1	Q.	Please confirm that in the historic market risk premium estimates on page 45 Mr.		
2		Co	Coyne now uses the "income" return or yield rather than the actual return of income plus capital gain or loss for the bond returns.	
3		inc		
4				
5		a)	Please provide the market risk premium estimate for both the US and Canada	
6			based on the standard methodology of total equity minus total bond total	
7			returns.	
8		• `		
9		b)	Please indicate when Mr. Coyne started using the income (yield) return in the	
10			historic market risk premium estimates rather than the standard total return for	
11			bonds.	
12				
13		C)	Please provide any references to the academic literature that calculate the	
14			market risk premium in the same way that Mr. Coyne does.	
15	٨	c)	Mr. Course has used the "standard methodology" to compute the historical market risk	
10	А.	a)	promium Duff & Phalos, which is the provider of this appual return data, reports the	
10			bistorical market rick premium as the difference between the return on large company	
10			stocks and the income only raturn on long term government bonds. This results in a	
19 20			stocks and the income-only return on long-term government bonds. This results in a	
20 21			LLS hased on Duff & Dhalps' return data through 2020	
$\frac{21}{22}$			0.5., based on Dun & Fneips Tetum data through 2020.	
22		b)	Mr. Covne has consistently used the historical market risk premium reported by Duff	
$\frac{23}{24}$		0)	& Phelps (and the previous publishers of this annual return data – Morningstar and	
2 4 25			\mathbf{L} The provides publishers of this annual return data – worningstar and \mathbf{L}	
25 26			indicated above the historical market risk premium reported by Duff & Phelps is	
20 27			based on the income-only return on government bonds, not the total return	
28			bused on the meanie only retain on government bonds, not the total retain.	
29		c)	The market return data used to calculate the historical market risk premium was	
30		0)	developed and first published by Dr. Roger Ibbotson. He received his bachelor's	
31			degree in mathematics from Purdue University his MBA from Indiana University	
32			and his PhD from the University of Chicago, where he taught for 13 years and served	
33			as executive director of the Center for Research in Security Prices. He is currently	
34			Professor in the Practice Emeritus of Finance at the Yale School of Management. He	
35			is also chairman of Zebra Capital Management LLC. He has written extensively on	
36			capital market returns, cost of capital, and international investment. He is the	
37			founder, advisor, and former chairman of Ibbotson Associates, now a Morningstar	
38			Company. He has written numerous books and articles including <i>Stocks</i> . <i>Bonds</i> .	
39			Bills, and Inflation with Rex Sinquefield, which serves as a standard reference for	
40			information and capital market returns.	