

2012

CAPITALIZATION RATE STUDY FOR CENTRALLY ASSESSED PROPERTIES

FOR: JANUARY 1, 2012



UTAH STATE TAX COMMISSION

**PROPERTY TAX DIVISION
NATURAL RESOURCES SECTION
210 NORTH 1950 WEST, THIRD FLOOR
SALT LAKE CITY, UTAH 84134**

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UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
SUMMARY OF EQUITY RATES AND CAPITAL STRUCTURE

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Industry	Page	Debt Rate	Debt/Equity	Equity Yield Rate	WACC
COAL MINING	3	8.13%	35% / 65%	13.53%	11.64%
PRECIOUS METALS	6	5.25%	10% / 90%	11.51%	10.89%
NON-PRECIOUS METALS	9	5.25%	10% / 90%	13.56%	12.73%
NON-METALS	12	8.13%	15% / 85%	11.05%	10.61%
OIL & GAS	15	8.13%	25% / 75%	12.50%	11.41%
SAND AND GRAVEL	18	8.13%	25% / 75%	10.08%	9.59%
URANIUM MINING	21	5.25%	15% / 85%	13.95%	12.65%



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
KEY RATES AND FIGURES**

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CORPORATE BONDS

Aaa	3.93%
Aa	4.03%
A	4.40%
Baa	5.25%
Ba1	7.02%
Ba2	8.13%
Ba3	8.13%
B1	8.17%
B2	9.81%
B3	9.90%
Caa1	12.72%
Caa2	12.72%
Caa3	13.90%
Ca	17.92%
C	21.00%

PUBLIC UTILITY BONDS

Aaa	N/A
Aa	4.00%
A	4.33%
Baa	5.07%

PREFERRED STOCKS

Aaa	N/A
Aa	N/A
A	5.63%
Baa	6.59%

MISCELLANEOUS RATES

Risk-Free Rate	2.57%
Market Risk Premium	6.62%
Default Income Tax Rate	38.50%
ValueLine GDP Price Deflator Forecast	1.00%

INFLATION FACTORS

Year	4th Quarter GDP Implicit Price Deflator	Annual Percent Change	Conversion Factor
2001	91.232	N/A	1.249
2002	92.894	1.82%	1.227
2003	94.818	2.07%	1.202
2004	97.874	3.22%	1.164
2005	101.302	3.50%	1.125
2006	104.186	2.85%	1.094
2007	106.958	2.66%	1.065
2008	109.300	2.19%	1.043
2009	109.943	0.59%	1.036
2010	111.644	1.55%	1.021
2011	113.946	2.06%	1.000

2012 - 2002 Average Change: 2.25%

Source:

St. Louis Federal Reserve as of February, 2012

Website:

<http://research.stlouisfed.org/fred2/series/GDPDEF>

MISCELLANEOUS INFORMATION

Resources:
 The Value Line Investment Survey, January 2012 CD
 2012 Ibbotson Risk Premia Over Time Report.
 Mergent Bond Record, January 2012 Vol. 79 No. 1
 2012 Ibbotson Valuation Yearbook



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
COAL MINING -- EQUITY RATE MODELS**

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RECONCILIATION

Equity Models	Equity Rate
CAPM: Rule 62 Compliant	13.82%
CAPM: Total NYSE	13.47%
CAPM: Supply Side	13.01%
CAPM: Deciles 1 & 2	12.58%
Division's Risk Premium	8.66%
DGM: Earnings & Dividend	12.62%
DGM: Plowback Ratio	14.33%
Reconciled Equity Rate	13.53%
Reconciled Equity Rate 13.53% 65.00% 8.79%	
Debt Rate (Corporate Ba3) 8.13% 35.00% 2.85%	
Weighted Average Cost of Capital	11.64%
Reconciled Equity Rate 13.53%	
Tax-Adjusted (38.25%) 21.91% 65.00% 8.79%	
Industry Debt Rate 8.13% 35.00% 2.85%	
Tax-Adjusted Weighted Average Cost of Capital	17.09%

CAPM: RULE 62 COMPLIANT

Item	Rate
Market Risk Premium	6.62%
x Industry Beta	1.70
Industry Risk Premium	11.25%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.82%

CAPM: FULL NYSE

Item	Rate
Market Risk Premium	6.41%
x Industry Beta	1.70
Industry Risk Premium	10.90%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.47%

CAPM: SUPPLY SIDE

Item	Rate
Market Risk Premium	6.14%
x Industry Beta	1.70
Industry Risk Premium	10.44%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.01%

CAPM: DECILES 1 & 2

Item	Rate
Market Risk Premium	5.89%
x Industry Beta	1.70
Industry Risk Premium	10.01%
Add: Risk-Free Rate	2.57%
Indicated Rate	12.58%

DIVISION'S RISK PREMIUM

Item	Rate
Market Risk Premium	6.62%
x Industry Financial Strength	0.92
Industry Risk Premium	6.09%
Add: Risk-Free Rate	2.57%
Indicated Rate	8.66%

GUIDELINE COMPANY INFORMATION SUMMARY

Company Name	Tax Rate	Relative Financial Strength	Beta
Alpha Natural Res.	25.81%	1.00 (B+)	1.90
Arch Coal	NMF	0.89 (B++)	1.65
CONSOL Energy	24.07%	0.89 (B++)	1.70
Peabody Energy	27.68%	0.89 (B++)	1.55
Selected	38.25%	0.92	1.70



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
COAL MINING -- DIVIDEND GROWTH MODELS**

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DIVIDEND GROWTH MODEL: EARNINGS AND DIVIDEND GROWTH

Company Name	Recent Stock Price	Next Year's Dividend	Projected Earnings Growth	Projected Dividend Growth	Market Growth Rate	D.G.M. Rate
Alpha Natural Res.	\$19.70	-	10.00%	-	10.00%	-
Arch Coal	\$14.11	\$0.44	15.50%	8.00%	11.75%	14.87%
CONSOL Energy	\$36.15	\$0.52	15.00%	13.00%	14.00%	15.44%
Peabody Energy	\$32.50	\$0.34	5.50%	7.50%	6.50%	7.55%
Indicated Rate						12.62%

DIVIDEND GROWTH MODEL: PLOWBACK RATIO

Company Name	Recent Stock Price	Next Year's Dividend	Return on Equity	Retention Rate	Market Growth Rate	D.G.M. Rate
Alpha Natural Res.	\$19.70	-	2.50%	82.00%	2.05%	-
Arch Coal	\$14.11	\$0.44	4.00%	80.00%	3.20%	6.32%
CONSOL Energy	\$36.15	\$0.52	19.50%	84.00%	16.38%	17.82%
Peabody Energy	\$32.50	\$0.34	20.00%	89.00%	17.80%	18.85%
Indicated Rate						14.33%

COMMENTS ABOUT THE COAL MINING INDUSTRY



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
COAL MINING -- CAPITAL STRUCTURE**

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CALCULATION OF CAPITAL STRUCTURE

Company Name	Long-Term Debt	Long-Term Interest	Implied Coupon Rate	Market Value of Debt*	Pref'd Divs	MV of Pref Eqty**	Recent Stock Price	Shares Outstd	Market Value of Equity
Alpha Natural Res.	2,931.3	100.0	1.71%	1,575.6	-	-	19.70	120.5	2,373.9
Arch Coal	3,841.3	400.0	5.21%	4,700.9	-	-	14.11	164.1	2,315.5
CONSOL Energy	3,178.7	266.0	4.18%	3,252.9	-	-	36.15	226.2	8,177.1
Peabody Energy	2,458.6	200.0	4.07%	2,459.7	-	-	32.50	270.6	8,794.5
Total				11,989.1	-				21,661.0

CAPITAL STRUCTURE AT MARKET VALUE

Company Name	Percent Debt & Preferred Equity	Percent Common Equity
Alpha Natural Res.	39.89%	60.11%
Arch Coal	67.00%	33.00%
CONSOL Energy	28.46%	71.54%
Peabody Energy	21.86%	78.14%
Mean	39.30%	60.70%
Weighted Mean	35.63%	64.37%

REMARKS

* Market Value of Debt: 8.13% (Corporate Ba3)
** Market Value of Pref. Equity: 6.59% (Baa)



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
PRECIOUS METALS -- EQUITY RATE MODELS**

RECONCILIATION

Equity Models				Equity Rate
CAPM: Rule 62 Compliant				11.51%
CAPM: Total NYSE				11.22%
CAPM: Supply Side				10.86%
CAPM: Deciles 1 & 2				10.52%
Division's Risk Premium				8.73%
DGM: Earnings & Dividend				17.89%
DGM: Plowback Ratio				0.00%
Reconciled Equity Rate				11.51%
Reconciled Equity Rate	11.51%	90.00%	10.36%	
Debt Rate (Corporate Baa)	5.25%	10.00%	0.53%	
Weighted Average Cost of Capital				10.89%
Reconciled Equity Rate	11.51%			
Tax-Adjusted (38.25%)	18.64%	90.00%	10.36%	
Industry Debt Rate	5.25%	10.00%	0.53%	
Tax-Adjusted Weighted Average Cost of Capital				17.31%

GUIDELINE COMPANY INFORMATION SUMMARY

Company Name	Tax Rate	Relative Financial Strength	Beta
Agnico-Eagle Mines	38.25%	1.00 (B+)	1.00
Allied Nevada Gold Corp	38.25%	1.00 (B+)	1.45
Aurizon Mines Ltd	38.25%		1.10
Barrick Gold	38.25%	0.78 (A)	0.90
Brigus Gold Corp	38.25%		1.30
Coeur d'Alene Mines	38.25%	1.00 (B+)	1.60
Goldcorp Inc.	38.25%	0.89 (B++)	1.00
Hecla Mining	38.25%	1.00 (B+)	1.65
Kinross Gold	38.25%	0.89 (B++)	1.00
Kirkland Lake Gold Inc	38.25%		1.30
New Gold Inc	38.25%		1.55
Newmont Mining	38.25%	0.89 (B++)	0.80
Richmont Mines	38.25%		0.90
Selected	38.25%	0.93	1.35

CAPM: RULE 62 COMPLIANT

Item	Rate
Market Risk Premium	6.62%
x Industry Beta	1.35
Industry Risk Premium	8.94%
Add: Risk-Free Rate	2.57%
Indicated Rate	11.51%

CAPM: FULL NYSE

Item	Rate
Market Risk Premium	6.41%
x Industry Beta	1.35
Industry Risk Premium	8.65%
Add: Risk-Free Rate	2.57%
Indicated Rate	11.22%

CAPM: SUPPLY SIDE

Item	Rate
Market Risk Premium	6.14%
x Industry Beta	1.35
Industry Risk Premium	8.29%
Add: Risk-Free Rate	2.57%
Indicated Rate	10.86%

CAPM: DECILES 1 & 2

Item	Rate
Market Risk Premium	5.89%
x Industry Beta	1.35
Industry Risk Premium	7.95%
Add: Risk-Free Rate	2.57%
Indicated Rate	10.52%

DIVISION'S RISK PREMIUM

Item	Rate
Market Risk Premium	6.62%
x Industry Financial Strength	0.93
Industry Risk Premium	6.16%
Add: Risk-Free Rate	2.57%
Indicated Rate	8.73%



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
PRECIOUS METALS -- DIVIDEND GROWTH MODELS**

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DIVIDEND GROWTH MODEL: EARNINGS AND DIVIDEND GROWTH

Company Name	Recent Stock Price	Next Year's Dividend	Projected Earnings Growth	Projected Dividend Growth	Market Growth Rate	D.G.M. Rate
Agnico-Eagle Mines	\$35.77	\$0.70	35.50%	22.50%	29.00%	30.96%
Allied Nevada Gold Corp	\$30.55	-	-	-	-	-
Aurizon Mines Ltd	\$4.78	-	8.19%	-	8.19%	-
Barrick Gold	\$45.18	\$0.60	1.50%	7.00%	4.25%	5.58%
Brigus Gold Corp	\$0.94	-	-	-	-	-
Coeur d'Alene Mines	\$24.03	-	-	-	-	-
Goldcorp Inc.	\$43.53	\$0.54	26.00%	29.50%	27.75%	28.99%
Hecla Mining	\$5.23	-	8.00%	-	8.00%	-
Kinross Gold	\$11.33	\$0.12	21.50%	7.50%	14.50%	15.56%
Kirkland Lake Gold Inc	\$14.73	-	-	-	-	-
New Gold Inc	\$9.92	-	5.00%	-	5.00%	-
Newmont Mining	\$60.36	\$1.58	-3.50%	15.00%	5.75%	8.37%
Richmont Mines	\$10.75	-	-	-	-	-
Indicated Rate						17.89%

DIVIDEND GROWTH MODEL: PLOWBACK RATIO

Company Name	Recent Stock Price	Next Year's Dividend	Return on Equity	Retention Rate	Market Growth Rate	D.G.M. Rate
Agnico-Eagle Mines	\$35.77	\$0.70	-	-	-	-
Allied Nevada Gold Corp	\$30.55	-	-	-	-	-
Aurizon Mines Ltd	\$4.78	-	-	-	-	-
Barrick Gold	\$45.18	\$0.60	-	-	-	-
Brigus Gold Corp	\$0.94	-	-	-	-	-
Coeur d'Alene Mines	\$24.03	-	-	-	-	-
Goldcorp Inc.	\$43.53	\$0.54	-	-	-	-
Hecla Mining	\$5.23	-	-	-	-	-
Kinross Gold	\$11.33	\$0.12	-	-	-	-
Kirkland Lake Gold Inc	\$14.73	-	-	-	-	-
New Gold Inc	\$9.92	-	-	-	-	-
Newmont Mining	\$60.36	\$1.58	-	-	-	-
Richmont Mines	\$10.75	-	-	-	-	-
Indicated Rate						0.00%

COMMENTS ABOUT THE PRECIOUS METALS INDUSTRY



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
PRECIOUS METALS -- CAPITAL STRUCTURE**

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CALCULATION OF CAPITAL STRUCTURE

Company Name	Long-Term Debt	Long-Term Interest	Implied Coupon Rate	Market Value of Debt*	Pref'd Divs	MV of Pref Eqty**	Recent Stock Price	Shares Outstd	Market Value of Equity
Agnico-Eagle Mines	650.0	59.0	4.54%	955.7	-	-	35.77	168.7	6,034.4
Allied Nevada Gold Corp	20.1	-	-	20.1	-	-	30.55	89.0	2,718.9
Aurizon Mines Ltd	-	-	-	-	-	-	4.78	-	-
Barrick Gold	13,229.0	565.0	2.14%	11,637.0	-	-	45.18	998.5	45,112.2
Brigus Gold Corp	-	-	-	-	-	-	0.94	-	-
Coeur d'Alene Mines	124.5	-	-	124.5	-	-	24.03	89.3	2,145.9
Goldcorp Inc.	715.0	52.0	3.64%	892.8	-	-	43.53	798.4	34,754.4
Hecla Mining	4.1	-	-	4.1	0.6	9.1	5.23	258.5	1,352.0
Kinross Gold	415.0	29.0	3.49%	503.7	-	-	11.33	1,133.3	12,840.3
Kirkland Lake Gold Inc	-	-	-	-	-	-	14.73	-	-
New Gold Inc	-	-	-	-	-	-	9.92	-	-
Newmont Mining	3,771.0	165.0	2.19%	3,365.7	-	-	60.36	492.7	29,739.4
Richmont Mines	-	-	-	-	-	-	10.75	-	-
Total				17,503.6		9.1			134,697.5

CAPITAL STRUCTURE AT MARKET VALUE

Company Name	Percent Debt & Preferred Equity	Percent Common Equity
Agnico-Eagle Mines	13.67%	86.33%
Allied Nevada Gold Corp	0.73%	99.27%
Aurizon Mines Ltd	-	-
Barrick Gold	20.51%	79.49%
Brigus Gold Corp	-	-
Coeur d'Alene Mines	5.48%	94.52%
Goldcorp Inc.	2.50%	97.50%
Hecla Mining	0.97%	99.03%
Kinross Gold	3.77%	96.23%
Kirkland Lake Gold Inc	-	-
New Gold Inc	-	-
Newmont Mining	10.17%	89.83%
Richmont Mines	-	-
Mean	7.23%	92.77%
Weighted Mean	11.51%	88.49%

REMARKS

* Market Value of Debt: 5.25% (Corporate Baa)
** Market Value of Pref. Equity: 6.59% (Baa)



UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
NON-PRECIOUS METALS -- EQUITY RATE MODELS

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RECONCILIATION

Equity Models				Equity Rate
CAPM: Rule 62 Compliant				13.56%
CAPM: Total NYSE				13.21%
CAPM: Supply Side				12.76%
CAPM: Deciles 1 & 2				12.35%
Division's Risk Premium				7.60%
DGM: Earnings & Dividend				17.82%
DGM: Plowback Ratio				0.00%
Reconciled Equity Rate				13.56%
Reconciled Equity Rate	13.56%	90.00%	12.20%	
Debt Rate (Corporate Baa)	5.25%	10.00%	0.53%	
Weighted Average Cost of Capital				12.73%
Reconciled Equity Rate	13.56%			
Tax-Adjusted (38.25%)	21.96%	90.00%	12.20%	
Industry Debt Rate	5.25%	10.00%	0.53%	
Tax-Adjusted Weighted Average Cost of Capital				20.29%

GUIDELINE COMPANY INFORMATION SUMMARY

Company Name	Tax Rate	Relative Financial Strength	Beta
BHP Billiton Ltd. ADR	38.25%	0.78 (A)	1.40
Freep't-McMoRan C&G	38.25%	0.67 (A+)	1.65
Inmet Mining Corp.	38.25%		1.60
Lundin Mining Corp	38.25%		1.95
Rio Tinto plc	38.25%	0.78 (A)	1.60
Southern Copper	38.25%	0.67 (A+)	1.55
Teck Resources Ltd. 'B'	38.25%	0.89 (B++)	1.90
Thompson Creek Metals Company	38.25%		1.60
Selected	38.25%	0.76	1.66

CAPM: RULE 62 COMPLIANT

Item	Rate
Market Risk Premium	6.62%
x Industry Beta	1.66
Industry Risk Premium	10.99%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.56%

CAPM: FULL NYSE

Item	Rate
Market Risk Premium	6.41%
x Industry Beta	1.66
Industry Risk Premium	10.64%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.21%

CAPM: SUPPLY SIDE

Item	Rate
Market Risk Premium	6.14%
x Industry Beta	1.66
Industry Risk Premium	10.19%
Add: Risk-Free Rate	2.57%
Indicated Rate	12.76%

CAPM: DECILES 1 & 2

Item	Rate
Market Risk Premium	5.89%
x Industry Beta	1.66
Industry Risk Premium	9.78%
Add: Risk-Free Rate	2.57%
Indicated Rate	12.35%

DIVISION'S RISK PREMIUM

Item	Rate
Market Risk Premium	6.62%
x Industry Financial Strength	0.76
Industry Risk Premium	5.03%
Add: Risk-Free Rate	2.57%
Indicated Rate	7.60%



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
NON-PRECIOUS METALS -- DIVIDEND GROWTH MODELS**

DIVIDEND GROWTH MODEL: EARNINGS AND DIVIDEND GROWTH

Company Name	Recent Stock Price	Next Year's Dividend	Projected Earnings Growth	Projected Dividend Growth	Market Growth Rate	D.G.M. Rate
BHP Billiton Ltd. ADR	\$70.30	\$2.20	17.00%	13.50%	15.25%	18.38%
Freep't-McMoRan C&G	\$36.54	\$1.08	12.50%	19.50%	16.00%	18.96%
Inmet Mining Corp.	\$65.40	-	-	-	-	-
Lundin Mining Corp	\$3.78	-	-	-	-	-
Rio Tinto plc	\$48.21	\$1.34	18.50%	11.50%	15.00%	17.78%
Southern Copper	\$29.94	\$1.86	19.00%	8.00%	13.50%	19.71%
Teck Resources Ltd. 'B'	\$35.21	\$0.80	7.50%	16.50%	12.00%	14.27%
Thompson Creek Metals Company	\$6.86	-	-	-	-	-
Indicated Rate						17.82%

DIVIDEND GROWTH MODEL: PLOWBACK RATIO

Company Name	Recent Stock Price	Next Year's Dividend	Return on Equity	Retention Rate	Market Growth Rate	D.G.M. Rate
BHP Billiton Ltd. ADR	\$70.30	\$2.20	-	-	-	-
Freep't-McMoRan C&G	\$36.54	\$1.08	-	-	-	-
Inmet Mining Corp.	\$65.40	-	-	-	-	-
Lundin Mining Corp	\$3.78	-	-	-	-	-
Rio Tinto plc	\$48.21	\$1.34	-	-	-	-
Southern Copper	\$29.94	\$1.86	-	-	-	-
Teck Resources Ltd. 'B'	\$35.21	\$0.80	-	-	-	-
Thompson Creek Metals Company	\$6.86	-	-	-	-	-
Indicated Rate						0.00%

COMMENTS ABOUT THE NON-PRECIOUS METALS INDUSTRY



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
NON-PRECIOUS METALS -- CAPITAL STRUCTURE**

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CALCULATION OF CAPITAL STRUCTURE

Company Name	Long-Term Debt	Long-Term Interest	Implied Coupon Rate	Market Value of Debt*	Pref'd Divs	MV of Pref Eqty**	Recent Stock Price	Shares Outstd	Market Value of Equity
BHP Billiton Ltd. ADR	12,388.0	900.0	3.63%	15,456.3	-	-	70.30	2,675.0	188,052.5
Freep't-McMoRan C&G	3,531.0	220.0	3.12%	3,956.6	-	-	36.54	945.0	34,530.3
Inmet Mining Corp.	-	-	-	-	-	-	65.40	-	-
Lundin Mining Corp	-	-	-	-	-	-	3.78	-	-
Rio Tinto plc	17,426.0	850.0	2.44%	16,628.7	-	-	48.21	1,962.1	94,592.8
Southern Copper	2,740.6	195.0	3.56%	3,368.9	-	-	29.94	850.0	25,449.0
Teck Resources Ltd. 'B'	6,879.0	380.0	2.76%	7,110.7	-	-	35.21	590.6	20,795.0
Thompson Creek Metals Company	-	-	-	-	-	-	6.86	-	-
Total				46,521.2		-			363,419.6

CAPITAL STRUCTURE AT MARKET VALUE

Company Name	Percent Debt & Preferred Equity	Percent Common Equity
BHP Billiton Ltd. ADR	7.59%	92.41%
Freep't-McMoRan C&G	10.28%	89.72%
Inmet Mining Corp.	-	-
Lundin Mining Corp	-	-
Rio Tinto plc	14.95%	85.05%
Southern Copper	11.69%	88.31%
Teck Resources Ltd. 'B'	25.48%	74.52%
Thompson Creek Metals Company	-	-
Mean	14.00%	86.00%
Weighted Mean	11.35%	88.65%

REMARKS

* Market Value of Debt: 5.25% (Corporate Baa)
** Market Value of Pref. Equity: 6.59% (Baa)



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
NON-METALS -- EQUITY RATE MODELS**

RECONCILIATION

Equity Models	Equity Rate
CAPM: Rule 62 Compliant	10.45%
CAPM: Total NYSE	10.20%
CAPM: Supply Side	9.88%
CAPM: Deciles 1 & 2	9.58%
Division's Risk Premium	9.19%
DGM: Earnings & Dividend	16.40%
DGM: Plowback Ratio	13.21%
Reconciled Equity Rate	11.05%
Reconciled Equity Rate	11.05%
Debt Rate (Corporate Ba3)	8.13%
Weighted Average Cost of Capital	10.61%
Reconciled Equity Rate	11.05%
Tax-Adjusted (38.25%)	17.89%
Industry Debt Rate	8.13%
Tax-Adjusted Weighted Average Cost of Capital	16.43%

CAPM: RULE 62 COMPLIANT

Item	Rate
Market Risk Premium	6.62%
x Industry Beta	1.19
Industry Risk Premium	7.88%
Add: Risk-Free Rate	2.57%
Indicated Rate	10.45%

CAPM: FULL NYSE

Item	Rate
Market Risk Premium	6.41%
x Industry Beta	1.19
Industry Risk Premium	7.63%
Add: Risk-Free Rate	2.57%
Indicated Rate	10.20%

CAPM: SUPPLY SIDE

Item	Rate
Market Risk Premium	6.14%
x Industry Beta	1.19
Industry Risk Premium	7.31%
Add: Risk-Free Rate	2.57%
Indicated Rate	9.88%

CAPM: DECILES 1 & 2

Item	Rate
Market Risk Premium	5.89%
x Industry Beta	1.19
Industry Risk Premium	7.01%
Add: Risk-Free Rate	2.57%
Indicated Rate	9.58%

DIVISION'S RISK PREMIUM

Item	Rate
Market Risk Premium	6.62%
x Industry Financial Strength	1.00
Industry Risk Premium	6.62%
Add: Risk-Free Rate	2.57%
Indicated Rate	9.19%

GUIDELINE COMPANY INFORMATION SUMMARY

Company Name	Tax Rate	Relative Financial Strength	Beta
Compass Minerals	25.10%		1.00
Eagle Materials	NMF	1.00 (B+)	1.20
Martin Marietta	22.88%	0.89 (B++)	1.20
Potash	26.20%		1.40
Texas Inds.	NMF	1.11 (B)	1.50
U S Lime & Minerals	28.01%	0.89 (B++)	0.90
Vulcan Materials	NMF	1.11 (B)	1.10
Selected	38.25%	1.00	1.19



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
NON-METALS -- DIVIDEND GROWTH MODELS**

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DIVIDEND GROWTH MODEL: EARNINGS AND DIVIDEND GROWTH

Company Name	Recent Stock Price	Next Year's Dividend	Projected Earnings Growth	Projected Dividend Growth	Market Growth Rate	D.G.M. Rate
Compass Minerals	\$66.46	\$1.80	-	-	-	-
Eagle Materials	\$25.50	\$0.44	17.50%	3.00%	10.25%	11.98%
Martin Marietta	\$75.00	\$1.60	14.00%	4.00%	9.00%	11.13%
Potash	\$42.34	-	-	-	-	-
Texas Inds.	\$30.92	-	-	-	-	-
U S Lime & Minerals	\$59.50	-	-	-	-	-
Vulcan Materials	\$39.14	\$0.04	26.00%	-	26.00%	26.10%
Indicated Rate						16.40%

DIVIDEND GROWTH MODEL: PLOWBACK RATIO

Company Name	Recent Stock Price	Next Year's Dividend	Return on Equity	Retention Rate	Market Growth Rate	D.G.M. Rate
Compass Minerals	\$66.46	\$1.80	44.00%	67.10%	29.52%	32.23%
Eagle Materials	\$25.50	\$0.44	10.50%	67.05%	7.04%	8.77%
Martin Marietta	\$75.00	\$1.60	9.00%	66.67%	6.00%	8.13%
Potash	\$42.34	-	25.00%	92.34%	23.09%	-
Texas Inds.	\$30.92	-	5.00%	-	-	-
U S Lime & Minerals	\$59.50	-	14.10%	-	-	-
Vulcan Materials	\$39.14	\$0.04	5.00%	72.41%	3.62%	3.72%
Indicated Rate						13.21%

COMMENTS ABOUT THE NON-METALS INDUSTRY



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
NON-METALS -- CAPITAL STRUCTURE**

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CALCULATION OF CAPITAL STRUCTURE

Company Name	Long-Term Debt	Long-Term Interest	Implied Coupon Rate	Market Value of Debt*	Pref'd Divs	MV of Pref Eqty**	Recent Stock Price	Shares Outstd	Market Value of Equity
Compass Minerals	480.5	22.0	2.29%	313.2	-	-	66.46	38.0	2,525.5
Eagle Materials	285.0	16.4	2.88%	218.6	-	-	25.50	44.5	1,134.8
Martin Marietta	1,038.3	50.8	2.45%	708.8	-	-	75.00	45.5	3,412.5
Potash	3,704.0	217.0	2.93%	2,879.4	-	-	42.34	853.0	36,116.0
Texas Inds.	652.4	63.0	4.83%	750.0	-	-	30.92	27.9	862.7
U S Lime & Minerals	27.9	-	-	27.9	-	-	59.50	6.4	380.8
Vulcan Materials	2,816.2	145.0	2.57%	1,993.3	-	-	39.14	129.1	5,053.0
Total				6,891.2		-			49,485.3

CAPITAL STRUCTURE AT MARKET VALUE

Company Name	Percent Debt & Preferred Equity	Percent Common Equity
Compass Minerals	11.03%	88.97%
Eagle Materials	16.15%	83.85%
Martin Marietta	17.20%	82.80%
Potash	7.38%	92.62%
Texas Inds.	46.51%	53.49%
U S Lime & Minerals	6.83%	93.17%
Vulcan Materials	28.29%	71.71%
Mean	19.06%	80.94%
Weighted Mean	12.22%	87.78%

REMARKS

* Market Value of Debt: 8.13% (Corporate Ba3)
** Market Value of Pref. Equity: 6.59% (Baa)



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
OIL & GAS -- EQUITY RATE MODELS**

RECONCILIATION

Equity Models	Equity Rate
CAPM: Rule 62 Compliant	12.50%
CAPM: Total NYSE	12.19%
CAPM: Supply Side	11.78%
CAPM: Deciles 1 & 2	11.41%
Division's Risk Premium	9.45%
DGM: Earnings & Dividend	17.06%
DGM: Plowback Ratio	12.01%
Reconciled Equity Rate	12.50%
Reconciled Equity Rate 12.50% 75.00%	9.38%
Debt Rate (Corporate Ba3) 8.13% 25.00%	2.03%
Weighted Average Cost of Capital	11.41%
Reconciled Equity Rate 12.50%	
Tax-Adjusted (38.25%) 20.24% 75.00%	9.38%
Industry Debt Rate 8.13% 25.00%	2.03%
Tax-Adjusted Weighted Average Cost of Capital	17.21%

CAPM: RULE 62 COMPLIANT

Item	Rate
Market Risk Premium	6.62%
x Industry Beta	1.50
Industry Risk Premium	9.93%
Add: Risk-Free Rate	2.57%
Indicated Rate	12.50%

CAPM: FULL NYSE

Item	Rate
Market Risk Premium	6.41%
x Industry Beta	1.50
Industry Risk Premium	9.62%
Add: Risk-Free Rate	2.57%
Indicated Rate	12.19%

CAPM: SUPPLY SIDE

Item	Rate
Market Risk Premium	6.14%
x Industry Beta	1.50
Industry Risk Premium	9.21%
Add: Risk-Free Rate	2.57%
Indicated Rate	11.78%

CAPM: DECILES 1 & 2

Item	Rate
Market Risk Premium	5.89%
x Industry Beta	1.50
Industry Risk Premium	8.84%
Add: Risk-Free Rate	2.57%
Indicated Rate	11.41%

DIVISION'S RISK PREMIUM

Item	Rate
Market Risk Premium	6.62%
x Industry Financial Strength	1.04
Industry Risk Premium	6.88%
Add: Risk-Free Rate	2.57%
Indicated Rate	9.45%

GUIDELINE COMPANY INFORMATION SUMMARY

Company Name	Tax Rate	Relative Financial Strength	Beta
Abraxas Petrol	NMF	1.11 (B)	1.70
Berry Petroleum `A'	39.54%	1.00 (B+)	1.75
Bill Barrett Corp	37.33%	1.00 (B+)	1.35
Double Eagle Petroleum Co.	38.65%	1.22 (C++)	1.50
EnCana Corp.	54.60%	0.89 (B++)	1.21
Forest Oil	34.65%	1.00 (B+)	1.18
Gasco Energy Inc	NMF	1.22 (C++)	1.75
GMX Resources Inc	NMF	1.22 (C++)	1.75
Isramco Inc.	NMF	1.22 (C++)	0.80
Kodiak Oil & Gas Corp	NMF	1.00 (B+)	1.60
Legacy Reserves	NMF	1.00 (B+)	1.15
Pioneer Natural Res.	34.54%	1.00 (B+)	1.45
QEP Resources	36.87%	0.89 (B++)	
Quicksilver Res.	36.14%	1.11 (B)	1.65
Resolute Energy Corp	27.86%	0.78 (A)	0.60
Ultra Petroleum	35.87%	0.89 (B++)	1.10
Warren Resources Inc	NMF	1.11 (B)	2.05
Whiting Petroleum Corp	37.82%	1.00 (B+)	1.70
Selected	38.25%	1.04	1.50



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
OIL & GAS -- DIVIDEND GROWTH MODELS**

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DIVIDEND GROWTH MODEL: EARNINGS AND DIVIDEND GROWTH

Company Name	Recent Stock Price	Next Year's Dividend	Projected Earnings Growth	Projected Dividend Growth	Market Growth Rate	D.G.M. Rate
Abraxas Petrol	\$3.35	-	-	-	-	-
Berry Petroleum 'A'	\$41.52	\$0.32	15.00%	12.00%	13.50%	14.27%
Bill Barrett Corp	\$34.27	-	10.00%	-	10.00%	-
Double Eagle Petroleum Co.	\$6.97	-	-	-	-	-
EnCana Corp.	\$18.35	\$0.80	NMF	NMF	-	-
Forest Oil	\$13.26	-	2.50%	-	2.50%	-
Gasco Energy Inc	\$0.21	-	-	-	-	-
GMX Resources Inc	\$1.23	-	10.00%	-	10.00%	-
Isramco Inc.	\$91.00	-	-	-	-	-
Kodiak Oil & Gas Corp	\$9.66	-	20.00%	-	20.00%	-
Legacy Reserves	\$28.36	-	-	-	-	-
Pioneer Natural Res.	\$88.97	\$0.08	31.00%	8.50%	19.75%	19.84%
QEP Resources	\$29.23	\$0.12	-	-	-	-
Quicksilver Res.	\$6.84	-	11.00%	-	11.00%	-
Resolute Energy Corp	\$10.75	-	24.55%	-	24.55%	-
Ultra Petroleum	\$30.21	-	18.50%	-	18.50%	-
Warren Resources Inc	\$3.11	-	10.00%	-	10.00%	-
Whiting Petroleum Corp	\$46.33	-	16.54%	-	16.54%	-
Indicated Rate						17.06%

DIVIDEND GROWTH MODEL: PLOWBACK RATIO

Company Name	Recent Stock Price	Next Year's Dividend	Return on Equity	Retention Rate	Market Growth Rate	D.G.M. Rate
Abraxas Petrol	\$3.35	-	-	-	-	-
Berry Petroleum 'A'	\$41.52	\$0.32	14.50%	88.57%	12.84%	13.61%
Bill Barrett Corp	\$34.27	-	-	-	-	-
Double Eagle Petroleum Co.	\$6.97	-	-	-	-	-
EnCana Corp.	\$18.35	\$0.80	10.00%	67.72%	6.77%	11.13%
Forest Oil	\$13.26	-	15.50%	-	-	-
Gasco Energy Inc	\$0.21	-	-	-	-	-
GMX Resources Inc	\$1.23	-	-	-	-	-
Isramco Inc.	\$91.00	-	-	-	-	-
Kodiak Oil & Gas Corp	\$9.66	-	-	-	-	-
Legacy Reserves	\$28.36	-	-	-	-	-
Pioneer Natural Res.	\$88.97	\$0.08	12.00%	96.67%	11.60%	11.69%
QEP Resources	\$29.23	\$0.12	12.00%	93.33%	11.20%	11.61%
Quicksilver Res.	\$6.84	-	15.50%	-	-	-
Resolute Energy Corp	\$10.75	-	-	-	-	-
Ultra Petroleum	\$30.21	-	22.00%	-	-	-
Warren Resources Inc	\$3.11	-	-	-	-	-
Whiting Petroleum Corp	\$46.33	-	-	-	-	-
Indicated Rate						12.01%

COMMENTS ABOUT THE OIL & GAS INDUSTRY



UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
OIL & GAS -- CAPITAL STRUCTURE

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CALCULATION OF CAPITAL STRUCTURE

Company Name	Long-Term Debt	Long-Term Interest	Implied Coupon Rate	Market Value of Debt*	Pref'd Divs	MV of Pref Eqty**	Recent Stock Price	Shares Outstd	Market Value of Equity
Abraxas Petrol	94.9	-	-	94.9	-	-	3.35	76.0	254.6
Berry Petroleum `A'	1,335.3	75.0	2.81%	1,006.4	-	-	41.52	53.2	2,208.9
Bill Barrett Corp	553.2	-	-	553.2	-	-	34.27	45.9	1,573.0
Double Eagle Petroleum Co.	32.0	-	-	32.0	3.7	56.1	6.97	11.2	78.1
EnCana Corp.	6,598.0	390.0	2.96%	5,162.9	-	-	18.35	736.3	13,511.1
Forest Oil	1,586.6	130.0	4.10%	1,596.5	-	-	13.26	113.6	1,506.3
Gasco Energy Inc	21.7	-	-	21.7	-	-	0.21	121.2	25.5
GMX Resources Inc	341.3	-	-	341.3	7.3	110.8	1.23	28.6	35.2
Isramco Inc.	62.6	-	-	62.6	-	-	91.00	2.7	245.7
Kodiak Oil & Gas Corp	114.8	-	-	114.8	-	-	9.66	178.2	1,721.4
Legacy Reserves	405.0	-	-	405.0	-	-	28.36	43.5	1,233.7
Pioneer Natural Res.	2,571.0	180.0	3.50%	2,286.5	-	-	88.97	115.3	10,258.2
QEP Resources	1,582.7	90.0	2.84%	1,203.6	-	-	29.23	175.9	5,141.6
Quicksilver Res.	1,931.0	130.0	3.37%	1,666.5	-	-	6.84	170.5	1,166.2
Resolute Energy Corp	66.5	-	-	66.5	-	-	10.75	54.7	588.0
Ultra Petroleum	1,560.0	60.0	1.92%	905.0	-	-	30.21	152.6	4,610.0
Warren Resources Inc	71.2	-	-	71.2	-	-	3.11	70.7	219.9
Whiting Petroleum Corp	1,060.0	-	-	1,060.0	1.1	16.7	46.33	117.1	5,425.2
Total				16,650.6		183.6			49,802.6

CAPITAL STRUCTURE AT MARKET VALUE

Company Name	Percent Debt & Preferred Equity	Percent Common Equity
Abraxas Petrol	27.15%	72.85%
Berry Petroleum `A'	31.30%	68.70%
Bill Barrett Corp	26.02%	73.98%
Double Eagle Petroleum Co.	53.01%	46.99%
EnCana Corp.	27.65%	72.35%
Forest Oil	51.45%	48.55%
Gasco Energy Inc	45.97%	54.03%
GMX Resources Inc	92.78%	7.22%
Isramco Inc.	20.30%	79.70%
Kodiak Oil & Gas Corp	6.25%	93.75%
Legacy Reserves	24.71%	75.29%
Pioneer Natural Res.	18.23%	81.77%
QEP Resources	18.97%	81.03%
Quicksilver Res.	58.83%	41.17%
Resolute Energy Corp	10.16%	89.84%
Ultra Petroleum	16.41%	83.59%
Warren Resources Inc	24.46%	75.54%
Whiting Petroleum Corp	16.56%	83.44%
Mean	31.68%	68.32%
Weighted Mean	25.26%	74.74%

REMARKS

* Market Value of Debt: 8.13% (Corporate Ba3)
** Market Value of Pref. Equity: 6.59% (Baa)



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
SAND AND GRAVEL -- EQUITY RATE MODELS**

RECONCILIATION

Equity Models				Equity Rate
CAPM: Rule 62 Compliant				10.71%
CAPM: Total NYSE				10.45%
CAPM: Supply Side				10.12%
CAPM: Deciles 1 & 2				9.81%
Division's Risk Premium				9.32%
DGM: Earnings & Dividend				8.85%
DGM: Plowback Ratio				0.00%
Reconciled Equity Rate				10.08%
Reconciled Equity Rate	10.08%	75.00%	7.56%	
Debt Rate (Corporate Ba3)	8.13%	25.00%	2.03%	
Weighted Average Cost of Capital				9.59%
Reconciled Equity Rate	10.08%			
Tax-Adjusted (38.25%)	16.32%	75.00%	7.56%	
Industry Debt Rate	8.13%	25.00%	2.03%	
Tax-Adjusted Weighted Average Cost of Capital				14.27%

GUIDELINE COMPANY INFORMATION SUMMARY

Company Name	Tax Rate	Relative Financial Strength	Beta
Eagle Materials	NMF	1.00 (B+)	1.20
Granite Construction	NMF	1.00 (B+)	1.15
Martin Marietta	22.88%	0.89 (B++)	1.20
Texas Inds.	NMF	1.11 (B)	1.50
Vulcan Materials	NMF	1.11 (B)	1.10
Selected	38.25%	1.02	1.23

CAPM: RULE 62 COMPLIANT

Item	Rate
Market Risk Premium	6.62%
x Industry Beta	1.23
Industry Risk Premium	8.14%
Add: Risk-Free Rate	2.57%
Indicated Rate	10.71%

CAPM: FULL NYSE

Item	Rate
Market Risk Premium	6.41%
x Industry Beta	1.23
Industry Risk Premium	7.88%
Add: Risk-Free Rate	2.57%
Indicated Rate	10.45%

CAPM: SUPPLY SIDE

Item	Rate
Market Risk Premium	6.14%
x Industry Beta	1.23
Industry Risk Premium	7.55%
Add: Risk-Free Rate	2.57%
Indicated Rate	10.12%

CAPM: DECILES 1 & 2

Item	Rate
Market Risk Premium	5.89%
x Industry Beta	1.23
Industry Risk Premium	7.24%
Add: Risk-Free Rate	2.57%
Indicated Rate	9.81%

DIVISION'S RISK PREMIUM

Item	Rate
Market Risk Premium	6.62%
x Industry Financial Strength	1.02
Industry Risk Premium	6.75%
Add: Risk-Free Rate	2.57%
Indicated Rate	9.32%



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
SAND AND GRAVEL -- DIVIDEND GROWTH MODELS**

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DIVIDEND GROWTH MODEL: EARNINGS AND DIVIDEND GROWTH

Company Name	Recent Stock Price	Next Year's Dividend	Projected Earnings Growth	Projected Dividend Growth	Market Growth Rate	D.G.M. Rate
Eagle Materials	\$25.50	\$0.44	17.50%	3.00%	10.25%	11.98%
Granite Construction	\$23.80	\$0.52	13.00%	0.50%	6.75%	8.93%
Martin Marietta	\$75.00	\$1.60	14.00%	4.00%	9.00%	11.13%
Texas Inds.	\$30.92	-	-	-	-	-
Vulcan Materials	\$39.14	\$0.04	26.00%	-19.50%	3.25%	3.35%
Indicated Rate						8.85%

DIVIDEND GROWTH MODEL: PLOWBACK RATIO

Company Name	Recent Stock Price	Next Year's Dividend	Return on Equity	Retention Rate	Market Growth Rate	D.G.M. Rate
Eagle Materials	\$25.50	\$0.44	-	-	-	-
Granite Construction	\$23.80	\$0.52	-	-	-	-
Martin Marietta	\$75.00	\$1.60	-	-	-	-
Texas Inds.	\$30.92	-	-	-	-	-
Vulcan Materials	\$39.14	\$0.04	-	-	-	-
Indicated Rate						0.00%

COMMENTS ABOUT THE SAND AND GRAVEL INDUSTRY



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
SAND AND GRAVEL -- CAPITAL STRUCTURE**

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CALCULATION OF CAPITAL STRUCTURE

Company Name	Long-Term Debt	Long-Term Interest	Implied Coupon Rate	Market Value of Debt*	Pref'd Divs	MV of Pref Eqty**	Recent Stock Price	Shares Outstd	Market Value of Equity
Eagle Materials	-	-	-	-	-	-	25.50	44.5	1,134.8
Granite Construction	-	-	-	-	-	-	23.80	38.7	921.1
Martin Marietta	-	-	-	-	-	-	75.00	45.5	3,412.5
Texas Inds.	-	-	-	-	-	-	30.92	27.9	862.7
Vulcan Materials	-	-	-	-	-	-	39.14	129.1	5,053.0
Total				-		-			11,384.1

CAPITAL STRUCTURE AT MARKET VALUE

Company Name	Percent Debt & Preferred Equity	Percent Common Equity
Eagle Materials	-	100.00%
Granite Construction	-	100.00%
Martin Marietta	-	100.00%
Texas Inds.	-	100.00%
Vulcan Materials	-	100.00%
Mean	-	100.00%
Weighted Mean	-	100.00%

REMARKS

* Market Value of Debt: 8.13% (Corporate Ba3)
** Market Value of Pref. Equity: 6.59% (Baa)



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
URANIUM MINING -- EQUITY RATE MODELS**

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RECONCILIATION

Equity Models				Equity Rate
CAPM: Rule 62 Compliant				13.82%
CAPM: Total NYSE				13.47%
CAPM: Supply Side				13.01%
CAPM: Deciles 1 & 2				12.58%
Division's Risk Premium				8.46%
DGM: Earnings & Dividend				16.46%
DGM: Plowback Ratio				19.99%
Reconciled Equity Rate				13.95%
Reconciled Equity Rate	13.95%	85.00%		11.86%
Debt Rate (Corporate Baa)	5.25%	15.00%		0.79%
Weighted Average Cost of Capital				12.65%
Reconciled Equity Rate	13.95%			
Tax-Adjusted (38.25%)	22.59%	85.00%		11.86%
Industry Debt Rate	5.25%	15.00%		0.79%
Tax-Adjusted Weighted Average Cost of Capital				19.99%

GUIDELINE COMPANY INFORMATION SUMMARY

Company Name	Tax Rate	Relative Financial Strength	Beta
Alcoa Inc.	27.01%	1.00 (B+)	1.45
Allegheny Techn.	30.07%	0.89 (B++)	1.55
BHP Billiton Ltd. ADR	23.39%	0.78 (A)	1.40
Freep't-McMoRan C&G	35.05%	0.67 (A+)	1.65
Teck Resources Ltd. 'B'	31.97%	0.89 (B++)	1.90
Uranium Energy Corp	NMF		1.70
Uranium Resources Inc	NMF	1.11 (B)	2.25
Selected	38.25%	0.89	1.70

CAPM: RULE 62 COMPLIANT

Item	Rate
Market Risk Premium	6.62%
x Industry Beta	1.70
Industry Risk Premium	11.25%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.82%

CAPM: FULL NYSE

Item	Rate
Market Risk Premium	6.41%
x Industry Beta	1.70
Industry Risk Premium	10.90%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.47%

CAPM: SUPPLY SIDE

Item	Rate
Market Risk Premium	6.14%
x Industry Beta	1.70
Industry Risk Premium	10.44%
Add: Risk-Free Rate	2.57%
Indicated Rate	13.01%

CAPM: DECILES 1 & 2

Item	Rate
Market Risk Premium	5.89%
x Industry Beta	1.70
Industry Risk Premium	10.01%
Add: Risk-Free Rate	2.57%
Indicated Rate	12.58%

DIVISION'S RISK PREMIUM

Item	Rate
Market Risk Premium	6.62%
x Industry Financial Strength	0.89
Industry Risk Premium	5.89%
Add: Risk-Free Rate	2.57%
Indicated Rate	8.46%



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
URANIUM MINING -- DIVIDEND GROWTH MODELS**

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DIVIDEND GROWTH MODEL: EARNINGS AND DIVIDEND GROWTH

Company Name	Recent Stock Price	Next Year's Dividend	Projected Earnings Growth	Projected Dividend Growth	Market Growth Rate	D.G.M. Rate
Alcoa Inc.	\$8.63	\$0.14	-	-	-	-
Allegheny Techn.	\$47.94	\$0.72	22.00%	3.50%	12.75%	14.25%
BHP Billiton Ltd. ADR	\$70.30	\$2.20	17.00%	13.50%	15.25%	18.38%
Freep't-McMoRan C&G	\$36.54	\$1.08	12.50%	19.50%	16.00%	18.96%
Teck Resources Ltd. 'B'	\$35.21	\$0.80	7.50%	16.50%	12.00%	14.27%
Uranium Energy Corp	\$2.97	-	-	-	-	-
Uranium Resources Inc	\$0.74	-	-	-	-	-
Indicated Rate						16.46%

DIVIDEND GROWTH MODEL: PLOWBACK RATIO

Company Name	Recent Stock Price	Next Year's Dividend	Return on Equity	Retention Rate	Market Growth Rate	D.G.M. Rate
Alcoa Inc.	\$8.63	\$0.14	8.50%	86.00%	7.31%	8.93%
Allegheny Techn.	\$47.94	\$0.72	13.00%	88.00%	11.44%	12.94%
BHP Billiton Ltd. ADR	\$70.30	\$2.20	41.70%	70.00%	29.19%	32.32%
Freep't-McMoRan C&G	\$36.54	\$1.08	37.00%	77.50%	28.68%	31.63%
Teck Resources Ltd. 'B'	\$35.21	\$0.80	15.00%	79.10%	11.87%	14.14%
Uranium Energy Corp	\$2.97	-	-	-	-	-
Uranium Resources Inc	\$0.74	-	-	-	-	-
Indicated Rate						19.99%

COMMENTS ABOUT THE URANIUM MINING INDUSTRY



**UTAH STATE TAX COMMISSION
PROPERTY TAX DIVISION
URANIUM MINING -- CAPITAL STRUCTURE**

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CALCULATION OF CAPITAL STRUCTURE

Company Name	Long-Term Debt	Long-Term Interest	Implied Coupon Rate	Market Value of Debt*	Pref'd Divs	MV of Pref Eqty**	Recent Stock Price	Shares Outstd	Market Value of Equity
Alcoa Inc.	8,773.0	450.0	2.56%	8,642.9	2.0	30.3	8.63	1,022.0	8,819.9
Allegheny Techn.	1,496.5	62.0	2.07%	1,292.9	-	-	47.94	98.5	4,722.1
BHP Billiton Ltd. ADR	12,388.0	900.0	3.63%	15,456.3	-	-	70.30	2,675.0	188,052.5
Freep't-McMoRan C&G	3,537.0	220.0	3.11%	3,958.7	-	-	36.54	945.0	34,530.3
Teck Resources Ltd. 'B'	4,700.0	280.0	2.98%	5,108.7	-	-	35.21	590.6	20,795.0
Uranium Energy Corp	-	-	-	-	-	-	2.97	73.4	218.0
Uranium Resources Inc	-	-	-	-	-	-	0.74	92.4	68.4
Total				34,459.5		30.3			257,206.2

CAPITAL STRUCTURE AT MARKET VALUE

Company Name	Percent Debt & Preferred Equity	Percent Common Equity
Alcoa Inc.	49.58%	50.42%
Allegheny Techn.	21.49%	78.51%
BHP Billiton Ltd. ADR	7.59%	92.41%
Freep't-McMoRan C&G	10.29%	89.71%
Teck Resources Ltd. 'B'	19.72%	80.28%
Uranium Energy Corp	-	100.00%
Uranium Resources Inc	-	100.00%
Mean	21.74%	84.47%
Weighted Mean	11.82%	88.18%

REMARKS

* Market Value of Debt: 5.25% (Corporate Baa)
** Market Value of Pref. Equity: 6.59% (Baa)