1	Q.	McShane Evidence - Use of market versus Book values, page 54-56		
2 3 4 5 6 7 8		a. Ms con ean RC tha ley	S. McShane specifically states (page 55) that the allowed ROE should be nverted from a market value to a higher book value such that the stream of rnings is maintained. Please confirm that this means that if the allowed DE is not reduced due to regulatory lag and the stock price rises to reflect at, then she would not reduce the allowed ROE to a fair and reasonable rel. If not why not	
8 9 10 11 12		b. Ple sin sto	ease confirm that Boards have rejected Ms. McShane's assumptions in a) ce they amount to "rubberstamping unrealistic expectations" that is if the ck price is bid up due to unrealistic expectations it is not the job of the substance to support that higher price	
12 13 14		c. Ple dec	ease confirm the following quotes from the Alberta EUB in its TransAlta cision (U99099, page 303)	
15 16 17 18 19 20 21 22 23 24 25 26 27		"Ir ori res rat ref ret uti gov oth nec uti	n essence, a regulated company's earnings are driven by the portion of the ginal cost rate base deemed to be financed by common equity. This fact bults in a fundamental disconnect to the theory that market capitalization ios, which have deviated significantly from book capitalization ratios, lect the appropriate financial risk necessary to determine a fair composite urn to be applied to the original cost rate base of a pure play regulated lity. This is because the earnings of a pure play regulated utility are verned by and driven by the regulated return allowed on book equity. In her words, it is the book equity that reflects the appropriate financial risk cessary to determine a fair composite return for a pure play regulated lity."	
28 29 30 31		"T ma caj firi	he Board would be derelict in its statutory responsibilities to recognize orket capitalization ratios that are derived from a market value pitalization that deviates from the intrinsic long-run value of the regulated m."	
33 34 35 36		Ple val wo adv	ease indicate whether Ms. McShane agrees with the AEUB that market lues have no place in regulation and that the Board of Commissioners ould be similarly derelict in exercising its responsibilities and following her vice by making the suggested conversion from market to book values.	
37 38 39 40 41		d. Ple ind reg RC	ease provide any references to published academic journals or books that licate that market to book ratios above 1.0 for a 100% rate of return gulated utility on historic cost regulation does not indicate the allowed DE is too high.	
42 43 44 45		e. Ple alle adj ret	ease confirm that if regulation mimics competition and the utility is owed to increase its rate base to replacement cost or to a price level justment, due to inflationary and other increases, then the correct rate of ourn to apply to the rate base is not the nominal rate but the real rate.	

1 Otherwise the shareholder is compensated for inflation through both the 2 return and the base it is applied to. If not please explain in detail why not and 3 provide references to the literature that addressed this question in the 1970's 4 when inflation was a serious problem. 5 6 A. a. It should be clear from Ms. McShane's testimony and recommended ROEs that is 7 not the case. Ms. McShane's testimony does not state that "the allowed ROE 8 should be converted from a market value to a higher book value such that the stream of earnings is maintained." Ms. McShane's testimony states that "When 9 the allowed return is applied to an original cost book value, a market-derived cost 10 of attracting capital should be converted to a fair and reasonable return on book 11 equity so that the stream of dollar earnings on book value equates to the investors' 12 13 dollar return requirements on market value." [emphasis added] Further, while the market to book ratios of the utilities used to estimate the cost of equity are, as 14 noted at lines 1379 to 1381), in the range of 1.7 to 2.6 times, Ms. McShane's 15 16 recommended ROE is consistent with a market to book ratio in the range of 1.15 17 to 1.20 times. 18 19 b. Ms. McShane cannot confirm. She does not know to what assumptions the 20 question refers, nor is she aware of any decision that has referred to "rubberstamping unrealistic investor expectations". She agrees that it is not the 21 22 job of regulators to support utility stock prices, even if they had the ability to 23 control stock prices, which they do not. However, the question's premise, i.e., unrealistic investor expectations, suggests that investors (including sophisticated 24 25 institutional investors) either do not understand regulation or are irrational. The 26 latter implies that investors are willing to pay a price for utility shares well above book value in the expectation that they will incur significant capital losses, an 27 implication which defies logic. 28 29 30 The cited quotes are found on pages 301 and 303, respectively. c. 31 32 Ms. McShane does not agree with the statements. When the market/book ratios of the proxy utilities used to estimate the cost of equity are above 1.0, the 33 34 application of the market-derived cost of equity to the book value of equity would 35 necessarily have to be increased to provide a stream of earnings on book value that equates to the investors' dollar return requirements on market value unless 36 the book value equity ratio of the specific utility in question is higher than the 37 38 market value equity ratios of the otherwise similar risk proxy utilities. 39 40 As for being derelict in its statutory duties, the PUB's responsibility is to provide 41 utilities subject to its jurisdiction with the opportunity to earn a fair rate of return. As the Alberta Utilities Commission stated at page 28 of its 2009 Generic Cost of 42 Capital Decision (2009-216): 43

1		"After review and consideration of the legislation and the evidence, legal
2		argument and case law referred to in this proceeding, the Commission
3		reiterates its agreement that there are three criteria or factors to be
1		amployed in determining a fair rate of return. Each criterion or factor
4		employed in determining a rai rate of feturi. Each enterior of factor
5		must be applied by the Commission when determining a fair return, but
6		what constitutes a fair return (including capital structure) is a matter of
7		judgment for the Commission, exercised after weighing all of the evidence
8		and argument in the context of the facts observed in the marketplace."
9		
10		Further, the Alberta Utilities Commission stated at paragraph 107 of the same
11		decision.
12		decision.
12		
13		The Commission notes with approval the following description by the
14		ATCO Utilities of how the three factors or criteria of the fairness standard
15		are assessed:
16		
17		In the ATCO Utilities' view, the assertion that the three-part test is "simply
18		three ways of looking at the same thing" fails to recognize the critical fact
19		that there are differing tests which help to "triangulate" a Fair Return
20		Each may have greater or lesser relevance depending upon the economic
20		landscape upon which the tests are conducted. The frailty of reliance on
21		and scape upon which the tests are conducted. The manty of remained on
22		only a single leg of the three legged stool for stability and remainity of the
23		result over changing economic conditions should be obvious."
24		
25		The approaches that regulators take, or their philosophical approaches, to the cost
26		of capital, are not static. It is of note that, prior to Decision RH-1-2008 for TQM
27		(March 2009), which adopted an ATWACC approach that uses market value
28		capital structure weights to set the cost of capital, the NEB had historically relied
29		on what it referred to as the "traditional approach" The "traditional approach"
30		i.e. one which establishes a market derived cost of equity and applies it (inclusive
21		of a small financing flavibility or flatation cost adjustment) to the book value of
20		of a small inflation previously of notation cost aujustifient) to the book value of
32 22		equity, effectively presumes that the long-run value of the regulated firm is equal
33		to book value. In Decision RH-1-2008, the NEB took a different approach, which
34		"is more aligned with the way capital budgeting decision making takes place in
35		the business world as compared to an approach by component that would include
36		a stand-alone cost of equity estimate," which "better utilizes financial market
37		information," and which "enables better comparisons of return on capital for
38		companies of similar risk." (pages 18 and 19)
39		(puges to und 1)
40	d	This is a tonic in which academic interest would be limited with the debate on the
+∪ //1	u.	subject focused in regulatory proceedings such as this one, rather than academic
+1 40		subject focused in regulatory proceedings such as this one, rather than academic
42		journais. Dr. Koger Morin, New Regulatory Finance, Public Utility Reports, Inc.,
43		2006, Chapter 12, Market-Book and Q-Ratios (pages 359-378), explains why
44		market-to-book ratios of utilities should be expected to exceed 1.0, including the
45		following:

1 2 3 4 5 6 7 8		"Fourth, in an inflationary period, the replacement cost of a firm's assets will increase more rapidly than its book equity. To avoid the resulting economic confiscation of shareholders' investment in real terms, the allowed rate of return should produce an M/B ratio that exceeds 1.0, as the subsequent section on Q-ratios will demonstrate. It would be difficult for utilities to attract capital in an environment where industrials command M/B ratios well above 1.0 while utilities are contemplating a reduction of their stock price toward book value at the next rate case. That is not a
9 10		realistic view of regulation."
10 11 12		Dr. Morin cites the following articles in his text which support this proposition:
12		Dr. Forrest Harlow, "Efficient Market Perspectives on Utility Rate of
14		Return Adequacy", Public Utilities Fortnightly, March 29, 1984, pages
15		38-40; and "Q-Ratios and the Target Return on Equity for Utilities",
16		Public Utilities Fortnightly, April 12, 1984, pages 29-31.
17		
18		Dr. Robert H. Litzenberger, "Determination of a Target Market to Book
19		Value Ratio for a Public Utility in an Inflationary Environment", in
20		Proceedings: Iowa State University, Regulatory Conference on Public
21		Utility Value and the Rate-Making Process, 1980.
22		
23	e.	If a replacement cost rate base, rather than a historical cost rate base were to be
24		used, then theoretically, yes, the rate of return applied should be a real rate of
25		return. Mis. McShane is not recommending a replacement cost rate base. Rather,
20 27		equilibrium market_to_book ratio for utilities above 1.0
<i>2</i>		