COMBINATION UTILITY PROXY GROUP

Market Rate of Return		
Dividend Yield (a)	2.3%	
Growth Rate (b)	10.5%	
Market Return (c)		12.8%
Less: Risk-Free Rate (d)		
Long-term Treasury Bond Yield		4.5%
Market Risk Premium (e)		8.3%
Utility Proxy Group Beta (f)		0.75
Utility Proxy Group Risk Premium (g)		6.2%
Plus: Risk-free Rate (d)		
Long-term Treasury Bond Yield		4.5%
Unadjusted CAPM (h)		10.7%
Size Adjustment (i)		0.81%
Implied Cost of Equity (j)		11.5%

- (a) Weighted average dividend yield for the dividend paying firms in the S&P 500 from www.valueline.com (retrieved Jan. 28, 2011).
- (b) Weighted average of IBES earnings growth rates for the dividend paying firms in the S&P 500 (retrieved Feb. 23, 2011).
- (c) (a) + (b)
- (d) Average yield on 30-year Treasury bonds for March 2011 from the Federal Reserve Board at http://www.federalreserve.gov/releases/h15/data/Monthly/H15_TCMNOM_Y20.txt.
- (e) (c) (d).
- (f) www.valueline.com (retrieved Apr. 20, 2011).
- (g) (e) x (f).
- (h) (d) + (g).
- (i) Morningstar, "Ibbotson SBBI 2011 Valuation Yearbook," at Table C-1 (2011).
- (j) (h) + (i).

CAPITAL ASSET PRICING MODEL

GAS UTILITY PROXY GROUP

Market Rate of Return		
Dividend Yield (a)	2.3%	
Growth Rate (b)	10.5%	
Market Return (c)		12.8%
Less: Risk-Free Rate (d)		4.50/
Long-term Treasury Bond Yield		4.5%
Market Risk Premium (e)		8.3%
Utility Proxy Group Beta (f)		0.68
Utility Proxy Group Risk Premium (g)		5.7%
Plus: Risk-free Rate (d)		
Long-term Treasury Bond Yield		4.5%
Unadjusted CAPM (h)		10.2%
Size Adjustment (i)		1.81%
Implied Cost of Equity (j)		12.0%

- (a) Weighted average dividend yield for the dividend paying firms in the S&P 500 from www.valueline.com (retrieved Jan. 28, 2011).
- (b) Weighted average of IBES earnings growth rates for the dividend paying firms in the S&P 500 (retrieved Feb. 23, 2011).
- (c) (a) + (b)
- (d) Average yield on 30-year Treasury bonds for March 2011 from the Federal Reserve Board at http://www.federalreserve.gov/releases/h15/data/Monthly/H15_TCMNOM_Y20.txt.
- (e) (c) (d).
- (f) www.valueline.com (retrieved Apr. 20, 2011).
- (g) (e) x (f).
- (h) (d) + (g).
- (i) Morningstar, "Ibbotson SBBI 2011 Valuation Yearbook," at Table C-1 (2011).
- (j) (h) + (i).

NON-UTILITY PROXY GROUP

Market Rate of Return		
Dividend Yield (a)	2.3%	
Growth Rate (b)	10.5%	
Market Return (c)		12.8%
Less: Risk-Free Rate (d)		
Long-term Treasury Bond Yield		4.5%
Market Risk Premium (e)		8.3%
Non-Utility Proxy Group Beta (f)		0.71
Utility Proxy Group Risk Premium (g)		5.9%
Plus: Risk-free Rate (d)		
Long-term Treasury Bond Yield		4.5%
Unadjusted CAPM (h)		10.4%
Size Adjustment (i)		-0.38%
Implied Cost of Equity (j)		10.0%

- (a) Weighted average dividend yield for the dividend paying firms in the S&P 500 from www.valueline.com (retrieved Jan. 28, 2011).
- (b) Weighted average of IBES earnings growth rates for the dividend paying firms in the S&P 500 (retrieved Feb. 23, 2011).
- (c) (a) + (b)
- (d) Average yield on 30-year Treasury bonds for March 2011 from the Federal Reserve Board at http://www.federalreserve.gov/releases/h15/data/Monthly/H15_TCMNOM_Y20.txt.
- (e) (c) (d).
- (f) www.valueline.com (retrieved Jan. 28, 2011).
- (g) (e) x (f).
- (h) (d) + (g).
- (i) Morningstar, "Ibbotson SBBI 2011 Valuation Yearbook," at Table C-1 (2011).
- (j) (h) + (i).