

Catherine A. McNamara Rates Analyst II, Rates & Regulatory Affairs O: 603-216-3537 E: Catherine.McNamara@libertyutilities.com

January 24, 2019

Via ERF and US Mail

Debra A. Howland Executive Director New Hampshire Public Utilities Commission 21 S. Fruit Street, Suite 10 Concord, NH 03301-2429

RE: DG 18-137 Liberty Utilities (EnergyNorth Natural Gas) Corp. d/b/a/ Liberty Utilities 2018/2019 Winter Period Cost of Gas – February 2019 Monthly COG Adjustment

Dear Ms. Howland:

On behalf of Liberty Utilities (EnergyNorth Natural Gas) Corp. (the "Company") and in accordance with New Hampshire Public Utilities Commission (the "Commission") Order No. 26,188 (November 01, 2018) in Docket DG 18-137, I enclose for filing the Company's (February) calculation of its projected collection of gas costs for the 2018/2019 winter season ending April 30, 2019.

The calculation reflects the estimated November 2018 through April 2019 NYMEX settled forward prices as of January 15, 2019. The resulting projected over collection of approximately \$3,789,303 is 6.74% of the total revised anticipated gas costs for the 2018/2019 winter season. Liberty elects to implement a rate decrease of \$0.0789 per therm for the February 1st billing cycle.

The current and revised cost of gas rates are summarized in the following table.

	Cost of Gas Rates					
	Current Rate	Revised Rate	Change	_		
Residential	\$0.7504	\$0.6715	(\$0.0789)			
Commercial/Industrial High Winter Use	\$0.7496	\$0.6707	(\$0.0789)			
Commercial/Industrial Low Winter Use	\$0.7549	\$0.6760	(\$0.0789)			

Please note this report has been filed via the Commission's Electronic Report Filing System.

Debra A. Howland DG 18-137 Page 2

Thank you for your attention to these matters. Please do not hesitate to call if you have any questions.

Sincerely,

Catherine A. McNamara

Enclosures

ENERGYNORTH NATURAL GAS, INC.

Calculation of the Projected Over or Under Collection of the 2018 - 2019 Winter Cost of Gas Filing DG 18-137

February 1, 2019

Under/(Over) Collection as of 1/1/19			\$	(1,781,830)
Forecasted firm Residential therm sales 2/1/19 - 4/30/19		29,536,751		
Residential Cost of Gas Rate per therm	\$	(0.7504)		
Forecasted firm C&I High Winter Use therm sales 2/1/19 - 4/30/19		15,783,531		
C&I- High Winter Use Cost of Gas Rate per therm	\$	(0.7496)		
Forecasted firm C&I Low Winter therm sales 2/1/19 - 4/30/19		2,706,414		
C&I- Low Winter Use Cost of Gas Rate per therm	\$	(0.7549)		
Forecasted firm Residential therm sales 1/19		11,256,284		
Residential Cost of Gas Rate per therm	\$	(0.7504)		
Forecasted firm C&I High Winter Use therm sales 1/19		5,981,900		
C&I- High Winter Use Cost of Gas Rate per therm	\$	(0.7496)		
Forecasted firm C&I Low Winter Use therm sales 1/19	-	1,084,797		
C&I- Low Winter Use Cost of Gas Rate per therm	•	(0.7549)		
Forecast recovered costs at current rate 1/1/19 - 4/30/19	Ψ	(0.7343)		(49,788,445)
Estimated FPO Premium 1/1/19 - 4/30/19				(47,543)
Revised projected gas costs 1/1/19 - 4/30/19				47,814,203
Estimated interest about a second (and itself) to excellence as 4/4/40 A/00/40				44.040
Estimated interest charged (credited) to customers 1/1/19 - 4/30/19				14,312
Projected under / (over) collection as of 4/30/19 (A)			\$	(3,789,303)
A strict Coo Coots through 4/4/40	Φ.	0.000.000		
Actual Gas Costs through 1/1/19	\$	8,399,222		
Revised projected gas costs 1/1/19 - 4/30/19	\$	47,814,203		
Estimated total adjusted gas costs 1/1/19 - 4/30/19 (B)			\$	56,227,737
Under/ (over) collection as percent of total gas costs (A/B)				-6.74%
Projected under / (over) collections as of 2/28/19 (A)			\$	(3,789,303)
			Ψ	(0,100,000)
Forecasted firm therm sales 1/1/19 - 4/30/19				48,026,696
Change in rate used to reduce forecast under/(over) collection			\$	(0.0789)
Current Cost of Gas Rate			\$	0.7504
Revised Cost of Gas Rate			\$	0.6715
Cap - Residential Cost of Gas Rate			\$	0.9264

Revised as follows:

The revised projected gas costs include the February 2019 - April 2019 NYMEX settled strip prices as of January 15, 2019.

Compliance rates per New Hampshire Public Utilities Commission Order Number 26,188 dated November 01, 2018 in Docket DG 18-137. The Company may adjust the approved residential cost of gas rate of \$0.7411 per therm upwards by no more than 25% or \$0.1853 per therm. The adjusted residential cost of gas rate shall not be more than \$0.9264 per therm.

ENERGYNORTH NATURAL GAS, INC.

Projected Over or Under Collection

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Without Rate Adjustment	Beginning				Dec-18		Jan-19				Mar-19		Apr-19		Tatal Daals
	Under/(Over)		(Actuals)		(Actuals)		(Estimate)		(Estimate)		(Estimate)		(Estimate)		Total Peak
Total Gas Costs		\$	8,002,139	\$	10,509,516	\$	19,230,665	\$	14,036,452	\$	8,913,602	\$	3,400,900	\$	64,093,275
Adjustments and Indirect Costs															
Refunds & Adjustments		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
COG Bad Debt			-		-		-		-		-		-		-
Inventory Financing			-		-		-		-		-		-		-
Transportation Revenue			(46,059)		(33,295)		(5,595)		(5,775)		(5,162)		(4,348)		(100,233
Broker Revenue			-		-		(17,997)		703,749		(369,992)		(217,609)		98,152
Off System and Capacity Release			-		-		(284,042)		(314,967)		(307,820)		(307,198)		(1,214,027
Fixed Price Option Admin.			-				45,000		-		-		-		45,000
Bad Debt Costs			100,012		(66,014)		540,528		580,291		493,576		342,920		1,991,313
Working Capital			11,278		(7,364)		10,994		11,803		10,039		6,975		43,724
Misc. Overhead			-		-		1,913		2,054		1,747		1,214		6,928
Production & Storage		•	331,852	_	331,852	_	330,071	_	330,071	Α.	330,071	_	330,071	_	1,983,988
Total Indirect Costs		\$	397,083	\$	225,178	\$	620,872	\$	1,307,226	\$	152,460	\$	152,025	\$	2,854,844
Interest			(728)		(8,110)		983		5,562		6,885		881	\$	5,474
Total Gas Costs plus Indirect Costs	\$ 1,488,075		8,398,494		10,726,584		19,838,966		15,335,341		9,061,941		3,544,724	\$	68,394,125
Total Forecasted Sales Volumes			13,343,607		22,602,588		18,322,981		19,670,884		16,731,404		11,624,407		102,295,872
Total Forecasted Collections			11,921,354		10,473,629		13,749,661		14,760,333		12,555,028		8,723,424	\$	72,183,428
With Rate Adjustment															
	Beginning		Nov-18		Dec-18		Jan-19		Feb-19		Mar-19		Apr-19		
	Under/(Over)		(Actuals)		(Actuals)		(Estimate)		(Estimate)		(Estimate)		(Estimate)		Total Peak
Total Gas Costs		\$	8,002,139	\$	10,509,516	\$	19,230,665	\$	14,036,452	\$	8,913,602	\$	3,400,900	\$	64,093,275
Adjustments and Indirect Costs															
Refunds & Adjustments		\$	-	\$	-	\$	-	\$	-	\$	-	\$	-	\$	-
COG Bad Debt			-		-		-		-		-		-		-
Inventory Financing			-		-		-				-		-		-
Transportation Revenue			(46,059)		(33,295)		(5,595)		(5,775)		(5,162)		(4,348)		(100,233
Broker Revenue			-		-		(17,997)		703,749		(369,992)		(217,609)		98,152
Off System and Capacity Release			-		-		(284,042)		(314,967)		(307,820)		(307,198)		(1,214,027
Fixed Price Option Admin.			-		- (00 04 4)		45,000		-		-		-		45,000
Bad Debt Costs			100,012		(66,014)		540,528		580,291		493,576		342,920		1,991,313
Working Capital			11,278		(7,364)		10,994		11,803		10,039		6,975		43,724
Misc. Overhead			224 052		- 331,852		1,913 330,071		2,054 330,071		1,747 330,071		1,214 330,071		6,928 1,983,988
Production & Storage Total Indirect Costs		\$	331,852 397,083	\$	225,178	\$		\$		\$	152,460	\$	152,025	\$	2,854,844
Total munect Costs		Ψ	391,003	Φ	223,110	Φ	020,012	Φ	1,001,220	φ	102,400	Φ	102,020	φ	2,004,044
Interest			(728)		(8,110)		983		5,562		6,885		878	\$	5,471
Total Gas Costs plus Indirect Costs	\$ 1,488,075		8,398,494		10,726,584		19,838,966		15,335,341		9,061,941		3,544,721	\$	68,394,122
Total Forecasted Sales Volumes			13,343,607		22,602,588		18,322,981		19,670,884		16,731,404		11,624,407		102,295,872
Total Forecasted Collections			11,921,354		10,473,629		13,749,661		13,208,300		11,234,920		7,806,258	\$	68,394,122

Liberty Utilities (EnergyNorth Natural Gas) Corp. Peak 2018 - 2019 Winter Cost of Gas Filing

Filed Tariff Sheets

Proposed Fourteenth Revised Page 1
Check Sheet

Proposed Twelfth Revised Page 3 Check Sheet (Cont'd)

Proposed Eleventh Revised Page 4 Check Sheet (Cont'd)

Proposed Eighth Revised Page 84
Firm Rate Schedules

Proposed Eighth Revised Page 86 Firm Rate Schedules

Proposed Third Revised Page 92
Calculation of Firm Sales Winter Period Cost of Gas Rate

Page	Revision
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TOC ii	First Revised
TOC iii	Original
TOC iv	Original
1	Fourteenth Revised
2	Third Revised
3	Twelfth Revised
4	Eleventh Revised
5	Original
6	First Revised
7	First Revised
7A	Original
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10	Original
11	Original
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22	Original
23	Original
24	Original

ISSUED: January 24, 2019 ISSUED BY: <u>/s/Susan L. Fleck</u>

Susan L. Fleck EFFECTIVE: February 01, 2019 TITLE: President

EFFECTIVE:

February 01, 2019

Page	Revision
56	Second Revised
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83	First Revised
84	Eighth Revised
85	Tenth Revised
86	Eighth Revised

ISSUED: January 24, 2019 ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck
TITLE: President

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87	First Revised
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91	First Revised
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93	Fourth Revised
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ISSUED: January 24, 2019 ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck EFFECTIVE: February 01, 2019 TITLE: President

22 FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS

	Rates effective February 1, 2019 - April 30, 2019 Winter Period								Rates Effective September 1, 2018 - October 31, 2018 Summer Period									
	Delivery <u>Charge</u>	G	Cost of as Rate age 92	<u>!</u>	LDAC Page 97		Total <u>Rate</u>		elivery Charge	G	Cost of as Rate age 89		LDAC Page 97		Total <u>Rate</u>			
Residential Non Heating - R-1 Customer Charge per Month per Meter All therms	\$15.02 \$ 0.3741	\$	0.6715	\$	0.0660	\$	15.02 1.1116	\$ \$	15.02 0.3741	\$	0.4445	\$	0.0660	\$ \$	15.02 0.8846			
Residential Heating - R-3 Customer Charge per Month per Meter Size of the first block	\$15.02 all therms		0.0745	•	0.0000	\$	15.02		15.02 Ill therms	•	0.4445	•	0.0000	\$	15.02			
Therms in the first block per month at Residential Heating - R-4	\$ 0.5502	\$	0.6715	\$	0.0660	\$	1.2877	\$	0.5502	\$	0.4445	\$	0.0660	\$	1.0607			
Customer Charge per Month per Meter Size of the first block	\$6.01 all therms		0.0745	•	0.0000	\$	6.01		6.01 Il therms	•	0.4445	•	0.0000	\$	6.00			
Therms in the first block per month at Commercial/Industrial - G-41	\$ 0.2201	\$	0.6715	\$	0.0660	\$	0.9576	\$	0.2201	\$	0.4445	\$	0.0660	\$	0.7306			
Customer Charge per Month per Meter Size of the first block	\$55.68 100 therms					\$	55.68		55.68 0 therms					\$	56.58			
Therms in the first block per month at All therms over the first block per month at	\$ 0.4566 \$ 0.3067		0.6707 0.6707		0.0757 0.0757	\$ \$	1.2030 1.0531	\$ \$		\$ \$	0.4417 0.4417		0.0757 0.0757	\$ \$	0.9740 0.8241			
Commercial/Industrial - G-42 Customer Charge per Month per Meter Size of the first block	\$167.06 1000 therms					\$	167.06	\$ 40	167.06 0 therms					\$	169.75			
Therms in the first block per month at All therms over the first block per month at	\$ 0.4152 \$ 0.2766		0.6707 0.6707		0.0757 0.0757	\$ \$	1.1616 1.0230	\$ \$	0.4152 0.2766	\$ \$	0.4417 0.4417		0.0757 0.0757	\$ \$	0.9326 0.7940			
Commercial/Industrial - G-43 Customer Charge per Month per Meter All therms over the first block per month at	\$716.95 \$ 0.2552	\$	0.6707	\$	0.0757	\$	716.95 1.0016	\$ \$	716.95 0.1167	\$	0.4417	\$	0.0757	\$ \$	728.47 0.6341			
Commercial/Industrial - G-51 Customer Charge per Month per Meter Size of the first block	\$55.68 100 therms					\$	55.68	\$ 10	55.68 0 therms					\$	56.58			
Therms in the first block per month at All therms over the first block per month at	\$ 0.2752	\$	0.6760 0.6760		0.0757 0.0757	\$ \$	1.0269 0.9306	\$	0.2752	\$ \$	0.4506 0.4506	\$ \$	0.0757 0.0757	\$ \$	0.8015 0.7052			
Commercial/Industrial - G-52 Customer Charge per Month per Meter Size of the first block	\$167.06 1000 therms					\$	167.06	\$ 100	167.06 0 therms					\$	169.75			
Therms in the first block per month at All therms over the first block per month at	\$ 0.2363	\$	0.6760 0.6760		0.0757 0.0757	\$ \$	0.9880 0.9091	\$ \$	0.1712 0.0973		0.4506 0.4506	\$ \$	0.0757 0.0757	\$ \$	0.6975 0.6236			
Commercial/Industrial - G-53 Customer Charge per Month per Meter All therms over the first block per month at	\$737.84 \$ 0.1652	\$	0.6760	\$	0.0757	\$	737.84 0.9169	\$ \$	737.84 0.0792	\$	0.4506	\$	0.0757	\$	749.68 0.6055			
Commercial/Industrial - G-54 Customer Charge per Month per Meter All therms over the first block per month at	\$737.84 \$ 0.0630	\$	0.6760	\$	0.0757	\$	737.84 0.8147	\$ \$	737.84 0.0342	\$	0.4506	\$	0.0757	\$ \$	749.68 0.5605			

ISSUED: January 24, 2019 ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck

EFFECTIVE: February 01, 2019

TITLE: President

24 FIRM RATE SCHEDULES EXCLUDING KEENE CUSTOMERS – MANAGED EXPANSION PROGRAM

	Ra	tes effecti		February ′		019 - April eriod	30	, 2019		Rates Effe	ctiv	ve May 1, Summer	9 - Octobe riod	r 31	, 2019
		elivery Charge	G	Cost of Gas Rate Page 92	ļ	LDAC Page 97		Total <u>Rate</u>		elivery Charge	G	Cost of Sas Rate Page 89	LDAC Page 97		Total <u>Rate</u>
Residential Non Heating - R-5 Customer Charge per Month per Meter All therms	\$	19.53 \$0.4863		\$0.6715		\$0.0660		\$19.53 \$1.2238	\$	19.53 0.4863		\$0.4445	\$0.0660	\$ \$	19.53 0.9968
Residential Heating - R-6 Customer Charge per Month per Meter All therms	\$	19.53 \$0.7153		\$0.6715		\$0.0660	\$	\$19.53 1.4528	\$ \$	19.53 0.7153		\$0.4445	\$0.0660	\$	19.53 1.2258
Residential Heating - R-7 Customer Charge per Month per Meter All therms	\$	7.81 \$0.2861		\$0.6715		\$0.0660	\$	\$7.81 1.0236	\$	7.81 \$0.2861		\$0.4445	\$0.0660	\$	7.81 0.7966
Commercial/Industrial - G-44 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 10	72.38 0 therms \$0.5936	\$	0.6707		0.0757		\$72.38 1.3400	\$	72.38 therms 0.5936	\$	0.4417	0.0757		72.38 1.1110
All therms over the first block per month at Commercial/Industrial - G-45 Customer Charge per Month per Meter Size of the first block	\$ 10	\$0.3987 217.18 00 therms	\$	0.6707	\$	0.0757	\$	1.1451 \$217.18	\$ \$ 40	0.3987 217.18 0 therms	\$	0.4417	\$ 0.0757	\$	0.9161 217.18
Therms in the first block per month at All therms over the first block per month at		\$0.5398 \$0.3596	\$ \$	0.6707 0.6707		0.0757 0.0757		1.2862 1.1060	\$	0.5398	\$ \$	0.4417 0.4417	0.0757 0.0757		1.0572 0.8770
Commercial/Industrial - G-46 Customer Charge per Month per Meter All therms over the first block per month at	\$	932.04 \$0.3318	\$	0.6707	\$	0.0757		\$932.04 \$1.0782	\$ \$	932.04 0.1517	\$	0.4417	\$ 0.0757	\$	932.04 0.6691
Commercial/Industrial - G-55 Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 10	72.38 0 therms \$0.3578	\$	0.6760	\$	0.0757	\$	\$72.38 1.1095	\$ 10 \$	72.38) therms 0.3578	\$	0.4506	\$ 0.0757	\$	72.38 0.8841
All therms over the first block per month at Commercial/Industrial - G-56		\$0.2326	\$	0.6760		0.0757		0.9843	\$		\$		\$ 0.0757		0.7589
Customer Charge per Month per Meter Size of the first block Therms in the first block per month at	\$ 10	217.18 00 therms \$0.3072	\$	0.6760	\$	0.0757	\$	\$217.18 1.0589	\$ 10 \$	217.18 00 therms 0.2226	\$	0.4506	\$ 0.0757	\$	217.18 0.7489
All therms over the first block per month at Commercial/Industrial - G-57		\$0.2046		0.6760		0.0757		0.9563	\$		\$	0.4506	0.0757		0.6528
Customer Charge per Month per Meter All therms over the first block per month at	\$	959.19 \$0.2148	\$	0.6760	\$	0.0757		\$959.19 \$0.9665	\$ \$	959.19 0.1030	\$	0.4506	\$ 0.0757	\$ \$	959.19 0.6293
Commercial/Industrial - G-58 Customer Charge per Month per Meter All therms over the first block per month at	\$	959.19 \$0.0819	\$	0.6760	\$	0.0757		\$959.19 \$0.8336	\$ \$	959.19 0.0445	\$	0.4506	\$ 0.0757	\$ \$	959.19 0.5708

ISSUED: January 24, 2019 ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck President

EFFECTIVE: February 01, 2019 TITLE: Pr

CALCULATION OF FIRM SALES COST OF GAS RATE PERIOD COVERED: WINTER PERIOD, NOVEMBER 1, 2018 THROUGH APRIL 30, 2019 (Refer to Text in Section 16 Cost of Gas Clause)

(Col 1)		(Col 2)		(Col 3)	
Total Anticipated Direct Cost of Gas Projected Prorated Sales (11/01/18 - 04/30/19)	\$	61,003,856 86,451,254	_		
Direct Cost of Gas Rate			\$	0.7056	per therm
Demand Cost of Gas Rate	\$	11,230,946	\$	0.1299	per therm
Commodity Cost of Gas Rate		49,116,221			per therm
Adjustment Cost of Gas Rate		656,690	\$		per therm
Total Direct Cost of Gas Rate	\$	61,003,857	\$	0.7056	per therm
Total Anticipated Indirect Cost of Gas Projected Prorated Sales (11/01/18 - 04/30/19)	\$	3,070,244 86.451.254			
Indirect Cost of Gas		00, 101,201	\$	0.0355	per therm
TOTAL PERIOD AVERAGE COST OF GAS EFFECTIVE 11/01/17			\$	0.7411	per therm
RESIDENTIAL COST OF GAS RATE - 11/01/18	coc	Gwr	\$	0.7411	/therm
Change in Rate due to change in under/over recovery			\$	0.0093	
RESIDENTIAL COST OF GAS RATE - 01/01/2019	COC	iwr	\$	0.7504	/therm
Change in Rate due to change in under/over recovery			\$	(0.0789))
RESIDENTIAL COST OF GAS RATE - 02/01/2019	COC	Swr	\$	0.6715	/therm

Maximum (COG + 25%) \$ 0.9264

C&I LOW WINTER USE COST OF GAS RATE - 11/01/18	COGwl	\$ 0.7456 /therm
Change in Rate due to change in under/over recovery		\$ 0.0093
C&I LOW WINTER USE COST OF GAS RATE - 01/01/2019	COGsl	\$ 0.7549 /therm
Change in Rate due to change in under/over recovery		\$ (0.0789)
C&I LOW WINTER USE COST OF GAS RATE - 02/01/2019	COGsl	\$ 0.6760 /therm

Average Demand Cost of Gas Rate Effective 11/01/18 Times: Low Winter Use Ratio (Winter) Times: Correction Factor Adjusted Demand Cost of Gas Rate	\$ 0.1299 1.0335 1.0011 \$ 0.1344	Maximum (COG + 25%)	\$ 0.9320
Commodity Cost of Gas Rate Adjustment Cost of Gas Rate Indirect Cost of Gas Rate Adjusted C&I Low Winter Use Cost of Gas Rate	\$ 0.5681 \$ 0.0076 \$ 0.0355 \$ 0.7456		

C&I HIGH WINTER USE COST OF GAS RATE - 11/01/18	COGwh	\$ 0.7403 /therm
Change in Rate due to change in under/over recovery		\$ 0.0093
C&I HIGH WINTER USE COST OF GAS RATE - 01/01/19	COGwh	\$ 0.7496 /therm
Change in Rate due to change in under/over recovery		\$ (0.0789)
C&I HIGH WINTER USE COST OF GAS RATE - 02/01/2019	COGwh	\$ 0.6707 /therm

Average Demand Cost of Gas Rate Effective 11/01/18	\$ 0.1299		
Times: High Winter Use Ratio (Winter)	0.9930	Maximum (COG + 25%)	\$ 0.9254
Times: Correction Factor	1.0011		
Adjusted Demand Cost of Gas Rate	\$ 0.1291		
Commodity Cost of Gas Rate	\$ 0.5681		
Adjustment Cost of Gas Rate	\$ 0.0076		
Indirect Cost of Gas Rate	\$ 0.0355		
Adjusted C&I High Winter Use Cost of Gas Rate	\$ 0.7403		

ISSUED: January 24, 2019 ISSUED BY: /s/Susan L. Fleck

Susan L. Fleck

EFFECTIVE: February 01, 2019 TITLE: President