	91	62	-	514
		Average Salary	44,000	46,000	50,000	53,000	-	46,600
	35-45	# Participants	215	330	320	659	441	1,965
		Average Salary	49,000	45,400	53,400	54,300	55,900	52,400
	45-55	# Participants	120	160	315	688	895	2,178
		Average Salary	50,000	47,000	55,800	55,100	56,800	55,000
	55-65	# Participants	95	62	91	180	779	1,207
		Average Salary	49,000	49,600	56,200	56,900	58,200	56,700
	> 65	# Participants	7	6	5	3	1	22
		Average Salary	51,000	50,000	57,800	55,000	60,000	53,200
	Totals	# Participants	893	802	822	1,592	2,116	6,225
		Average Salary	45,700	46,100	54,300	54,900	57,100	53,100
		Avg Age	46.1					
		Avg Svc	17.3					
		Avg Salary	53,100					

National Oil Part-Time DC Pension Plan

Eligibility Immediate

Vesting Immediate

Employer Contributions - Base 3% of base pay

Employer Contributions - Match 100% on the first 3% and 50% thereafter

Employee Contributions Up to 6% of base pay

Plan Fund The employer invests the contributions in a balanced

fund. There are no employee investment choices.

Account Balance Contributions are accumulated in member's individual

account earning investment income at the rate of return

earned by the Plan Fund.

Benefit on Termination or Account balance is transferred to a LIRA/LIF for the

Retirement member after one year from date of termination or

retirement, unless employee has since returned to

employment with NOC.

Benefit on Death Account balance is payable to named beneficiary

National Oil Part-Time DC Pension Plan

Historical Results - January 1

	2008	2009	2010	2011
Participant Summary				
(a) number participating during prior year(b) average age(c) average base pay	6,250 30.9 26,000.00	6,500 28.9 29,000.00	7,000 29.2 30,000.00	6,800 30.8 31,000.00

Plan Assets (numbers in \$000's) *

Change in Plan Assets during Prior Year:				
Market Value of Assets at January 1 of prior year	57,871	73,760	71,556	96,044
Employee Contributions during prior year	6,500	7,540	8,400	8,432
Company Contributions during prior year	10,563	12,253	13,650	13,702
Benefit Payments during prior year	(5,625)	(5,850)	(6,300)	(6,120)
Expenses during prior year	-	-	-	-
Investment return during prior year	4,451	(16,146)	8,737	7,284
Market Value of Assets at January 1 of current year	73,760	71,556	96,044	119,341
Rate of return during prior year	7%	-20%	11%	7%

^{*} numbers may not add due to rounding

National Oil Full-Time Salaried and Union Retiree Health Benefit Program

Eligibility Immediate

Earliest Retirement Age 55 and 10 years of service

Retirement benefit Retirees and their spouses may elect to

participate in a self insured health plan, with 100% of cost paid by the employer

Death benefit Coverage continues for the life of the spouse after death of

an eligible employee

Benefits Covered - Pre 65 \$0 deductible; \$0 copay

No lifetime maximum

Office visits Hospital visits Surgery

Prescription drugs

Benefits Covered - Post 65 \$0 deductible; \$0 copay

No lifetime maximum

Office visits Hospital visits Surgery

Prescription drugs

Government Benefits carve out

2008	2009	2010	2011

Valuation Results - January 1 (numbers in \$000's) *

Reconciliation of funded status at valuation date:				
(a) Accrued Benefit Obligation				
(i) actives	(847,616)	(858,653)	(1,396,669)	(1,929,494)
(ii) retirees	(513,360)	(585,386)	(719,754)	(923,781)
(iii) total	(1,360,976)	(1,444,039)	(2,116,424)	(2,853,275)
(b) Market Value of Assets	0	0	0	0
(c) Surplus: (a) + (b)	(1,360,976)	(1,444,039)	(2,116,424)	(2,853,275)
2. Service Cost (beg. of year)	52,976	53,666	87,292	148,423
3. Benefit Payments	27,000	30,000	32,000	40,000
4. Actuarial Basis				
(a) Discount rate	5.25%	7.50%	6.50%	5.50%
(b) Return on assets	N/A	N/A	N/A	N/A
(c) Medical trend				
Initial rate	6.00%	7.00%	10.00%	10.00%
Annual decrease	0.50%	0.50%	0.50%	0.50%
Ultimate rate	4.50%	4.50%	5.00%	5.00%
Year ultimate trend rate reached	2011	2014	2020	2020
(d) CPI	3.00%	3.00%	2.50%	2.50%
(e) Per capita claims cost	9,500	10,500	12,000	12,000
(f) Retirement assumption		Age 62 with 10 year	ars of service	
(g) All other demographic assumptions	Sa	ime as those used for	or pension plans	

^{*} numbers may not add due to rounding