

## **COST OF CAPITAL STUDY**

### **YIELD CAPITALIZATION** 2019 Assessment Year

APPENDIX C

## **Pipeline Industry**

14 ! ! 12 12	0.35% 0.00% NMF NMF 0.00% 0.00%		RANGE	10.00-14.00% <b>5.50%</b>	PAGE 4 5 6 7 5a 6a 8
14 ! ! 12 12	2.00% NMF NMF 2.00%		RANGE		5 6 7 5a 6a
12 12	NMF NMF 2.00% 2.50%		RANGE		6 7 5a 6a
12 12	NMF NMF 2.00% 2.50%		RANGE		6 7 5a 6a
12 12	NMF 2.00% 2.50%		RANGE		7 5a 6a
12 12	2.00%		RANGE		5a 6a
12	2.50%		RANGE		6a
12	2.50%		RANGE		6a
			RANGE		
10	0.00%		RANGE		8
			RANGE		
				F F00/	
				5.50%	9
12	2.00%	=		6.60%	3
5.	.50%	=	2.48%		3
= (1	24)	x	2.48%	<u>1.88%</u>	
>	x 5	x 5.50%	x 5.50% =	x 5.50% = 2.48%	x 5.50% = 2.48%

### **SUPPORT FOR GUIDELINE COMPANIES**

Washington State Department of Revenue

2019 Assessment Year

Pipeline Industry

Capital Structure at Book Value

Company	Ticker	Beta	Fin'l Strength	P/E Ratio	Div'd Yield	Common Stock	%	Preferred Stock	%	Long Term Debt	%	Total Debt & Equity
Cheniere Energy Inc	Ing	1.40	В	30.0	0.0%	976,163,258	3.4%			27,400,000,000	96.6%	28,376,163,258
Enbridge Inc	enb.to	1.05	B++	17.9	6.3%	61,751,735,612	47.6%	7,747,000,000	6.0%	60,327,000,000	46.5%	129,825,735,612
Kinder Morgan Inc	kmi	1.40	В	29.0	4.7%	33,705,844,079	49.9%			33,900,000,000	50.1%	67,605,844,079
ONEOK Inc	oke	1.55	B+	26.5	6.0%	6,787,464,371	44.9%			8,325,700,000	55.1%	15,113,164,371
Pembina Pipeline Corp	ppl.to	1.10	B++	20.0	5.5%	11,961,500,000	55.8%	2,423,000,000	11.3%	7,057,000,000	32.9%	21,441,500,000
Phillips 66 Ptnrs LP	psxp	1.05	B++	12.8	7.0%	2,086,218,821	41.7%			2,922,000,000	58.3%	5,008,218,821
TransCanada Corp	trp	1.10	B++	13.8	5.6%	22,307,400,000	43.3%	2,865,600,000	5.6%	26,286,500,000	51.1%	51,459,500,000
The Williams Cos Inc	wmb	1.95	B+	34.7	6.2%	14,647,558,575	40.6%			21,409,000,000	59.4%	36,056,558,575
Mean		1.33		23.1	5.2%	19,277,985,590	40.9%		7.6%	23,453,400,000	56.2%	
Harmonic Mean		1.27					18.0%		6.9%		52.0%	
Weighted Mean						154,223,884,716	43.5%	13,035,600,000	3.7%	187,627,200,000	52.9%	354,886,684,716
Median		1.25			5.8%		44.1%		6.0%		53.1%	

## **SUPPORT FOR CAPITAL STRUCTURE Market Value**

Washington State Department of Revenue

2019 Assessment Year

Pipeline Industry

Company	Ticker	Stock Price	Common Shares	Common Stock	%	Preferred Stock	%	Long Term Debt	%	Total Debt & Equity
Cheniere Energy Inc	Ing	59.190	256,885,068	15,205,027,175	34.2%	-		29,291,000,000	65.8%	44,496,027,175
Enbridge Inc	enb.to	42.410	2,022,657,570	85,780,907,544	60.9%	7,747,000,000	5.5%	47,384,000,000	33.6%	140,911,907,544
Kinder Morgan Inc	kmi	15.380	2,263,656,419	34,815,035,724	48.7%	-		36,647,000,000	51.3%	71,462,035,724
ONEOK Inc	oke	53.950	411,361,477	22,192,951,684	69.8%	-		9,600,000,000	30.2%	31,792,951,684
Pembina Pipeline Co	ppl.to	40.510	509,000,000	20,619,590,000	72.0%	2,423,000,000	8.5%	5,583,000,000	19.5%	28,625,590,000
Phillips 66 Ptnrs LP	psxp	42.110	123,811,206	5,213,689,885	64.6%	-		2,860,000,000	35.4%	8,073,689,885
TransCanada Corp	trp	35.700	918,000,000	32,772,600,000	45.7%	2,865,600,000	4.0%	36,016,000,000	50.3%	71,654,200,000
The Williams Cos Inc	wmb	22.050	1,210,542,031	26,692,451,784	53.4%	-		23,330,000,000	46.6%	50,022,451,784
			Mean		56.2%		6.0%		41.6%	
			<b>Harmonic Mean</b>		53.2%		5.5%		36.6%	
			<b>Weighted Mean</b>	243,292,253,795	54.4%	13,035,600,000	2.9%	190,711,000,000	42.7%	447,038,853,795
•			Median		<b>57.1%</b>		5.5%		41.0%	
			Std Dev		13.0%		2.3%		14.6%	
		Coeffi	cient of Variation		23.2%		38.0%		35.2%	
			Target		55%				45%	100%

# SUPPORT FOR YIELD CAPITALIZATION EQUITY COMPONENT CAPITAL ASSET PRICING MODEL

2019 Assessment Year

#### Ex Ante

Ke = Rf + B (Rp)

			Re = ni +	D (IIP)		
Ke =	Cost of Equity	1				10.35%
						to page 1
		Rm =	rate of return	8.65%		
		Rf =	risk free rate	3.00%		
		Rp =	risk premium	5.65%		
		B =	Beta	1.30		page 7
Rp =	Risk Premium					5.65%
						to above
	Shannon Pratt a	•			3.50% - 6.00%	
			pital, App and Exam, 5th Ed, 20	)14		
	Dr. Aswath Dam				5.96%	chart page 15
			s.stern.nyu.edu/~adamodar/ ed Premium		5.65%	adjusted for Rf
	John Graham &	Campbell Harv	/ey		6.21%	10 year expected real ret
		Duke CFC	) magazine Global Business	Outlook	5.89%-6.54%	95% Interval 10 year exp
		4th Qtr 20	18		6.27%	adjusted for Rf
					3.06%	Rf rate used in survey
Rf =	Risk Free Rate	<b>.</b>				3.00%
						to above
	Value Line Inves	stment Survey.	Selected Yields January 4, 2	019. page 1949		
	as of 12-26-18	•	ry Securities year end data	o io, pago io io		
			5 year		2.65%	
			10 yea	r	2.81%	
			30 yea		3.06%	
			30 yea		3.10%	
				r	2.69% 2.87% 3.02% <u>1.09%</u> 1.21%	1.78% 1.81%
						TIPS inflation indication
Inflati	on					2.00%
	Value I ine Inves	stment Survey	Economic Series January 4,	2019 nage 1500		to appraisal template
	value Line inves		Price Index Annual Rate of Cha		2.30%	
	The Livingsto	n Survey De	cember 21, 2018, page 4	. 10		
	ine ziringote	-	edian (measured by the CPI) ov	•	2.23%	
Gross	Domestic Prod	uct (GDP) No	minal			3.90%
						real GDP + inflation es
	rederal Reser	-	I Long Run Real GDP Gro Djection Value From Dec 19, 20			1.90%
			w.federalreserve.gov/mone	•	mcprojtabl20181	
	Congressions	l Rudgat Off	ice Real GDP Economic P	rojections		Table D-1 ng 140
	Congressiona		et and Economic Outlook 2019-		2010 2022	Table D-1 pg 140 2.18%
					2019-2023	
			ercentage Change Year to Yea w.cbo.gov/publication/54918	I	2024-2029	1.73%
	Fadam I D	D!	NE!!- d-l-L!-			
	Federal Reser		-	0 1 10		
			ston Survey, December 21, 201			0.070/
			nnual Real GDP Growth Rate for		(1):	2.07%
		https://www	.philadelphiafed.org/research-and	<u>ı-aata/real-time-cente</u>	er/livingston-survey	

Washington State Department of Revenue 2019 Assessment Year Pipeline Industry

#### **Based on Dividend Growth**

Ke = (D1 / Po) + G

Ke = D1 = Cost of Equity Expected Dividends Po = Current Price Sustainable Growth

Company	Ticker	Stock Price (Po)	Expected Dividend (D1)	Dividend Yield (D1/Po)	Dividend Growth (G)	Ke with Short Term Growth	
Cheniere Energy Inc	Ing	59.190	NIL	NMF	NIL	NMF	
Enbridge Inc	enb.to	42.410	2.95	6.96%	4.50%	11.46%	
Kinder Morgan Inc	kmi	15.380	0.95	6.18%	17.50%	23.68%	
ONEOK Inc	oke	53.950	3.60	6.67%	10.00%	16.67%	
Pembina Pipeline Corp	ppl.to	40.510	2.40	5.92%	6.50%	12.42%	
Phillips 66 Ptnrs LP	psxp	42.110	3.50	8.31%	18.50%	26.81%	
TransCanada Corp	trp	35.700	2.16	6.05%	10.00%	16.05%	
The Williams Cos Inc	wmb	22.050	1.52	6.89%	1.50%	8.39%	
Mean Range Harmonic Mean Range Median Range Max Min Std Dev Range Coefficient of Variation							
					Say	14.00%	

Washington State Department of Revenue 2019 Assessment Year Pipeline Industry

#### **Based on Dividend Growth**

Ke = (D1 / Po) + G

Ke = Cost of Equity
D1 = Expected Dividends
Po = Current Price

= Sustainable Growth Max % Above Economic Growth

2%

Company	Ticker	Stock Price (Po)	Expected Dividend (D1)	Dividend Yield (D1/Po)	Dividend Growth (G)	Dividend Growth LT	Ke Sustainable
Cheniere Energy Inc	Ing	59.19	NIL	NMF	NIL	5.90%	NMF
Enbridge Inc	enb.to	42.41	2.95	6.96%	4.50%	4.50%	11.46%
Kinder Morgan Inc	kmi	15.38	0.95	6.18%	17.50%	5.90%	12.08%
ONEOK Inc	oke	53.95	3.60	6.67%	10.00%	5.90%	12.57%
Pembina Pipeline Corp	ppl.to	40.51	2.40	5.92%	6.50%	5.90%	11.82%
Phillips 66 Ptnrs LP	psxp	42.11	3.50	8.31%	18.50%	5.90%	14.21%
TransCanada Corp	trp	35.70	2.16	6.05%	10.00%	5.90%	11.95%
The Williams Cos Inc	wmb	22.05	1.52	6.89%	1.50%	1.50%	8.39%
	•				Mean Range		11.78%
				Harn	nonic Mean Range		11.52%
					Median Range		11.95%
					Max		14.21%
					Min		8.39%
					Std Dev Range		1.74%
				Coeff	icient of Variation		14.79%

Say 12.00%

Washington State Department of Revenue 2019 Assessment Year Pipeline Industry

#### **Based on Earnings Growth**

Ke = (D1 / Po) + G

 $\begin{array}{lll} \mbox{Ke} & = & \mbox{Cost of Equity} \\ \mbox{D1} & = & \mbox{Expected Dividends} \\ \mbox{Po} & = & \mbox{Current Price} \\ \mbox{G} & = & \mbox{Sustainable Growth} \\ \end{array}$ 

Company	Ticker	Stock Price (Po)	Expected Dividend (D1)	Dividend Yield (D1/Po)	Earnings Growth (G)	Ke with Short Term Growth
Cheniere Energy Inc	Ing	59.190	NIL	#VALUE!	NMF	NMF
Enbridge Inc	enb.to	42.410	2.95	6.96%	6.50%	13.46%
Kinder Morgan Inc	kmi	15.380	0.95	6.18%	34.50%	NMF
ONEOK Inc	oke	53.950	3.60	6.67%	18.50%	25.17%
Pembina Pipeline Corp	ppl.to	40.510	2.40	5.92%	15.00%	20.92%
Phillips 66 Ptnrs LP	psxp	42.110	3.50	8.31%	17.50%	25.81%
TransCanada Corp	trp	35.700	2.16	6.05%	47.50%	NMF
The Williams Cos Inc	wmb	22.050	1.52	6.89%	19.00%	25.89%
					Mean Range	22.25%
				Harmoni	c Mean Range	20.90%
				I	Median Range	25.17%
					Max	25.89%
					Min	13.46%
					Std Dev	5.33%
				Coefficier	nt of Variation	23.95%

Say NMF

Washington State Department of Revenue 2019 Assessment Year Pipeline Industry

#### **Based on Dividend Growth**

Ke = (D1 / Po) + G

 $\begin{array}{lll} \mbox{Ke} & = & \mbox{Cost of Equity} \\ \mbox{D1} & = & \mbox{Expected Dividends} \\ \mbox{Po} & = & \mbox{Current Price} \\ \mbox{G} & = & \mbox{Sustainable Growth} \\ \end{array}$ 

e Growth Max % Above Economic Growth

Company	Ticker	Stock Price (Po)	Expected Dividend (D1)	Dividend Yield (D1/Po)	Earnings Growth (G)	Dividend Growth LT	Ke Sustainable	
Cheniere Energy Inc	Ing	59.19	NIL	#VALUE!	NMF	5.90%	NMF	
Enbridge Inc	enb.to	42.41	2.95	6.96%	6.50%	5.90%	12.86%	
Kinder Morgan Inc	kmi	15.38	0.95	6.18%	34.50%	5.90%	12.08%	
ONEOK Inc	oke	53.95	3.60	6.67%	18.50%	5.90%	12.57%	
Pembina Pipeline Corp	ppl.to	40.51	2.40	5.92%	15.00%	5.90%	11.82%	
Phillips 66 Ptnrs LP	psxp	42.11	3.50	8.31%	17.50%	5.90%	14.21%	
TransCanada Corp	trp	35.70	2.16	6.05%	47.50%	5.90%	11.95%	
The Williams Cos Inc	wmb	22.05	1.52	6.89%	19.00%	5.90%	12.79%	
Mean Range Harmonic Mean Range Median Range Max Min Std Dev Range Coefficient of Variation								
L					Say		12.50%	

6a

Washington State Department of Revenue

2019 Assessment Year

Pipeline Industry

Based on Return on Equity Ke = (D1 / Po) + G

**Ke =** Cost of Equity

D1 = Expected Dividends
E1 = Expected Earnings

**Po** = Current Price

**G** = Sustainable Growth

**b** = Retained Earnings % = (1 - Payout Ratio)

**ROE** = Return on Equity = (E1 / Po)

Company	Ticker	Stock Price (Po)	Expected Dividend (D1)	Expected Earnings (E1)	Dividend Yield (D1/Po)	Retained Earnings (b)	ROE (E1/Po)	Growth (b*ROE)	K <sub>e</sub> Dividends	K <sub>e</sub> Earnings
Cheniere Energy Inc	Ing	59.190	NIL	2.50	NMF		4.22%			
Enbridge Inc	enb.to	42.410	2.95	2.75	6.96%	-26.0%	6.48%	-1.69%	5.27%	4.80%
Kinder Morgan Inc	kmi	15.380	0.95	0.90	6.18%	-10.0%	5.85%	-0.59%	5.59%	5.27%
ONEOK Inc	oke	53.950	3.60	3.05	6.67%	NMF	5.65%	NMF	NMF	NMF
Pembina Pipeline Corp	ppl.to	40.510	2.40	2.60	5.92%	2.0%	6.42%	0.13%	6.05%	6.55%
Phillips 66 Ptnrs LP	psxp	42.110	3.50	4.35	8.31%	55.0%	10.33%	5.68%	13.99%	16.01%
TransCanada Corp	trp	35.700	2.16	3.05	6.05%	25.0%	8.54%	2.14%	8.19%	10.68%
The Williams Cos Inc	wmb	22.050	1.52	0.90	6.89%	NMF	4.08%	NMF	NMF	NMF
								Mean	7.82%	8.66%
							На	rmonic Mean	6.87%	7.07%
								Median	6.05%	6.55%
								Std Dev	3.63%	4.72%
							Coefficien	t of Variation	46.48%	54.47%

say NMF

# SUPPORT FOR YIELD CAPITALIZATION EQUITY COMPONENT FREE CASH FLOW TO EQUITY MODEL MULTI STAGE

Washington State Department of Revenue 2019 Assessment Year Pipeline Industry

Company	Ticker	Stock Price	Expected Earnings	P/E	Payout Ratio	ROE	Ke
Cheniere Energy Inc	Ing	59.19	2.50	23.68	NIL	36.00%	NMF
Enbridge Inc	enb.to	42.41	2.75	15.42	133.00%	7.00%	8.23%
Kinder Morgan Inc	kmi	15.38	0.90	17.09	106.00%	5.50%	10.17%
ONEOK Inc	oke	53.95	3.05	17.69	NMF	18.00%	8.57%
Pembina Pipeline Corp	ppl.to	40.51	2.60	15.58	92.00%	8.50%	8.75%
Phillips 66 Ptnrs LP	psxp	42.11	4.35	9.68	80.00%	34.50%	15.24%
TransCanada Corp	trp	35.70	3.05	11.70	71.00%	13.50%	12.55%
The Williams Cos Inc	wmb	22.05	0.90	24.50	NMF	7.50%	7.35%
М	ean			16.92	96.40%	16.31%	10.12%
Harmonic M	ean			15.51	91.90%	10.50%	9.56%
Med	dian			16.33	92.00%	11.00%	8.75%
Industry Summa	ary			16.00	92.00%	11.00%	

Say 10.00%

### SUPPORT FOR DEBT RATING AND DEBT YIEL

Washington State Department of Revenue 2019 Assessment Year Pipeline Industry

Company	Ticker	Mergent's Ratings	S&P Ratings
Cheniere Energy Inc	Ing		BBB-
Enbridge Inc	enb.to	Baa2	BBB+
Kinder Morgan Inc	kmi	Baa2	BBB
ONEOK Inc	oke	Baa3	BBB
Pembina Pipeline Corp	ppl.to		BBB
Phillips 66 Ptnrs LP	psxp	Baa3	BBB
TransCanada Corp	trp	Baa2	BBB+
The Williams Cos Inc	wmb	Baa3	BBB
Overall Average Debt I	Rating	Baa2	BBB

Mergent's Bond Record January 2018, page 249									
Corporate	Aaa	Aa	Α	Baa					
October	4.14%	4.28%	4.46%	5.07%					
November	4.22%	4.37%	4.53%	5.22%					
December	4.02%	4.20%	4.37%	5.13%					
4th Qtr Average	4.13%	4.28%	4.45%	5.14%					

<b>Public Utilities</b>	Aaa	Aa	Α	Baa
October		4.31%	4.45%	4.91%
November		4.40%	4.52%	5.03%
December		4.24%	4.37%	4.92%
4th Qtr Average		4.32%	4.45%	4.95%

Industrials	Aaa	Aa	Α	Baa
October	4.14%	4.24%	4.45%	5.22%
November	4.22%	4.34%	4.53%	5.42%
December	4.02%	4.16%	4.36%	5.34%
4th Qtr Average	4.13%	4.25%	4.45%	5.33%

		Avg YTM	Med YTM
Moody's Long Term Bond Yield	Baa2	5.40%	5.38%
S&P's Long Term Bond Yield	BBB	5.60%	5.57%

Bloomberg Dec 2018	20y	25Y	30Y	
BBB	5.00%	5.53%	5.65%	

Debt Yield Rate	5.50%

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## SUPPORT FOR DIRECT CAPITALIZATION EQUITY COMPONENT

2019 Assessment Year Pipeline Industry

			2018		20	019	20	018	2019	
Company Ticker		Ticker Stock Price		Actual Earnings Ratio (EPS/P)		ected gs Ratio PS/P)		ow Ratio F/P)	Projected Cash Flow Ratio	
Cheniere Energy Inc	Ing	59.190	2.00	3.4%	2.50	4.2%	3.80	6.4%	4.95	8.4%
Enbridge Inc	enb.to	42.410	2.65	6.2%	2.75	6.5%	3.70	8.7%	4.05	9.5%
Kinder Morgan Inc	kmi	15.380	0.66	4.3%	0.90	5.9%	1.66	10.8%	2.05	13.3%
ONEOK Inc	oke	53.950	2.80	5.2%	3.05	5.7%	3.80	7.0%	4.15	7.7%
Pembina Pipeline Corp	ppl.to	40.510	2.28	5.6%	2.60	6.4%	3.10	7.7%	3.45	8.5%
Phillips 66 Ptnrs LP	psxp	42.110	4.00	9.5%	4.35	10.3%	7.30	17.3%	4.95	11.8%
TransCanada Corp	trp	35.700	2.81	7.9%	3.05	8.5%	4.60	12.9%	4.85	13.6%
The Williams Cos Inc	wmb	22.050	0.79	3.6%	0.90	4.1%	2.00	9.1%	2.55	11.6%
		Mean		5.7%		6.4%		10.0%		10.5%
	Harmo	nic Mean		5.1%		5.9%		9.1%		10.1%
		Median		5.4%		6.1%		8.9%		10.6%
		Max		9.5%		10.3%		17.3%		13.6%
		Min		3.4%		4.1%		6.4%		7.7%
	Std Dev			2.1%		2.1%		3.6%		2.3%
Coefficient of Variation				37.2%		32.6%		36.4%		22.0%
Say				5.5%		6.0%		9.0%		10.5%

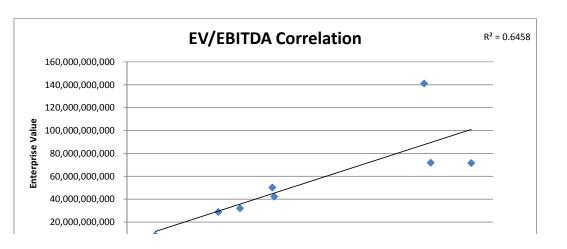
Source: VL/Year End Stock Price

### SUPPORT FOR DIRECT CAPITALIZATION EQUITY COMPONENT

2019 Assessment Year

Company	Ticker	Stock Price	Enterprise Value	EBITDA Historical	Annual Change VL	EBITDA Forecast	EV / EBITDA Forecast	Revenue Forecast	EV / Sales Forecast	Cashflow Forecast	Debt Service	EV / CF Forecast
Cheniere Energy Inc	Ing	59.190	42,004,027,175	2,473,000,000	30.26%	3,221,407,895	13.04	10,378,156,747	4.05	1,271,581,087	1,611,005,000	14.57
Enbridge Inc	enb.to	42.410	140,911,907,544	5,932,000,000	9.46%	6,493,135,135	21.70	49,453,977,587	2.85	8,191,763,159	2,606,120,000	13.05
Kinder Morgan Inc	kmi	15.380	71,462,035,724	6,091,000,000	23.49%	7,522,018,072	9.50	16,071,960,575	4.45	4,640,495,659	2,015,585,000	10.74
ONEOK Inc	oke	53.950	31,792,951,684	2,264,021,000	9.21%	2,472,549,250	12.86	13,965,722,144	2.28	1,707,150,130	528,000,000	14.22
Pembina Pipeline Corp	ppl.to	40.510	28,625,590,000	1,794,000,000	11.29%	1,996,548,387	14.34	8,627,550,000	3.32	1,756,050,000	307,065,000	13.87
Phillips 66 Ptnrs LP	psxp	42.110	8,073,689,885	917,000,000	-32.19%	621,801,370	12.98	1,436,209,990	5.62	612,865,470	157,300,000	10.48
TransCanada Corp	trp	35.700	71,654,200,000	6,296,000,000	5.43%	6,638,173,913	10.79	10,694,700,000	6.70	4,452,300,000	1,980,880,000	11.14
The Williams Cos Inc	wmb	22.050	50,022,451,784	2,493,000,000	27.50%	3,178,575,000	15.74	9,442,227,842	5.30	3,086,882,179	1,283,150,000	11.45
		Mean					13.87		4.32			12.44
	Harmo	nic Mean					13.14		3.85			12.25
		Median					13.01		4.25			12.25
		Std Dev					3.71		1.50			1.67
Source:		Say					11.50		4.00			12.25

Value Line & Morning Star



#### Forecast EV/EBITDA By Rank

Guideline Companies	DA forecast	
Kinder Morgan Inc	9.50	11.34 Low Harmonic mean
TransCanada Corp	10.79	11.53 Low Average
ONEOK Inc	12.86	11.83 Low Median
Phillips 66 Ptnrs LP	12.98	11.50 Say
Cheniere Energy Inc	13.04	16.20 High Average
Pembina Pipeline Corp	14.34	15.04 High Median
The Williams Cos Inc	15.74	15.62 High Harmonic mean
Enbridge Inc	21.70	15.50 Say

## SUPPORT FOR DIRECT CAPITALIZATION EQUITY COMPONENT

2019 Assessment Year Pipeline Industry

Company	Ticker	Stock Price	Revenues	Multiple	Cash Flow	Multiple	Earnings	Multiple	Book Value	Multiple
Cheniere Energy Inc	Ing	59.190	29.55	2.00	3.80	15.58	2.00	NMF	3.80	15.58
Enbridge Inc	enb.to	42.410	22.94	1.85	3.70	11.46	2.65	16.00	30.53	1.39
Kinder Morgan Inc	kmi	15.380	6.25	2.46	1.66	9.27	0.66	23.30	14.89	1.03
ONEOK Inc	oke	53.950	31.35	1.72	3.80	14.20	2.80	19.27	16.50	3.27
Pembina Pipeline Corp	ppl.to	40.510	14.45	2.80	3.10	13.07	2.28	17.77	23.50	1.72
Phillips 66 Ptnrs LP	psxp	42.110	11.90	3.54	7.30	5.77	4.00	10.53	16.85	2.50
TransCanada Corp	trp	35.700	10.73	3.33	4.60	7.76	2.81	12.70	24.30	1.47
The Williams Cos Inc	wmb	22.050	7.15	3.08	2.00	11.03	0.79	27.91	12.10	1.82
		Mean		2.60		11.02		18.21		3.60
	Harmo	nic Mean		2.43		10.01		16.54		1.87
Median				2.63		11.24		17.77		1.77
	3.54		15.58		27.91		15.58			
	1.72		5.77		10.53		1.03			
Say						10.50		17.00		1.80

Source: VL/Year End Stock Price