Exhibit ____ (GRS-5), Page 1 of 5 Total Annual Dollar Return on Net Depreciated Investment Based on a \$100 Investment with a 4 Year Life



Exhibit _____ (GRS-5), Page 2 of 5

Return on Net Depreciated Investment Based on Different Cost of Service Methods

Cost of Service Method	Item	Year 0	Year 1	Year 2	Year 3	Year 4
Depreciated Original Cost	Return Discounted Present Value Factor at 15% Discounted Present Value of Return Total Discounted Present Value of Return Internal Rate of Return	\$28.63 15.00%	\$15.00 0.870 \$13.04	\$11.25 0.756 \$8.51	\$7.50 0.658 \$4.93	\$3.75 0.572 \$2.14
Trended Original Cost	Return Discounted Present Value Factor at 15% Discounted Present Value of Return Total Discounted Present Value of Return Internal Rate of Return	\$28.63 15.00%	\$12.00 0.870 \$10.43	\$10.36 0.756 \$7.83	\$8.69 0.658 \$5.71	\$8.12 0.572 \$4.64
Trended Original Cost to Depreciated Original Cost Without a Recovery of Deferred Earnings in Year 3 and 4	Return excluding Deferred Earnings Recovery of Deferred Earnings Total Return Discounted Present Value Factor at 15% Discounted Present Value of Return Total Discounted Present Value of Return Internal Rate of Return	- = \$25.34 13.30%	\$12.00 \$0.00 \$12.00 0.870 \$10.43	\$9.00 \$1.36 \$10.36 0.756 \$7.83	\$7.50 \$0.00 \$7.50 0.658 \$4.93	\$3.75 \$0.00 \$3.75 0.572 \$2.14
Trended Original Cost to Depreciated Original Cost With an Equal Amount Recovery of Deferred Earnings in Year 3 and 4	Return excluding Deferred Earnings Recovery of Deferred Earnings Total Return Discounted Present Value Factor at 15% Discounted Present Value of Return Total Discounted Present Value of Return Internal Rate of Return	- = \$28.63 15.00%	\$12.00 \$0.00 \$12.00 0.870 \$10.43	\$9.00 \$1.36 \$10.36 0.756 \$7.83	\$7.50 \$2.67 <u>\$10.17</u> 0.658 \$6.69	\$3.75 \$2.67 \$6.42 0.572 \$3.67



Exhibit _____ (GRS-5), Page 4 of 5

Example of Depreciated Original Cost and Trended Original Cost for a 4 Year Investment

			Depreciated Original Cost					Trended Original Cost					
Line	ltem	Source	Year 0	Year 1	Year 2	Year 3	Year 4	Year 0	Year 1	Year 2	Year 3	Year 4	
1	Start of Year Investment	Prior Line 3		\$100.00	\$75.00	\$50.00	\$25.00		\$100.00	\$75.00	\$50.00	\$25.00	
2	Depreciation	4 Year Life	_	\$25.00	\$25.00	\$25.00	\$25.00	_	\$25.00	\$25.00	\$25.00	\$25.00	
3	End of Year Investment	Line (1 - 2)	=	\$75.00	\$50.00	\$25.00	\$0.00	=	\$75.00	\$50.00	\$25.00	\$0.00	
4	Real Equity Return	Input		12.0%	12.0%	12.0%	12.0%		12.0%	12.0%	12.0%	12.0%	
5	Inflation	Input	_	3.0%	3.0%	3.0%	3.0%	_	3.0%	3.0%	3.0%	3.0%	
6	Nominal Equity Return	Line (4 + 5)	-	15.0%	15.0%	15.0%	15.0%	-	15.0%	15.0%	15.0%	15.0%	
7	Real Equity Return on Investment	Line (1 * 4)		\$12.00	\$9.00	\$6.00	\$3.00		\$12.00	\$9.00	\$6.00	\$3.00	
8	Inflation Return on Investment	Line (1 * 5)		\$3.00	\$2.25	\$1.50	\$0.75		n/a	n/a	n/a	n/a	
9	Total Equity Return on Investment	Line (7 + 8)	-	\$15.00	\$11.25	\$7.50	\$3.75	-	n/a	n/a	n/a	n/a	
10	Deferred Earnings	Line (1 * 5)							\$3.00	\$2.25	\$1.50	\$0.75	
11	Inflation Return on Deferred Earnings	Prior Line 18 * Line 5							\$0.00	\$0.09	\$0.13	\$0.11	
12	Total Deferred Earnings Created	Line (10 + 11)						=	\$3.00	\$2.34	\$1.63	\$0.86	
13	Amortization of Year 1 Total Deferred Faminos Created	Line 21 of Year 1/3								\$1.00	\$1.00	\$1.00	
14	Amortization of Year 2 Total Deferred Earnings Created	Line 21 of Year 2 / 2								¢1.00	\$1.17	\$1.17	
15	Amortization of Year 3 Total Deferred Earnings Created	Line 21 of Year 3 / 1									• · · · ·	\$1.63	
16	Amortization of Year 4 Total Deferred Earnings Created	Line 21 of Year 4 / 1										\$0.86	
17	Total Amortization of Deferred Earnings	Sum Lines (13 to 16)						=	\$0.00	\$1.00	\$2.17	\$4.66	
18	End of Year Deferred Earnings	Prior Line 18 + Line (12 - 17)							\$3.00	\$4.34	\$3.80	\$0.00	
19	Real Return on Deferred Earnings	Prior Line 18 * Line 4							\$0.00	\$0.36	\$0.52	\$0.46	
	De al Facilita Datama en las admente	Line 7		\$10.00	#0.00	#0.00	* 2.00		¢10.00		<u> </u>	* 0.00	
20	Real Equity Return on Investment	Line 7		\$12.00	\$9.00	\$6.00	\$3.00		\$12.00	\$9.00	\$6.00	\$3.00	
21	Total Amortization of Deforred Earnings	Line o		\$3.00 n/a	\$2.20 n/2	\$1.50 n/2	\$U.75		11/a \$0.00	1/a \$1.00	11/a ¢2.17	11/a \$4.66	
22	Real Return on Deferred Earnings			n/a	n/a	n/a	n/a		\$0.00	\$1.00	φ2.17 \$0.52	\$94.00 \$0.46	
24	Total Equity Return on Investment	Sum Lines (20 to 23)	-	\$15.00	\$11.25	\$7.50	\$3.75	-	\$12.00	\$10.36	\$8.69	\$8.12	
25	Percentage Return on Investment	Line (24 / 1)	=	15.00%	15.00%	15.00%	15.00%	=	12.00%	13.81%	17.38%	32.48%	
26	Present Volue Foster	(1/(1+1)ino(6)) * Driver Lino(26)		0.970	0.756	0.659	0 570		0.970	0.756	0.659	0 572	
20	Present Value Factor Present Value of Total Equity Return on Investment	Line (24 * 26)		\$13.04	\$8.51	\$4.93	\$2.14		\$10.43	\$7.83	\$5.71	\$4.64	
28	Return of Investment (through depreciation)	Line 2		\$25.00	\$25.00	\$25.00	\$25.00		\$25.00	\$25.00	\$25.00	\$25.00	
29	Present Value Factor	Line 26		0.870	0 756	0.658	0 572		0.870	0 756	0.658	0 572	
30	Present Value of Return of Investment	Line (28 * 29)		\$21.74	\$18.90	\$16.44	\$14.29		\$21.74	\$18.90	\$16.44	\$14.29	
31	Total Present Value of Total Equity Return on Investment	Sum Line 27 Years 1 to 4	\$28.63					\$28.63					
32	Total Present Value of Return of Investment	Sum Line 30 Years 1 to 4	\$71.37					\$71.37					
33	Total Present Value of Return of Investment and on Investment	Line (31 + 32)	\$100.00					\$100.00					
34	Internal Rate of Return Cashflows	Negative of Line 1 Yr 1 or Line (25 + 28)	(\$100.00)	\$40.00	\$36.25	\$32.50	\$28.75	(\$100.00)	\$37.00	\$35.36	\$33.69	\$33.12	
35	Internal Rate of Return	Internal Rate of Return Calculation		15%				100 C	15%				

Exhibit ____ (GRS-5), Page 5 of 5 Example of Changing from Trended Original Cost to Depreciated Original Cost After Year 2 for a 4 Year Investment Without and With Recovery of Deferred Earnings

			Without Recovery of Deferred Earnings					With Recovery of Deferred Earnings in Years 3 and 4					
Line	Item	Source	Year 0	Year 1	Year 2	Year 3	Year 4	Year 0	Year 1	Year 2	Year 3	Year 4	
1	Start of Voar Investment	Prior Line 3		\$100.00	\$75.00	\$50.00	\$25.00		\$100.00	\$75.00	\$50.00	\$25.00	
2	Depreciation	4 Year Life		\$25.00	\$25.00	\$25.00	\$25.00		\$25.00	\$25.00	\$25.00	\$25.00	
3	End of Year Investment	Line (1 - 2)	=	\$75.00	\$50.00	\$25.00	\$0.00	=	\$75.00	\$50.00	\$25.00	\$0.00	
4	Real Fouity Return	Input		12.0%	12.0%	12.0%	12.0%		12.0%	12.0%	12.0%	12.0%	
5	Inflation	Input	_	3.0%	3.0%	3.0%	3.0%	_	3.0%	3.0%	3.0%	3.0%	
6	Nominal Equity Return	Line (4 + 5)	-	15.0%	15.0%	15.0%	15.0%	=	15.0%	15.0%	15.0%	15.0%	
7	Real Equity Return on Investment	Line (1 * 4)		\$12.00	\$9.00	\$6.00	\$3.00		\$12.00	\$9.00	\$6.00	\$3.00	
8	Inflation Return on Investment	Line (1 * 5)	_	n/a	n/a	\$1.50	\$0.75	_	n/a	n/a	\$1.50	\$0.75	
9	I otal Equity Return on Investment	Line (7 + 8)	=	n/a	n/a	\$7.50	\$3.75	=	n/a	n/a	\$7.50	\$3.75	
10	Deferred Earnings	Line (1 * 5)		\$3.00	\$2.25				\$3.00	\$2.25	n/a	n/a	
11	Inflation Return on Deferred Earnings	Prior Line 18 * Line 5	-	\$0.00	\$0.09			-	\$0.00	\$0.09	\$0.13	\$0.07	
12	Total Deletted Earnings Cleated	Line (10 + 11)	=	\$3.00	φ2.34			=	\$3.00	\$2.34	30.13	\$0.07	
13	Amortization of Year 1 Total Deferred Earnings Created	Line 21 of Year 1 / 3			\$1.00					\$1.00	\$1.00	\$1.00	
14	Amortization of Year 2 Total Deferred Earnings Created	Line 21 of Year 2 / 2									\$1.17	\$1.17	
16	Amortization of Year 4 Total Deferred Earnings Created	Line 21 of Year 4 / 1										\$0.07	
17	Total Amortization of Deferred Earnings	Sum Lines (13 to 16)	_	\$0.00	\$1.00			_	\$0.00	\$1.00	\$2.17	\$2.37	
18	End of Year Deferred Earnings	Prior Line 18 + Line (12 - 17)		\$3.00	\$4.34				\$3.00	\$4.34	\$2.30	\$0.00	
19	Real Return on Deferred Earnings	Prior Line 18 * Line 4		\$0.00	\$0.36				\$0.00	\$0.36	\$0.52	\$0.28	
				•••••									
	Equity Return on Investment (Deferred Earnings Amortization Based on TOC												
20	amortization and it is not set to equal amounts in this section of the table):	Line 7		612.00	£0.00	£6.00	62.00		£12.00	£0.00	£6.00	£2.00	
20	Inflation Return on Investment	Line 7		\$12.00 n/a	\$9.00 n/a	\$6.00	\$3.00		\$12.00 n/a	\$9.00 n/a	\$6.00	\$3.00	
22	Total Amortization of Deferred Earnings	Line o		\$0.00	\$1.00	n/a	n/a		\$0.00	\$1.00	\$2.17	\$2.37	
23	Real Return on Deferred Earnings	Line 19	_	\$0.00	\$0.36	n/a	n/a		\$0.00	\$0.36	\$0.52	\$0.28	
24	Total Equity Return on Investment	Sum Lines (20 to 23)	_	\$12.00	\$10.36	\$7.50	\$3.75	_	\$12.00	\$10.36	\$10.19	\$6.40	
25	Percentage Return on Investment	Line (24 / 1)		12.00%	13.81%	15.00%	15.00%		12.00%	13.81%	20.38%	25.58%	
26 27	Present Value Factor Present Value of Total Equity Return on Investment	(1/ (1+Line 6)) * Prior Line 26 Line (24 * 26)		0.870 \$10.43	0.756 \$7.83	0.658 \$4.93	0.572 \$2.14		0.870 \$10.43	0.756 \$7.83	0.658 \$6.70	0.572 \$3.66	
00		Line 0		\$05 00	605.00	605.00	605.00		605.00	605.00	605.00	605.00	
28	Return of investment (through depreciation) Present Value Factor	Line 2		\$25.00 0.870	\$25.00 0.756	\$25.00 0.658	\$25.00 0.572		\$25.00 0.870	\$25.00 0.756	\$25.00 0.658	\$25.00 0.572	
30	Present Value of Return of Investment	Line (28 * 29)		\$21.74	\$18.90	\$16.44	\$14.29		\$21.74	\$18.90	\$16.44	\$14.29	
24	Tatal Breacht Value of Tatal Equity Batura on Investment	Sum Line 27 Veers 1 to 4	¢05.04					600.60					
32	Total Present Value of Return of Investment	Sum Line 30 Years 1 to 4	\$71.37					\$28.63					
33	Total Present Value of Return of Investment and on Investment	Line (31 + 32)	\$96.72					\$100.00					
34	Internal Rate of Return Cashflows	Negative of Line 1 Yr 1 or Line (24 + 28)	(\$100.00)	\$37.00	\$35.36	\$32.50	\$28.75	(\$100.00)	\$37.00	\$35.36	\$35.19	\$31.40	
35	Internal Rate of Return	Internal Rate of Return Calculation	(******)	13.30%				(*******)	15.00%				
36	Value of Deferred Earnings in Continued Under TOC Amortization:	Line (22 + 23)									\$2.69	\$2.65	
37	Present Value Factor	(1/ (1+ Line 6)) * Prior Line 37									0.870	0.756	
38	Present Value of Deferred Earnings at Year 2	Line (36 * 37)									\$2.34	\$2.00	
39	Total Present Value of Deferred Earnings at Year 2	Sum Line 38 Years 3 to 4								\$4.34			
	Recovery of Deferred Earnings if Recovery in Equal Amounts:												
40	Equal Amortization of Deferred Earnings in Year 3 and 4	Computed so Line 38 = Line 43									\$2.67	\$2.67	
41	Present Value Factor	(1/ (1+ Line 6)) * Prior Line 41									0.870	0.756	
42	Total Present Value of Deferred Earnings at Year 2	Sum Line 42 Years 3 to 4								\$4.34	φ2.3Z	φ2.02	
	Return on Equity Investment (if Equal Recovery												
44	Real Equity Return on Investment	Line 20		\$12.00	\$9.00	\$6.00	\$3.00		\$12.00	\$9.00	\$6.00	\$3.00	
45	Inflation Return on Investment	Line 21		n/a	n/a	\$1.50	\$0.75		n/a	n/a	\$1.50	\$0.75	
46	Deferred Earnings Recovery for Years 1 and 2	Line (22 + 23) for Yr 1 and 2 Only		\$0.00	\$1.36	n/a	n/a		\$0.00	\$1.36	n/a	n/a	
47 48	Equal Amortization of Deferred Earnings in Year 3 and 4 Total Return on Equity Investment with an Equal Recovery of Deferred Earnings	Line 40 for Yr 3 and 4 Only Sum Lines (44 to 47)	-	n/a \$12.00	n/a \$10.36	n/a \$7.50	n/a \$3.75	_	n/a \$12.00	n/a \$10.36	\$2.67	\$2.67	
40	rotal record on Equity investment with an Equal Recovery of Deferred Earnings	Sum Lines (44 to 47)	=	φ12.00	\$10.30	\$7.0U	as.19	=	\$12.00	\$10.30	\$1U.17	φ0.4 <u>2</u>	
49	Present Value Factor	Line 26		0.870	0.756	0.658	0.572		0.870	0.756	0.658	0.572	
50	Total Present Value of Return of Investment	Sum Line (48 - 49)	\$25.34	ə i U.43	φ1.83	φ4.93	φ2.14	\$28.63	ə i U.43	\$1.83	90.09	φ3.0 <i>1</i>	
								+20.00					