

# Recently Approved Tariffs Within the Last Six Months



Select a state to review electric or gas tariffs that have been updated in the last six months. Select the date within each section to link to the corresponding PDF file with more details.

**Note:** MidAmerican Energy Company provides Internet access to its tariffs and other supplemental information for customers' convenience; however, electronically posted tariffs are not official company documents, and users of the electronically posted tariffs assume sole responsibility for reliance upon tariffs in electronic format.

Rates and provisions included in the electronically posted tariffs are subject to revision. Notification of proposed changes to electronically posted tariffs is not provided through this Web site.





# Recently Approved Tariffs Electric





# Recently Approved Tariffs Electric – Iowa

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
04/30/2024	1 <sup>st</sup> Revised Sheet No. 423.10 8 <sup>th</sup> Revised Sheet No. 424	Clause ETA – Electric Tax Adjustment – Implementation of 5% Franchise Fee for the city of Red Oak, Iowa
	14 <sup>th</sup> Revised Sheet No. 430	Clause TCA – Transmission Cost Adjustment factors
04/15/2024	Substitute 6 <sup>th</sup> Revised Sheet No. 433 Substitute 2 <sup>nd</sup> Revised Sheet No. 433.1	Clause EAC – Energy Adjustment - Add additional turbines to the list of repowered turbines whose PTCs are excluded from the EAC
04/01/2024	6 <sup>th</sup> Revised Sheet No. 464.20	Clause TERM – Tax Expense Revision Mechanism factors
03/04/2024	2 <sup>nd</sup> Revised Sheet No. 469 Original Sheet No. 469.10 3 <sup>rd</sup> Revised Sheet No. 470 2 <sup>nd</sup> Revised Sheet No. 471 3 <sup>rd</sup> Revised Sheet No. 472 3 <sup>rd</sup> Revised Sheet No. 473 3 <sup>rd</sup> Revised Sheet No. 474 1 <sup>st</sup> Revised Sheet No. 474.01	Rider CS – Curtailment Service - Changes to Rider CS as part of MidAmerican's Energy Efficiency Plan
03/01/2024	6 <sup>th</sup> Revised Sheet No. 419.1	Clause ETA – Electric Tax Adjustment – Implementation of 5% Franchise Fee for the city of Avoca, Iowa





# Recently Approved Tariffs Electric – Illinois

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
04/30/2024	113 <sup>th</sup> Revised Information Sheet 1	Rider FAC – Fuel Adjustment Clause factor
	Supplement to Sheet No. 478	
	94 <sup>th</sup> Revised Information Sheet No. 2	Rider PE – Purchased Electricity Adjustment factor
	Supplemental to Sheet No. 484.61	
04/01/2024	21st Revised Information Sheet No. 1	Rider EECR - Energy Efficiency Cost Recovery
	Supplemental to Sheet No 472	Adjustment factors
	112 <sup>th</sup> Revised Information Sheet 1	Rider FAC – Fuel Adjustment Clause factor
	Supplement to Sheet No. 478	
	93 <sup>rd</sup> Revised Information Sheet No. 2	Rider PE – Purchased Electricity Adjustment factor
	Supplemental to Sheet No. 484.61	
	13 <sup>th</sup> Revised Information Sheet No. 1	Rider TS – Transmission Service factors
	Supplemental to Sheet No. 506.1	
03/21/2024	3 <sup>rd</sup> Revised Sheet No. 461	Rider CS – Curtailment Service - Changes to Rider
	6 <sup>th</sup> Revised Sheet No. 462	CS as part of MidAmerican's Energy Efficiency Plan
	2 <sup>nd</sup> Revised Sheet No. 463	
	5 <sup>th</sup> Revised Sheet No. 464	
	6 <sup>th</sup> Revised Sheet No. 465	
Continued next page		





# Recently Approved Tariffs Electric – Illinois

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
03/01/2024	111 <sup>th</sup> Revised Information Sheet 1 Supplement to Sheet No. 478	Rider FAC – Fuel Adjustment Clause factor
	1 <sup>st</sup> Revised Sheet No. 482	Rider MTA - Municipal Tax Additions - increase to the municipal tax rates on electricity for the city of East Moline, Illinois
	92 <sup>nd</sup> Revised Information Sheet No. 2 Supplemental to Sheet No. 484.61	Rider PE – Purchased Electricity Adjustment factor
02/01/2024	Revised Sheet Nos. 1.70, 35, 383, 383.10, 386-387, 389, 393, 397, 401.1, 406, 426, 430-431, 434, 438-438.1, 440-441, 443-444, 446-447, 449-450, 453.5 and 458 Original Sheet Nos. 1.80, 513.50 and 513.51	Rider UFM – Utility Franchise Fee for Municipalities – Implement a franchise fee for the city of Moline, Illinois
Continued next page	1	1





# Recently Approved Tariffs Electric – Illinois

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
01/31/2024	110 <sup>th</sup> Revised Information Sheet 1	Rider FAC – Fuel Adjustment Clause factor
	Supplement to Sheet No. 478	
	91st Revised Information Sheet No. 2	Rider PE – Purchased Electricity Adjustment factor
	Supplemental to Sheet No. 484.61	
01/01/2024	6 <sup>th</sup> Revised Sheet No. 484	Rider ND - Nuclear Decommissioning factor
12/29/2023	20 <sup>th</sup> Revised Information Sheet No. 1	Rider EECR - Energy Efficiency Cost Recovery
	Supplemental to Sheet No. 472	Adjustment factors
	109 <sup>th</sup> Revised Information Sheet 1	Rider FAC – Fuel Adjustment Clause factor
	Supplement to Sheet No. 478	
	90 <sup>th</sup> Revised Information Sheet No. 2	Rider PE – Purchased Electricity Adjustment factor
	Supplemental to Sheet No. 484.61	





#### Recently Approved Tariffs Electric – South Dakota

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
<u>04/01/2024</u> Section No. 3 –		
	9 <sup>th</sup> Revised Sheet No. 73	Clause TCR – Transmission Cost Recovery factors
03/01/2024	Section No. 3 -	
	29 <sup>th</sup> Revised Sheet No. 79	Clause ECA - Energy Cost Adjustment factor





# **Recently Approved Tariffs**

Gas





# Recently Approved Tariffs Gas – Iowa

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
04/30/2024	1 <sup>st</sup> Revised Sheet No. W-7f.05 8 <sup>th</sup> Revised Sheet No. W-7g	Rate Adjustment Clause – Gas Tax Adjustment – Implement a 5% Franchise Fee for the city of Red Oak, Iowa
04/01/2024	17 <sup>th</sup> Revised Sheet No. W-7f	Rate Adjustment Clause – Gas Tax Adjustment – Increase the gas franchise fee from 2% to 3% for the city of North Liberty, Iowa
03/01/2024	4 <sup>th</sup> Revised Sheet No. W-7a.1	Rate Adjustment Clause – Gas Tax Adjustment – Implement a 5% Franchise Fee for the city of Avoca, Iowa





# Recently Approved Tariffs Gas – Illinois

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
04/01/2024	29 <sup>th</sup> Revised Information Sheet Supplemental to Sheet No. 105	Rider EECR – Energy Efficiency Cost Recovery Adjustment factors
02/01/2024	2 <sup>nd</sup> Revised Sheet No. 144	Rider UFM – Utility Franchise Fee for Municipalities – Implement a franchise fee for the city of Moline, Illinois.
12/29/2023	28 <sup>th</sup> Revised Information Sheet Supplemental to Sheet No. 105	Rider EECR – Energy Efficiency Cost Recovery Adjustment factors





## Recently Approved Tariffs Gas – Nebraska

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
None		





# Recently Approved Tariffs Gas – South Dakota

<b>Effective Billing Date</b>	Tariff Sheet No.	Brief Description
04/01/2024	Section No. 3, 4 <sup>th</sup> Revised Sheet No. 74.20	Clause CIPA-Capital Investment Phase-In
		Adjustment factor
12/01/2023	Section No. 3, 3 <sup>rd</sup> Revised Sheet No. 74.20	Clause CIPA-Capital Investment Phase-In
		Adjustment factor





## **Purchased Gas Adjustment – Current – All Jurisdictions**

Effective Billing Month	Jurisdiction	Tariff Sheet No.
05/2024	Iowa	368 <sup>th</sup> Revised Sheet No. W-4
		92 <sup>nd</sup> Revised Sheet No. W-13a
		368 <sup>th</sup> Revised Sheet No. E-20
	Illinois	170 <sup>th</sup> Revised Informational Sheet,
		Supplemental to Sheet No. 112
	Nebraska	354 <sup>th</sup> Revised Sheet No. 44
	South Dakota	107 <sup>th</sup> Revised Sheet No. 70





# **PGA Summaries:**

Iowa
Illinois
Nebraska
South Dakota





# **PGA Summaries:**

Iowa





## Purchased Gas Adjustments - 2024 (per therm)

Iowa - West				
	SVF/MVF/SGS			LVF
	Gae Supply	Pipeline Transport		Gac Supply
Effective Billing Date	Gas Supply Charge	Charge	Demand	Gas Supply Charge
05/07/2024	0.29180	0.11485	0.98104	0.16715
04/07/2024	0.24587	0.11485	0.98104	0.19168
03/07/2024	0.28954	0.11485	0.98104	0.21510
02/07/2024	0.39373	0.11485	0.98104	0.34435
01/07/2024	0.31846	0.11485	0.98104	0.31262





## Purchased Gas Adjustments - 2024 (per therm)

Iowa - East			
	Rider No. 6		
	Clause 1		
Effective Billing Date	Rates 60, 70, 87 & 90		
05/07/2024	0.40665		
04/07/2024	0.36072		
03/07/2024	0.40439		
02/07/2024	0.50858		
01/07/2024	0.43331		





## Purchased Gas Adjustments - 2023 (per therm)

Iowa - West					
	SVF/M	VF/SGS		LVF	
		Pipeline			
	Gas Supply	Transport		Gas Supply	
Effective Billing Date	Charge	Charge	Demand	Charge	
12/07/2023	0.31107	0.11485	0.98104	0.33900	
11/07/2023	0.32514	0.11485	0.98104	0.33451	
10/07/2023	0.24041	0.11485	0.98104	0.26087	
09/07/2023	0.24407	0.12057	1.03258	0.27461	
08/07/2023	0.17896	0.12201	1.03258	0.17551	
07/07/2023	0.11913	0.12201	1.03258	0.10450	
06/07/2023	0.24182	0.12201	1.03258	0.06918	
05/07/2023	0.23151	0.12474	1.05563	0.17707	
04/07/2023	0.19178	0.12474	1.05563	0.13789	
03/07/2023	0.29349	0.12474	1.05563	0.16415	
02/07/2023	0.44583	0.12474	1.05563	0.40294	
01/07/2023	0.60898	0.12474	1.05563	0.60862	





## Purchased Gas Adjustments - 2023 (per therm)

Iov	Iowa - East		
	Rider No. 6		
	Clause 1		
Effective Billing Date	Rates 60, 70, 87 & 90		
12/07/2023	0.42592		
11/07/2023	0.43999		
10/07/2023	0.35526		
09/07/2023	0.36464		
08/07/2023	0.30097		
07/07/2023	0.24114		
06/07/2023	0.36383		
05/07/2023	0.35625		
04/07/2023	0.31652		
03/07/2023	0.41823		
02/07/2023	0.57057		
01/07/2023	0.73372		





#### Purchased Gas Adjustments - 2022 (per therm)

Iowa - West					
	SVF/M	VF/SGS		LVF	
		Pipeline			
	Gas Supply	Transport		Gas Supply	
Effective Billing Date	Charge	Charge	Demand	Charge	
12/07/2022	0.65959	0.13406	1.15408	0.68938	
11/07/2022	0.52424	0.13406	1.15408	0.52670	
10/07/2022	0.51564	0.09996	0.86048	0.51562	
09/07/2022	0.86029	0.09996	0.86048	0.86029	
08/07/2022	0.47319	0.10580	0.86691	0.47951	
07/07/2022	0.53969	0.10580	0.86691	0.54586	
06/07/2022	0.92692	0.10580	0.86691	0.92065	
05/07/2022	0.81065	0.10580	0.86691	0.71120	
04/07/2022	0.87569	0.10580	0.86691	0.76139	
03/07/2022	0.82363	0.10580	0.86691	0.72346	
02/07/2022	0.81925	0.10580	0.86691	0.83400	
01/07/2022	0.82970	0.10580	0.86691	0.79888	





#### Purchased Gas Adjustments - 2022 (per therm)

Io	Iowa - East		
	Rider No. 6		
	Clause 1		
Effective Billing Date	Rates 60, 70, 87 & 90		
12/07/2022	0.79365		
11/07/2022	0.65830		
10/07/2022	0.61560		
09/07/2022	0.96025		
08/07/2022	0.57899		
07/07/2022	0.64549		
06/07/2022	1.03272		
05/07/2022	0.91645		
04/07/2022	0.98149		
03/07/2022	0.92943		
02/07/2022	0.92505		
01/07/2022	0.93550		





Purchased Gas Adjustments - 2021 (per therm)

MidAmerican Energy Company (West System)					
		SVF/MVF/SGS			LVF
			Pipeline		
	Effective	Gas Supply	Transport		Gas Supply
Revision No.	Date	Charge	Charge	Demand	Charge
325 <sup>th</sup> Revised Sheet No. W-4	01/07/2021	0.24993	0.09715	0.82518	0.28926
326 <sup>th</sup> Revised Sheet No. W-4	02/07/2021	0.34428	0.09715	0.82518	0.39376
No change in March, February 2021	PGA will remain	in effect			
328 <sup>th</sup> Revised Sheet No. W-4	04/07/2021	0.54320	0.09715	0.82518	0.45158
329 <sup>th</sup> Revised Sheet No. W-4	05/07/2021	0.53170	0.09715	0.82518	0.43515
330 <sup>th</sup> Revised Sheet No. W-4	06/07/2021	0.53765	0.09715	0.82518	0.43551
331st Revised Sheet No. W-4	07/07/2021	0.61343	0.09715	0.82518	0.50948
332 <sup>nd</sup> Revised Sheet No. W-4	08/07/2021	0.65597	0.09715	0.82518	0.57024
334 <sup>th</sup> Revised Sheet No. W-4	09/07/2021	0.69952	0.09916	0.82518	0.63120
335 <sup>th</sup> Revised Sheet No. W-4	10/07/2021	0.82622	0.09916	0.82518	0.76234
336 <sup>th</sup> Revised Sheet No. W-4	11/07/2021	0.86124	0.10580	0.86691	0.80169
337 <sup>th</sup> Revised Sheet No. W-4	12/07/2021	0.87118	0.10580	0.86691	0.75092





## Purchased Gas Adjustments - 2021 (per therm)

MidAmerican Energy Company (East System)					
		Rider No. 6			
		Clause 1			
Revision No.	Effective Date	Rates 60, 70, 87 & 90			
325 <sup>th</sup> Revised Sheet No. E-20	01/07/2021	0.34708			
326 <sup>th</sup> Revised Sheet No. E-20	02/07/2021	0.44143			
No change in March, February 2021	PGA will remain in effect				
328 <sup>th</sup> Revised Sheet No. E-20	04/07/2021	0.64035			
329 <sup>th</sup> Revised Sheet No. E-20	05/07/2021	0.62885			
330 <sup>th</sup> Revised Sheet No. E-20	06/07/2021	0.63480			
331st Revised Sheet No. E-20	07/07/2021	0.71058			
332 <sup>nd</sup> Revised Sheet No. E-20	08/07/2021	0.75312			
334 <sup>th</sup> Revised Sheet No. E-20	09/07/2021	0.79868			
335 <sup>th</sup> Revised Sheet No. E-20	10/07/2021	0.92538			
336 <sup>th</sup> Revised Sheet No. E-20	11/07/2021	0.96704			
337 <sup>th</sup> Revised Sheet No. E-20	12/07/2021	0.97698			





## Purchased Gas Adjustments - 2020 (per therm)

MidAmerican Energy Company (West System)					
		SVF/MVF/SGS			LVF
			Pipeline		
	Effective	Gas Supply	Transport		Gas Supply
Revision No.	Date	Charge	Charge	Demand	Charge
312 <sup>th</sup> Revised Sheet No. W-4	01/07/2020	0.23799	0.10689	0.91668	0.32291
313 <sup>th</sup> Revised Sheet No. W-4	02/07/2020	0.19846	0.10353	0.88778	0.28450
314 <sup>th</sup> Revised Sheet No. W-4	03/07/2020	0.14894	0.10353	0.88778	0.19748
315 <sup>th</sup> Revised Sheet No. W-4	04/07/2020	0.14522	0.10353	0.88778	0.15982
316 <sup>th</sup> Revised Sheet No. W-4	05/07/2020	0.15102	0.10353	0.88778	0.17104
317 <sup>th</sup> Revised Sheet No. W-4	06/07/2020	0.08075	0.10036	0.86059	0.12958
318 <sup>th</sup> Revised Sheet No. W-4	07/07/2020	0.05093	0.10036	0.86059	0.20317
319 <sup>th</sup> Revised Sheet No. W-4	08/07/2020	0.04143	0.10036	0.86059	0.29997
321st Revised Sheet No. W-4	09/07/2020	0.23131	0.10099	0.86130	0.23131
322 <sup>nd</sup> Revised Sheet No. W-4	10/07/2020	0.20495	0.09806	0.82518	0.21141
323 <sup>rd</sup> Revised Sheet No. W-4	11/07/2020	0.28474	0.09715	0.82518	0.31969
324 <sup>th</sup> Revised Sheet No. W-4	12/07/2020	0.21218	0.09715	0.82518	0.28940





## Purchased Gas Adjustments - 2020 (per therm)

MidAmerican Energy Company (East System)					
		Rider No. 6			
		Clause 1			
Revision No.	Effective Date	Rates 60, 70, 87 & 90			
312 <sup>th</sup> Revised Sheet No. E-20	01/07/20	0.34488			
313 <sup>th</sup> Revised Sheet No. E-20	02/07/20	0.30199			
314 <sup>th</sup> Revised Sheet No. E-20	03/07/20	0.25247			
315 <sup>th</sup> Revised Sheet No. E-20	04/07/20	0.24875			
316 <sup>th</sup> Revised Sheet No. E-20	05/07/20	0.25455			
317 <sup>th</sup> Revised Sheet No. E-20	06/07/20	0.18111			
318 <sup>th</sup> Revised Sheet No. E-20	07/07/20	0.15129			
319 <sup>th</sup> Revised Sheet No. E-20	08/07/20	0.14179			
321st Revised Sheet No. E-20	09/07/20	0.33230			
322 <sup>nd</sup> Revised Sheet No. E-20	10/07/20	0.30301			
323 <sup>rd</sup> Revised Sheet No. E-20	11/07/20	0.38189			
324 <sup>th</sup> Revised Sheet No. E-20	12/07/20	0.30933			





## Purchased Gas Adjustments - 2019 (per therm)

MidAmerican Energy Company (	West System)					
		SVF/MVF	SVF/MVF/SGS		LVF	
			Pipeline			
	Effective	Gas Supply	Transport		Gas Supply	
Revision No.	Date	Charge	Charge	Demand	Charge	
299th Revised Sheet No. W-4	01/07/19	0.35828	0.08589	0.73768	0.45834	
300 <sup>th</sup> Revised Sheet No. W-4	02/07/19	0.31860	0.08589	0.73768	0.40918	
301st Revised Sheet No. W-4	03/07/19	0.26493	0.08589	0.69779	0.33950	
302 <sup>nd</sup> Revised Sheet No. W-4	04/07/19	0.24956	0.08589	0.69778	0.28194	
303 <sup>rd</sup> Revised Sheet No. W-4	05/07/19	0.15889	0.08589	0.68713	0.14131	
304 <sup>th</sup> Revised Sheet No. W-4	06/07/19	0.13326	0.08589	0.68363	0.10303	
305 <sup>th</sup> Revised Sheet No. W-4	07/07/19	0.14040	0.08589	0.67693	0.10181	
306 <sup>th</sup> Revised Sheet No. W-4	08/07/19	0.19374	0.08589	0.66862	0.26636	
308 <sup>th</sup> Revised Sheet No. W-4	09/07/19	0.20023	0.08520	0.74043	0.20023	
309th Revised Sheet No. W-4	10/07/19	0.20350	0.08520	0.74043	0.20655	
310 <sup>th</sup> Revised Sheet No. W-4	11/07/19	0.25032	0.10689	0.91739	0.25972	
311 <sup>th</sup> Revised Sheet No. W-4	12/07/19	0.26914	0.10689	0.91739	0.30313	





## Purchased Gas Adjustments - 2019 (per therm)

MidAmerican Energy Company (East System)					
		Rider No. 6			
		Clause 1			
Revision No.	Effective Date	Rates 60, 70, 87 & 90			
299 <sup>th</sup> Revised Sheet No. E-20	01/07/19	0.44417			
300 <sup>th</sup> Revised Sheet No. E-20	02/07/19	0.40449			
301st Revised Sheet No. E-20	03/07/19	0.35082			
302 <sup>nd</sup> Revised Sheet No. E-20	04/07/19	0.33545			
303 <sup>rd</sup> Revised Sheet No. E-20	05/07/19	0.24478			
304 <sup>th</sup> Revised Sheet No. E-20	06/07/19	0.21915			
305 <sup>th</sup> Revised Sheet No. E-20	07/07/19	0.22629			
306 <sup>th</sup> Revised Sheet No. E-20	08/07/19	0.27963			
308 <sup>th</sup> Revised Sheet No. E-20	09/07/19	0.28543			
309 <sup>th</sup> Revised Sheet No. E-20	10/07/19	0.28870			
310 <sup>th</sup> Revised Sheet No. E-20	11/07/19	0.35721			
311 <sup>th</sup> Revised Sheet No. E-20	12/07/19	0.37603			





# **PGA Summaries:**

# **Ilinois**



**PGA Summaries: Illinois** 

Purchased Gas Adjustments - 2024 (per therm)

Illinois		
	Rider PGA	
Effective Billing Date	Gas Charge and Refund Adjustments	
05/01/2024	0.3651	
04/01/2024	0.3692	
03/01/2024	0.4296	
02/01/2024	0.4910	
01/01/2024	0.4352	



**PGA Summaries: Illinois** 

Purchased Gas Adjustments - 2023 (per therm)

Illinois		
	Rider PGA	
Effective Billing Date	Gas Charge and Refund Adjustments	
12/01/2023	0.3913	
11/01/2023	0.5485	
10/01/2023	0.4778	
09/01/2023	0.4694	
08/01/2023	0.4873	
07/01/2023	0.4751	
06/01/2023	0.4574	
05/01/2023	0.4559	
04/01/2023	0.3930	
03/01/2023	0.5980	
02/01/2023	0.7312	
01/01/2023	0.7503	



**PGA Summaries: Illinois** 

Purchased Gas Adjustments - 2022 (per therm)

Illinois			
	Rider PGA		
Effective Billing Date	Gas Charge and Refund Adjustments		
12/01/2022	0.6177		
11/01/2022	0.7308		
10/01/2022	0.9568		
09/01/2022	1.0762		
08/01/2022	1.0694		
07/01/2022	0.9262		
06/01/2022	1.0631		
05/01/2022	0.9399		
04/01/2022	0.6334		
03/01/2022	1.1518		
02/01/2022	1.0159		
01/01/2022	0.9788		



**PGA Summaries: Illinois** 

Purchased Gas Adjustments - 2021 (per therm)

MidAmerican Energy Company		
		Rider PGA
Revision No.	Effective Date	Gas Charge and Refund Adjustments
130 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	01/01/2021	0.3195
131st Revised Information Sheet		
Supplemental to Sheet No. 112	02/01/2021	0.3473
132 <sup>nd</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	03/01/2021	0.4669
133 <sup>rd</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	04/01/2021	0.6313
134 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	05/01/2021	0.6718
135 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	06/01/2021	0.6897
136 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	07/01/2021	0.7495
137 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	08/01/2021	0.7889
138 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	09/01/2021	0.8213
139 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	10/01/2021	0.9629
140 <sup>th</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	11/01/2021	0.9014
141 <sup>st</sup> Revised Information Sheet		
Supplemental to Sheet No. 112	12/01/2021	0.8291



#### **PGA Summaries: Illinois**

## Purchased Gas Adjustments - 2020 (per therm)

MidAmerican Energy Company					
		Rider PGA			
Revision No.	Effective Date	Gas Charge and Refund Adjustments			
118 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	01/01/2020	0.3278			
119 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	02/01/2020	0.2827			
120 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	03/01/2020	0.2984			
121 <sup>st</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	04/01/2020	0.2899			
122 <sup>nd</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	05/01/2020	0.2742			
123 <sup>rd</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	06/01/2020	0.3034			
124 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	07/01/2020	0.2446			
125 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	08/01/2020	0.2645			
126 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	09/01/2020	0.3040			
127 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	10/01/2020	0.3211			
128 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	11/01/2020	0.3621			
129 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	12/01/2020	0.3185			



#### **PGA Summaries: Illinois**

## Purchased Gas Adjustments - 2019 (per therm)

MidAmerican Energy Company					
		Rider PGA			
Revision No.	Effective Date	Gas Charge and Refund Adjustments			
106 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	01/01/19	0.4175			
107 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	02/01/19	0.4284			
108 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	03/01/19	0.4095			
109 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	04/01/19	0.3721			
110 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	05/01/19	0.3380			
111 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	06/01/19	0.3419			
112 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	07/01/19	0.2878			
113 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	08/01/19	0.3058			
114 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	09/01/19	0.2784			
115 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	10/01/19	0.2896			
116 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	11/01/19	0.3210			
117 <sup>th</sup> Revised Information Sheet					
Supplemental to Sheet No. 112	12/01/19	0.3140			





# **PGA Summaries:**

**Nebraska** 





**PGA Summaries: Nebraska** 

## Purchased Gas Adjustments – 2024 (per therm)

Nebraska Nebraska					
	Clause 1	Clause 2			
	Sm. & Med.	Large Volume Firm			
Effective Billing Date	Volume Firm	Demand	Commodity		
05/07/2024	0.36055	1.05563	0.33978		
04/07/2024	0.47470	1.05563	0.34563		
03/07/2024	0.41830	1.05563	0.36634		
02/07/2024	0.48442	1.05563	0.43086		
01/07/2024	0.54786	1.05563	0.41325		





#### Purchased Gas Adjustments – 2023 (per therm)

Nebraska Nebraska			
	Clause 1 Clause 2		use 2
	Sm. & Med.	Large Vo	lume Firm
<b>Effective Billing Date</b>	<b>Volume Firm</b>	Demand	Commodity
12/07/2023	0.55848	1.05563	0.40519
11/07/2023	0.53581	1.05563	0.40753
10/07/2023	0.48496	1.05563	0.41239
09/07/2023	0.33040	1.05563	0.38392
08/07/2023	0.30821	1.05563	0.29730
07/07/2023	0.33537	1.05563	0.32064
06/07/2023	0.40282	1.05563	0.34752
05/07/2023	0.38532	1.05563	0.28660
04/07/2023	0.36067	1.05563	0.29432
03/07/2023	0.36984	1.05563	0.30375
02/07/2023	0.42570	1.05563	0.40592
01/07/2023	0.52840	1.05563	0.50961





### Purchased Gas Adjustments – 2022 (per therm)

Nebraska Nebraska			
	Clause 1 Clause 2		use 2
	Sm. & Med.	Large Vo	lume Firm
Effective Billing Date	Volume Firm	Demand	Commodity
12/07/2022	0.75114	1.15408	0.60115
11/07/2022	0.47709	1.15408	0.37296
10/07/2022	0.56633	0.86048	0.44597
09/07/2022	0.87405	0.86048	0.76184
08/07/2022	0.57180	0.86691	0.62984
07/07/2022	0.87317	0.86691	0.30749
06/07/2022	1.01517	0.86691	0.54880
05/07/2022	0.89668	0.86691	0.43285
04/07/2022	0.67511	0.86691	0.40218
03/07/2022	0.57293	0.86691	0.35557
02/07/2022	0.39717	0.86691	0.30802
01/07/2022	0.51619	0.86691	0.44977





#### Purchased Gas Adjustments – 2021 (per therm)

MidAmerican Energy Company				
		Clause 1	Claus	se 2
		Sm. & Med.	Large Volu	ıme Firm
Revision No.	Effective Date	Volume Firm	Demand	Commodity
314 <sup>th</sup> Revised Sheet No. 44	01/07/2021	0.47773	0.82518	0.33581
315 <sup>th</sup> Revised Sheet No. 44	02/07/2021	0.53126	0.82518	0.35356
316 <sup>th</sup> Revised Sheet No. 44	03/07/2021	0.59846	0.82518	0.34359
317 <sup>th</sup> Revised Sheet No. 44	04/07/2021	0.72774	0.82518	0.28576
318 <sup>th</sup> Revised Sheet No. 44	05/07/2021	0.72655	0.82518	0.24542
319 <sup>th</sup> Revised Sheet No. 44	06/07/2021	0.60089	0.82518	0.23363
320 <sup>th</sup> Revised Sheet No. 44	07/07/2021	0.38433	0.82518	0.24778
321st Revised Sheet No. 44	08/07/2021	0.22534	0.82518	0.29989
322 <sup>nd</sup> Revised Sheet No. 44	09/07/2021	0.35524	0.82518	0.28298
323 <sup>rd</sup> Revised Sheet No. 44	10/07/2021	0.48103	0.82518	0.38913
324 <sup>th</sup> Revised Sheet No. 44	11/07/2021	0.50701	0.86691	0.38410
325 <sup>th</sup> Revised Sheet No. 44	12/07/2021	0.47500	0.86691	0.35690





#### Purchased Gas Adjustments – 2020 (per therm)

MidAmerican Energy Company				
		Clause 1	Claus	se 2
		Sm. & Med.	Large Volu	ıme Firm
Revision No.	<b>Effective Date</b>	<b>Volume Firm</b>	Demand	Commodity
302 <sup>nd</sup> Revised Sheet No. 44	01/07/2020	0.40716	0.91739	0.34954
303 <sup>rd</sup> Revised Sheet No. 44	02/07/2020	0.38057	0.88849	0.32938
304 <sup>th</sup> Revised Sheet No. 44	03/07/2020	0.41958	0.88849	0.30454
305 <sup>th</sup> Revised Sheet No. 44	04/07/2020	0.50010	0.88849	0.33305
306 <sup>th</sup> Revised Sheet No. 44	05/07/2020	0.56324	0.88849	0.35326
307 <sup>th</sup> Revised Sheet No. 44	06/07/2020	0.58808	0.86130	0.32051
308 <sup>th</sup> Revised Sheet No. 44	07/07/2020	0.62755	0.86130	0.39258
309 <sup>th</sup> Revised Sheet No. 44	08/07/2020	0.62147	0.86130	0.30585
310 <sup>th</sup> Revised Sheet No. 44	09/07/2020	0.42716	0.86130	0.33834
311 <sup>th</sup> Revised Sheet No. 44	10/07/2020	0.42507	0.82518	0.38450
312 <sup>th</sup> Revised Sheet No. 44	11/07/2020	0.48941	0.82518	0.40471
313 <sup>th</sup> Revised Sheet No. 44	12/07/2020	0.46900	0.82518	0.39116





### Purchased Gas Adjustments – 2019 (per therm)

MidAmerican Energy Company				
		Clause 1	Claus	se 2
		Sm. & Med.	Large Volu	ıme Firm
Revision No.	<b>Effective Date</b>	Volume Firm	Demand	Commodity
290 <sup>th</sup> Revised Sheet No. 44	01/07/19	0.45997	0.73768	0.38095
291st Revised Sheet No. 44	02/07/19	0.46374	0.73768	0.39617
292 <sup>nd</sup> Revised Sheet No. 44	03/07/19	0.47971	0.74043	0.34089
293 <sup>rd</sup> Revised Sheet No. 44	04/07/19	0.54387	0.74043	0.36578
294 <sup>th</sup> Revised Sheet No. 44	05/07/19	0.55653	0.74043	0.33619
295 <sup>th</sup> Revised Sheet No. 44	06/07/19	0.33767	0.74043	0.31721
296 <sup>th</sup> Revised Sheet No. 44	07/07/19	0.25115	0.74043	0.36551
297 <sup>th</sup> Revised Sheet No. 44	08/07/19	0.20381	0.74043	0.23812
298 <sup>th</sup> Revised Sheet No. 44	09/07/19	0.33700	0.74043	0.25220
299 <sup>th</sup> Revised Sheet No. 44	10/07/19	0.40498	0.74043	0.36046
300 <sup>th</sup> Revised Sheet No. 44	11/07/19	0.40144	0.91739	0.36360
301st Revised Sheet No. 44	12/07/19	0.41980	0.91739	0.38440





# **PGA Summaries:**

**South Dakota** 





### Purchased Gas Adjustments - 2024 (per therm)

South Dakota		
Effective Billing Date   Small, Medium & Large Volume Fi		
05/07/2024	0.36823	
04/07/2024	0.33164	
03/07/2024	0.35248	
02/07/2024	0.50513	
01/07/2024	0.46856	





### Purchased Gas Adjustments - 2023 (per therm)

South Dakota		
Effective Billing Date   Small, Medium & Large Volume Fi		
12/07/2023	0.46466	
11/07/2023	0.44225	
10/07/2023	0.36692	
09/07/2023	0.38188	
08/07/2023	0.37546	
07/07/2023	0.40208	
06/07/2023	0.34230	
05/07/2023	0.33535	
04/07/2023	0.24935	
03/07/2023	0.31282	
02/07/2023	0.54526	
01/07/2023	0.75163	





#### Purchased Gas Adjustments - 2022 (per therm)

South Dakota		
Effective Billing Date   Small, Medium & Large Volume F		
12/07/2022	0.77990	
11/07/2022	0.62653	
10/07/2022	0.62244	
09/07/2022	0.96027	
08/07/2022	0.32006	
07/07/2022	0.34788	
06/07/2022	0.75963	
05/07/2022	0.64195	
04/07/2022	0.49215	
03/07/2022	0.41594	
02/07/2022	0.80962	
01/07/2022	0.85602	





#### Purchased Gas Adjustments - 2021 (per therm)

MidAmerican Energy Company			
Revision No.	Effective Date	Small, Medium & Large Volume Firm	
68th Revised Sheet No. 70	01/07/2021	0.32924	
69 <sup>th</sup> Revised Sheet No. 70	02/07/2021	0.42009	
70 <sup>th</sup> Revised Sheet No. 70	03/07/2021	0.82337	
71st Revised Sheet No. 70	04/07/2021	0.77223	
72 <sup>nd</sup> Revised Sheet No. 70	05/07/2021	0.78366	
73 <sup>rd</sup> Revised Sheet No. 70	06/07/2021	0.79527	
74 <sup>th</sup> Revised Sheet No. 70	07/07/2021	0.88963	
75 <sup>th</sup> Revised Sheet No. 70	08/07/2021	0.93748	
76th Revised Sheet No. 70	09/07/2021	0.97629	
77 <sup>th</sup> Revised Sheet No. 70	10/07/2021	1.17762	
78 <sup>th</sup> Revised Sheet No. 70	11/07/2021	1.19214	
No change in December, November 2021 PGA will remain in effect			





#### Purchased Gas Adjustments - 2020 (per therm)

MidAmerican Energy Company			
		Clause 1	Clause 3*
		Small, Medium & Large Volume	Small & Large Volume
Revision No.	<b>Effective Date</b>	Firm	Interruptible
56 <sup>th</sup> Revised Sheet No. 70	01/07/2020	0.34834	0.00000
57 <sup>th</sup> Revised Sheet No. 70	02/07/2020	0.31891	0.00000
58 <sup>th</sup> Revised Sheet No. 70	03/07/2020	0.25647	0.00000
59th Revised Sheet No. 70	04/07/2020	0.23705	0.00000
60 <sup>th</sup> Revised Sheet No. 70	05/07/2020	0.24928	0.00000
61st Revised Sheet No. 70	06/07/2020	0.17563	0.00000
62 <sup>nd</sup> Revised Sheet No. 70	07/07/2020	0.18038	0.00000
63 <sup>rd</sup> Revised Sheet No. 70	08/07/2020	0.17624	0.00000
64 <sup>th</sup> Revised Sheet No. 70	09/07/2020	0.33471	0.00000
65 <sup>th</sup> Revised Sheet No. 70	10/07/2020	0.30703	0.00000
66th Revised Sheet No. 70	11/07/2020	0.38964	0.00000
67 <sup>th</sup> Revised Sheet No. 70	12/07/2020	0.37573	0.00000

\* Effective March 1, 2006, Interruptible PGA Clause 3 has been replaced with daily market gas prices. The daily market gas price will be applied to customers' daily consumption. Daily market prices for the previous month are posted on the Rates section on the Internet under Supplemental Information – Gas: Interruptible Commodity.





#### Purchased Gas Adjustments - 2019 (per therm)

MidAmerican Energy Company			
		Clause 1	Clause 3*
		Small, Medium & Large Volume	Small & Large Volume
Revision No.	<b>Effective Date</b>	Firm	Interruptible
44 <sup>th</sup> Revised Sheet No. 70	01/07/19	0.46485	0.00000
45 <sup>th</sup> Revised Sheet No. 70	02/07/19	0.46022	0.00000
46 <sup>th</sup> Revised Sheet No. 70	03/07/19	0.39091	0.00000
47 <sup>th</sup> Revised Sheet No. 70	04/07/19	0.33080	0.00000
48 <sup>th</sup> Revised Sheet No. 70	05/07/19	0.23796	0.00000
49th Revised Sheet No. 70	06/07/19	0.22378	0.00000
50 <sup>th</sup> Revised Sheet No. 70	07/07/19	0.21424	0.00000
51st Revised Sheet No. 70	08/07/19	0.27601	0.00000
52 <sup>nd</sup> Revised Sheet No. 70	09/07/19	0.29590	0.00000
53 <sup>rd</sup> Revised Sheet No. 70	10/07/19	0.30099	0.00000
54 <sup>th</sup> Revised Sheet No. 70	11/07/19	0.36253	0.00000
55 <sup>th</sup> Revised Sheet No. 70	12/07/19	0.38628	0.00000

\* Effective March 1, 2006, Interruptible PGA Clause 3 has been replaced with daily market gas prices. The daily market gas price will be applied to customers' daily consumption. Daily market prices for the previous month are posted on the Rates section on the Internet under Supplemental Information – Gas: Interruptible Commodity.





Electric Gas





### Supplemental Information – Electric

#### Iowa

- EAC Energy Adjustment Clause
- EECR/DRCR Energy Efficiency Cost Recovery and Demand Response Recovery
- LGC Local Government Compliance
- Private Generation
  - o Rate QF Capacity Credit
  - o Rate PG Cash-out Rates
- TERM Tax Expense Revision Mechanism
- TCA Transmission Cost Adjustment

#### Illinois

- EECR Energy Efficiency Cost Recovery
- EUA Electric Utility Assessment
- FAC Fuel Adjustment Clause
- ND Nuclear Decommissioning
- PE Purchased Electricity
  - o Retail Purchased SRPEC/NRPEC
  - o Purchased Electricity PEA
- PRE Purchased Power Renewable Energy Resources Recovery Adjustment
- PZE Purchased Power Zero Emission Resource Recovery Adjustment
- TERM Tax Expense Revision Mechanism
- TS Transmission Service
- UAE Electric Incremental Uncollectible Adjustment

#### South Dakota

- ECA Energy Cost Adjustment
- EECR Energy Efficiency Cost Recovery
- TERM Tax Expense Refund Mechanism
- TCR Transmission Cost Recovery



# Iowa





**Electric: Energy Adjustment Clause: Iowa Clause EAC** 

Following are the energy adjustment clause factors per kilowatt-hour applicable to electric bills in lowa:

Iowa		
Effective Billing Date	Rate	
May 31, 2023	\$0.01594 / kWh	
August 1, 2022	\$0.01765 / kWh	
June 1, 2022	\$0.00977 / kWh	
August 31 2021	\$0.00544 / kWh	
July 1, 2020	\$0.00775 / kWh	
April 2, 2019	\$0.00682 / kWh	
June 29, 2018	\$0.00252 / kWh	
March 2, 2018	\$0.00080 / kWh	
March 3, 2017	\$(0.00146) / kWh	
March 4, 2016	\$(0.00201) / kWh	
March 5, 2015	\$(0.00173) / kWh	
July 31, 2014	\$0.00014 / kWh	





Electric: Energy Efficiency Cost Recovery and Demand Response Recovery: Iowa Clause EECR

Following are the energy efficiency cost recovery and demand response recovery (DRCR) factors per kilowatt-hour applicable to electric bills in lowa:

	Iowa							
	(\$/kWh)							
Effective Bill	ing Date	Residential	Commercial/ Small	Industrial Large	Lighting			
		- Redicential	General Service	General Service				
May 31, 2023 -	EECR	\$0.00086	\$0.00073	\$0.00073	\$0.00002			
	DRCR	\$0.00054	\$0.00031	\$0.00031	NA			
June 1, 2022 -	EECR	\$0.00097	\$0.00088	\$0.00088	\$0.00006			
	DRCR	\$0.00057	\$0.00035	\$0.00035	NA			
June 2, 2021 -	EECR	\$0.00102	\$0.00090	\$0.00090	\$0.00025			
	DRCR	\$0.00059	\$0.00033	\$0.00033	NA			
June 2, 2020 -	EECR	\$0.00127	\$0.00093	\$0.00093	\$0.00027			
	DRCR	\$0.00054	\$0.00043	\$0.00043	NA			
December 31, 201	9 – EECR	\$(0.00022)	\$0.00114	\$0.00114	\$0.00022			
	DRCR	\$0.00043	\$0.00021	\$0.00021	NA			
May 31, 2019		\$0.00021	\$0.00135	\$0.00135	\$0.00022			
May 31, 2018		\$0.00599	\$0.00411	\$0.00411	\$0.00018			
June 1, 2017	June 1, 2017		\$0.00445	\$0.00445	\$0.00015			
June 2, 2016		\$0.00597	\$0.00311	\$0.00311	\$0.00015			
July 31, 2015		\$0.00483	\$0.00254	\$0.00254	\$0.00015			
June 3, 2015		\$0.00568	\$0.00159	\$0.00159	\$0.00015			
July 31, 2014		\$0.00479	\$0.00340	\$0.00340	\$0.00013			



#### **Supplemental Information**

**Electric: Local Government Compliance: Iowa Clause LGC** 

Following is the local government compliance factor per kilowatt-hour applicable to electric bills in Fort Dodge and Waukee, Iowa:

Iowa				
Effective Billing Date	Rate			
Fort Dodge				
June 30, 2022	\$0.00000 / kWh			
June 1, 2022	\$0.00150 / kWh			
March 3, 2022	\$0.00000 / kWh			
April 2, 2021	\$0.00204 / kWh			
September 29, 2017	\$0.00000 / kWh			
August 30, 2017	\$(0.00045) / kWh			
May 2, 2017	\$0.00000 / kWh			
April 3, 2017	\$(0.02186) / kWh			
February 2, 2017	\$0.00000 / kWh			
December 1, 2015	\$0.00801 / kWh			
March 4, 2014	\$0.00000 / kWh			
March 4, 2013	\$0.00620 / kWh			
March 2, 2012	\$0.00365 / kWh			
March 4, 2011	\$0.00253 / kWh			
April 5, 2010	\$0.00550 / kWh			
Waukee				
June 29, 2023	\$0.00659 / kWh			
March 31, 2023	\$0.00000 / kWh			
April 1, 2022	\$0.00162 / kWh			



## **Iowa Private Generation**

Rate QF Capacity Credit Rate PG Cash-out Rates





Electric: Iowa Rate QF - Capacity Credit

	IA Rate QF - Capacity Credit - Effective June 2023 - September 2023						
Rates	MISO Zone 3 Capacity Auction Clearing Price - updated each year in mid-May \$/MW-Day	MISO Zone 3 Capacity Auction Clearing Price - adjusted to a monthly basis \$/KW	Transmission Loss Factor as posted with MISO - updated each year for June - May planning year	Distribution - Capacity Loss Factors - IA electric tariff Sheet No. 345.50	Adjusted Auction Clearing Price \$/KW		
RS, RST, GE, GET, GD, GDT, MWP, TC, SL and AL	\$9.25	\$0.85	3.70%	8.36%	\$0.95		
LS an LST	\$9.25	\$0.85	3.70%	6.15%	\$0.93		
SS, SST and ICR	\$9.25	\$0.85	3.70%	3.01%	\$0.90		

#### Link and path to MISO Zone 3 Capacity Auction Clearing Price and Transmission Loss Factor:

https://www.misoenergy.org

Planning / Resource Adequacy / PRA Documents / [applicable planning year] 2023 Planning Resource Auction (PRA) Results.pdf 2023 2024 Transmission Losses.pdf

#### Link to real-time MISO's Real-time Locational Marginal Prices for energy credit:

https://www.misoenergy.org/markets-and-operations/real-time--market-data/market-reports/#nt=%2FMarketReportType%3AHistorical%20LMP%2FMarketReportName%3AReal-Time%20Final%20Market%20LMPs%20(csv)&t=10&p=0&s=MarketReportPublished&sd=desc





Electric: Iowa Rate PG Pilot - Cash-out Rates - \$/kWh

Following are the cash-out rates per kilowatt-hour applicable to customers on Rate PG PILOT - Net Billing Of Private Generation Facilities Pilot in Iowa:

lowa					
				tion Source	
			(\$	/kWh)	
Effective Billing Date	Solar	Wind	50% Solar / 50% Wind	75% Solar / 25% Wind	25% Solar / 75% Wind
December 15, 2023	\$0.03061	\$0.02689	\$0.02875	\$0.02968	\$0.02782
December 15, 2022	\$0.05451	\$0.03636	\$0.04544	\$0.04997	\$0.04090
December 15, 2021	\$0.03296	\$0.02727	\$0.03012	\$0.03154	\$0.02869
December 15, 2020	\$0.02123	\$0.01728	\$0.01926	\$0.02024	\$0.01827
December 15, 2019	\$0.02559	\$0.02356	\$0.02458	\$0.02508	\$0.02407
December 15, 2018	\$0.03056	\$0.02653	\$0.02855	\$0.02955	\$0.02754
February 6, 2018	\$0.02867	\$0.02404	\$0.02646	\$0.02756	\$0.02535



#### **Supplemental Information**

**Electric: Tax Expense Revision Mechanism: Iowa Clause TERM** 

Following are the tax expense revision mechanism factors per kilowatt-hour applicable to electric bills in lowa:

	Iowa						
Effective Billing	RS, RST	GE, GET GD, GDT, MWP, TC	LS, LST, SS, SST	ICR	SL, AL		
Date	(\$/kWh)	(\$/kWh)	(\$/kWh)	(\$/kWh)	(\$/kWh)		
April 1, 2024	\$(0.00099)	\$(0.00065)	\$(0.00057)	\$(0.00043)	\$(0.00346)		
March 31, 2023	\$(0.00516)	\$(0.00396)	\$(0.00304)	\$(0.00248)	\$(0.01414)		
April 1, 2022	\$(0.00314)	\$(0.00247)	\$(0.00187)	\$(0.00157)	\$(0.00746)		
April 2, 2021	\$(0.00187)	\$(0.00155)	\$(0.00125)	\$(0.00098)	\$(0.00342)		
April 2, 2020	\$(0.00201)	\$(0.00162)	\$(0.00144)	\$(0.00110)	\$(0.00527)		
April 2, 2019	\$(0.00537)	\$(0.00450)	\$(0.00363)	\$(0.00328)	\$(0.01168)		
May 1, 2018	\$(0.00391)	\$(0.00343)	\$(0.00288)	\$(0.00267)	\$(0.00483)		



#### **Supplemental Information**

**Electric: Transmission Cost Adjustment: Iowa Clause TCA** 

Following are the transmission cost adjustment factors applicable to electric bills in Iowa:

				Iowa				
	RS, RST,			DAP, LS, LST, SS,				Lighting
Effective	RMS	GE, GET	GD, GDT	SST	ICR	TC	MWP	SL, AL
Billing Date	(\$/kWh) <sup>1</sup>	(\$/kWh) <sup>2</sup>	(\$/kW) <sup>3</sup>	(\$/kW)	(\$/kW)	(\$/kWh)	(\$/kWh)	(\$/kWh)
April 30, 2024	\$0.00321	\$0.00252	\$1.18	\$1.00	\$0.98	\$0.00182	\$0.00149	\$0.00057
May 31, 2023	\$0.00233	\$0.00211	\$0.92	\$0.90	\$0.85	\$0.00160	\$0.00114	\$0.00007
April 1, 2022	\$0.00278	\$0.00218	\$0.98	\$0.99	\$0.90	\$0.00203	\$0.00207	\$0.00112
April 2, 2021	\$0.00271	\$0.00238	\$0.98	\$0.98	\$0.84	\$0.00175	\$0.00156	\$0.00092
April 2, 2020	\$0.00259	\$0.00221	\$0.87	\$0.93	\$0.91	\$0.00149	\$0.00184	\$0.00080
April 2, 2019	\$0.00183	\$0.00193	\$0.67	\$0.72	\$0.59	\$0.00140	\$0.00099	\$0.00062
April 2, 2018	\$0.00237	\$0.00205	\$0.72	\$0.71	\$0.26	\$0.00140	\$0.00164	\$0.00121
May 2, 2017	\$0.00189	\$0.00185	\$0.66	\$0.66	\$0.90	\$0.00139	\$0.00143	\$0.00071
April 3, 2017	\$0.00144	\$0.00142	\$0.51	\$0.51	\$0.67	\$0.00109	\$0.00112	\$0.00055
April 4, 2016	\$0.00195	\$0.00163	\$0.69	\$0.51	\$0.60	\$0.00089	\$0.00091	\$0.00072
April 3, 2015	\$0.00120	\$0.00093	\$0.38	\$0.33	\$0.31	\$0.00069	\$0.00065	\$0.00046
July 31, 2014	\$0.00082	\$0.00066	\$0.22	\$0.24	\$0.27	\$0.00047	\$0.00050	\$0.00039

<sup>&</sup>lt;sup>1</sup>Prior to July 31, 2015 also included rates RTN and RTS

<sup>&</sup>lt;sup>2</sup>Prior to July 31, 2015 also included rates GUN and GUS

<sup>&</sup>lt;sup>3</sup>Prior to July 31, 2015 also included rate GD3



# Illinois





**Electric: Energy Efficiency Cost Recovery: Illinois Rider EECR** 

Following are the energy efficiency cost recovery factors per kilowatt-hour applicable to electric bills in Illinois:

Illinois							
(\$/kWh)							
Effective Billing Date	Residential	Commercial/ Small General Service	Industrial Large General Service	Lighting			
April 1, 2024	\$0.00189	\$0.00245	\$0.00245	\$0.00000			
December 29, 2023	\$0.00266	\$0.00322	\$0.00322	\$0.00000			
March 31, 2023	\$0.00121	\$0.00166	\$0.00166	\$0.00000			
December 30, 2022	\$0.00203	\$0.00229	\$0.00229	\$0.00000			
April 1, 2022	\$0.00129	\$0.00131	\$0.00131	\$0.00000			
December 31, 2021	\$0.00209	\$0.00226	\$0.00226	\$0.00000			
April 2, 2021	\$0.00170	\$0.00154	\$0.00154	\$0.00000			
December 31, 2020	\$0.00206	\$0.00221	\$0.00221	\$0.00000			
April 2, 2020	\$0.00016	\$(0.00006)	\$(0.00006)	\$0.00000			
January 1, 2020	\$0.00205	\$0.00223	\$0.00223	\$0.00000			
December 31, 2019	\$0.00205	\$0.00023	\$0.00023	\$0.00000			
April 2, 2019	\$0.00168	\$0.00096	\$0.00096	\$0.00000			
January 2, 2019	\$0.00386	\$0.00404	\$0.00404	\$0.00000			
April 2, 2018	\$0.00413	\$0.00364	\$0.00364	\$0.00000			
January 2, 2018	\$0.00462	\$0.00542	\$0.00542	\$0.00000			
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**Electric: Energy Efficiency Cost Recovery: Illinois Rider EECR** 

Following are the energy efficiency cost recovery factors per kilowatt-hour applicable to electric bills in Illinois:

Illinois							
(\$/kWh)							
Effective Billing Date	Residential	Commercial/ Small	Industrial Large	Lighting			
	Residential	General Service	General Service				
April 3, 2017	\$0.00541	\$0.00389	\$0.00389	\$0.00000			
January 3, 2017	\$0.00451	\$0.00539	\$0.00539	\$0.00000			
April 4, 2016	\$0.00548	\$0.00338	\$0.00338	\$0.00000			
January 4, 2016	\$0.00420	\$0.00507	\$0.00507	\$0.00000			
April 3, 2015	\$0.00338	\$0.00212	\$0.00212	\$0.00000			
February 3, 2015	\$0.00406	\$0.00436	\$0.00436	\$0.00000			
Usage on/after December 1, 2014	\$0.00315	\$0.00327	\$0.00327	\$0.00000			
Usage before December 1, 2014	\$0.00315	\$0.00315	\$0.00315	\$0.00000			
April 2, 2014	\$0.00315	\$0.00315	\$0.00315	\$0.00000			
January 2, 2014	\$0.00392	\$0.00333	\$0.00333	\$0.00000			
April 2, 2013	\$0.00092	\$0.00177	\$0.00177	\$0.00000			
February 1, 2013	\$0.00152	\$0.00128	\$0.00128	\$0.00000			
April 2, 2012	\$0.00140	\$0.00110	\$0.00110	\$0.00000			
January 3, 2012	\$0.00178	\$0.00147	\$0.00147	\$0.00000			
April 4, 2011	\$0.00154	\$0.00166	\$0.00166	\$0.00000			
January 3, 2011	\$0.00183	\$0.00178	\$0.00178	\$0.00000			
April 5, 2010	\$0.00212	\$0.00100	\$0.00100	\$0.00000			
January 4, 2010	\$0.00224	\$0.00144	\$0.00144	\$0.00000			
Continued next page							





**Electric: Energy Efficiency Cost Recovery: Illinois Rider EECR** 

Following are the energy efficiency cost recovery factors per kilowatt-hour applicable to electric bills in Illinois:

Illinois						
	(\$/kWh)					
Effective Billing Date	Residential	Commercial/ Small General Service	Industrial Large General Service	Lighting		
September 30, 2009	\$0.00186	\$0.00057	\$0.00057	\$0.00000		
April 3, 2009	\$0.00149	\$0.00057	\$0.00057	\$0.00000		
January 2, 2009	\$0.00162	\$0.00107	\$0.00107	\$0.00000		
June 1, 2008	\$0.00137	\$0.00121	\$0.00121	\$0.00000		





Electric: Electric Utility Assessment: Illinois Rider EUA

Following are the electric utility assessment charges applicable to electric bills in Illinois:

	Illinois					
Effective Billing		GE, GD, GET, GDT,				
Date	RS, RST, RSR	GER, GDR	LST, VLT, LSR, VLR	AL, SL, ALR, SLR		
July 31, 2023	\$0.03	\$0.09	\$17.54	\$0.01		
August 1, 2022	\$0.02	\$0.09	\$12.62	\$0.02		
August 2, 2021	\$0.05	\$0.20	\$42.07	\$0.03		
July 30, 2020	\$0.02	\$0.10	\$14.33	\$0.01		
July 31, 2019	\$0.03	\$0.10	\$20.40	\$0.02		
November 29, 2018	\$0.08	\$0.39	\$85.53	\$(0.13)		
May 31, 2018	\$0.08	\$0.39	\$85.53	\$0.41		





# **Fuel Adjustment Clause**





Electric: Fuel Adjustment Clause: Illinois Rider FAC

Following is the fuel adjustment factor per kilowatt-hour applicable to electric bills in Illinois:

Illinois	Illinois				
Billing Month - Effective Billing Date	Fuel Adjustment Clause \$/kWh				
May – April 30, 2024	\$0.00484				
April – April 1, 2024	\$0.00030				
March – March 1, 2024	\$0.01103				
February – January 31, 2024	\$0.01285				
January – December 29, 2023	\$0.00971				





Electric: Fuel Adjustment Clause: Illinois Rider FAC

Following is the fuel adjustment factor per kilowatt-hour applicable to electric bills in Illinois:

Illino	Illinois				
Billing Month - Effective Billing Date	Fuel Adjustment Clause \$/kWh				
December – November 29, 2023	\$0.00653				
November – October 27, 2023	\$0.01146				
October - September 28, 2023	\$0.01319				
September - August 29, 2023	\$0.01420				
August – July 31, 2023	\$0.01357				
July – June 29, 2023	\$0.01647				
June – May 31, 2023	\$0.00968				
May - May 1, 2023	\$0.01103				
April – March 31, 2023	\$0.00314				
March - March 2, 2023	\$0.00789				
February – February 1, 2023	\$0.01991				
January – December 30, 2022	\$0.01122				





**Electric: Fuel Adjustment Clause: Illinois Rider FAC** 

Following is the fuel adjustment factor per kilowatt-hour applicable to electric bills in Illinois:

Illinois					
Billing Month - Effective Billing Date	Fuel Adjustment Clause \$/kWh				
December – November 30, 2022	\$0.00767				
November - October 28, 2022	\$0.01380				
October - September 29, 2022	\$0.01631				
September – August 30, 2022	\$0.01542				
August - August 1, 2022	\$0.00951				
July – June 30, 2022	\$0.00737				
June - June 1, 2022	\$0.00686				
May - May 2, 2022	\$0.01241				
April - April 1, 2022	\$0.00761				
March - March 3, 2022	\$0.01035				
February – February 2, 2022	\$0.00870				
January – December 31, 2021	\$0.01484				





#### Supplemental Information Fuel Adjustment Clause: 2021 Illinois Retail FAC

Following are the electric fuel adjustment clause factors per kilowatt-hour applicable to electric bills in Illinois:

Billing Month	2021 Fuel Adjustment Clause \$/kWh			
December	\$0.01110			
November	\$0.01352			
October	\$0.01186			
September	\$0.01503			
August	\$0.01256			
July	\$0.01201			
June	\$0.01138			
May	\$0.01263			
April	\$0.01101			
March	\$0.01002			
February	\$0.00208			
January	\$0.00658			



#### **Supplemental Information** Fuel Adjustment Clause: 2020 Illinois Retail FAC

Following are the electric fuel adjustment clause factors per kilowatt-hour applicable to electric bills in Illinois:

Billing Month	2020 Fuel Adjustment Clause \$/kWh			
January	\$0.01279			
February	\$0.00409			
March	\$0.00761			
April	\$0.00528			
May	\$0.00722			
June	\$0.00603			
July	\$0.00705			
August	\$0.00563			
September	\$0.00914			
October	\$0.00789			
November	\$0.00645			
December	\$0.00681			



#### Supplemental Information Fuel Adjustment Clause: 2019 Illinois Retail FAC

Following are the electric fuel adjustment clause factors per kilowatt-hour applicable to electric bills in Illinois:

Billing Month	2019 Fuel Adjustment Clause \$/kWh				
January	\$0.01791				
February	\$0.00997				
March	\$0.01012				
April	\$0.01418				
May	\$0.01663				
June	\$0.00821				
July	\$0.01230				
August	\$0.01005				
September	\$0.01247				
October	\$0.00799				
November	\$0.00988				
December	\$0.00394				



#### **Supplemental Information**

**Electric: Nuclear Decommissioning: Illinois Rider ND** 

Following is the nuclear decommissioning factor per kilowatt-hour applicable to electric bills in Illinois:

Docket No.	<b>Proposed Effective Date</b>	Status	Rate Cents/kWh	Effective Billing Date	Amount	Station
Compliance	01/01/2024	Settled	0.00	01/01/2024	\$0.00	
Compliance	01/01/2021	Settled	0.00	01/01/2021	\$0.00	
Compliance	01/01/2018	Settled	0.00	01/01/2018	\$0.00	
Compliance	01/01/2015	Settled	0.00	01/01/2015	\$0.00	
Compliance	01/01/2012	Settled	0.00	01/01/2012	\$0.00	
Compliance	01/01/2009	Settled	0.00	01/01/2009	\$0.00	
05-0327	07/01/2006	Settled	0.00	07/01/2006	\$0.00	
05-0327	01/01/2006	Settled	(0.015)	01/01/2006	\$(132,192)	QC & Cooper
98-0757 and 99-0577 Con.	05/31/2004	Settled	0.00	05/31/2004	\$0.00	
98-0757 and 99-0577 Con.	05/31/2003	Settled	(0.07)	05/31/2003	\$(1,360,783)	QC & Cooper
02-0527	08/29/2002	Settled	0.00	08/29/2002	\$0.00	
97-0569	01/01/1998	Settled	0.03	09/01/1999	\$419,248	Cooper Only
96-0577	01/01/1997	Settled	0.19	10/31/1997	\$3,110,000	QC Only
95-0285	01/01/1996	Settled	0.19	11/08/1996	\$3,018,000	QC Only
94-0439	01/01/1995	Settled	0.21		\$3,230,000	QC Only





## **Purchased Electricity**





Electric: Purchased Electricity-Retail Purchased Electricity Charge Factors: Illinois Rider PE

Following are the retail purchased electricity charge factors per kilowatt-hour applicable to electric bills in Illinois:

	Illinois								
Effective Date	RS, RST (\$/kWh) SRPEC/ NRPEC	GE, GET (\$/kWh) SRPEC/ NRPEC	GD, GDT (\$/kWh) SRPEC/ NRPEC	LST (\$/kWh) SRPEC/ NRPEC	VLT (\$/kWh) SRPEC/ NRPEC	SL, AL (\$/kWh) SRPEC/ NRPEC			
5/31/2023	\$0.00125/	\$0.00154/	\$0.00134/	\$0.00131/	\$0.00110/	\$(0.00002)/			
	\$(0.00604)	\$(0.00611)	\$(0.00608)	\$(0.00597)	\$(0.00582)	\$(0.00591)			
6/01/2022	\$0.01345/	\$0.01533/	\$0.01405/	\$0.01373/	\$0.01229/	\$0.00533/			
	\$0.00362	\$0.00369	\$0.00366	\$0.00360	\$0.00350	\$0.00348			
6/02/2021	\$0.00014/	\$0.00026/	\$0.00018/	\$0.00017/	\$0.00009/	\$(0.00037)/			
	\$0.00894	\$0.00909	\$0.00901	\$0.00886	\$0.00862	\$0.00864			
6/02/2020	\$0.00392/	\$0.00433/	\$0.00405/	\$0.00397/	\$0.00363/	\$0.00215/			
	\$0.00703	\$0.00714	\$0.00709	\$0.00697	\$0.00678	\$0.00681			
5/31/2019	\$( <mark>0.00040)</mark> /	\$ <mark>(0.00029)</mark> /	\$( <mark>0.00036)</mark> /	\$ <mark>(0.00036)</mark> /	\$( <mark>0.00043)</mark> /	\$ <mark>(0.00091)</mark> /			
	\$0.00360	\$0.00366	\$0.00363	\$0.00357	\$0.00347	\$0.00347			
5/31/2018	\$0.00099/	\$0.00087/	\$0.00096/	\$0.00094/	\$0.00100/	\$0.00152/			
	\$0.00009	\$0.00010	\$0.00009	\$0.00009	\$0.00009	\$0.00007			
8/30/2017	\$0.00152/	\$0.00110/	\$0.00139/	\$0.00138/	\$0.00161/	\$0.00334/			
	\$0.00643	\$0.00677	\$0.00660	\$0.00650	\$0.00623	\$0.00573			
8/01/2017	\$0.00444/	\$0.00421/	\$0.00437/	\$0.00430/	\$0.00435/	\$0.00543/			
	\$0.01292	\$0.01323	\$0.01308	\$0.01286	\$0.01248	\$0.01229			
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SRPEC is effective with bills rendered in June, July, August and September NRPEC is effective with bills rendered in January, February, March, April, May, October, November and December





Electric: Purchased Electricity-Retail Purchased Electricity Charge Factors: Illinois Rider PE

Illinois							
Effective Date	RS, RST (\$/kWh) SRPEC/ NRPEC	GE, GET (\$/kWh) SRPEC/ NRPEC	GD, GDT (\$/kWh) SRPEC/ NRPEC	LST (\$/kWh) SRPEC/ NRPEC	VLT (\$/kWh) SRPEC/ NRPEC	SL, AL (\$/kWh) SRPEC/ NRPEC	
6/01/2017	\$0.01234/	\$0.01268/	\$0.01245/	\$0.01222/	\$0.01176/	\$0.01088/	
	\$0.01611	\$0.01646	\$0.01629	\$0.01602	\$0.01555	\$0.01538	
9/30/2016	\$(0.00185)/	\$(0.00202)/	\$(0.00191)/	\$(0.00187)/	\$(0.00172)/	\$(0.00113)/	
	\$(0.00090)	\$(0.00088)	\$(0.00089)	\$(0.00088)	\$(0.00087)	\$(0.00094)	
8/02/2016	\$(0.00185)/	\$(0.00202)/	\$(0.00191)/	\$(0.00187)/	\$(0.00172)/	\$(0.00113)/	
	\$(0.00088)	\$(0.00093)	\$(0.00091)	\$(0.00090)	\$(0.00086)	\$(0.00078)	
6/02/2016	\$(0.00186)/	\$(0.00203)/	\$(0.00192)/	\$(0.00188)/	\$(0.00173)/	\$(0.00114)/	
	\$(0.00090)	\$(0.00095)	\$(0.00092)	\$(0.00091)	\$(0.00087)	\$(0.00079)	
4/21/2016	\$0.00000/	\$0.00000/	\$0.00000/	\$0.00000/	\$0.00000/	\$0.00000/	
	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	

SRPEC is effective with bills rendered in June, July, August and September NRPEC is effective with bills rendered in January, February, March, April, May, October, November and December





## **Purchased Electricity Adjustment**





**Electric: Purchased Electricity: Illinois Rider PE** 

Illinois					
Billing Month – Effective Billing Date	Purchased Electricity Adjustment Factor \$/kWh				
May - April 30, 2024	\$0.00425				
April – April 1, 2024	\$0.00707				
March - March 1, 2024	\$0.00202				
February – January 31, 2024	\$(0.00286)				
January - December 29, 2023	\$(0.00582)				





**Electric: Purchased Electricity: Illinois Rider PE** 

Illin	nois			
Billing Month – Effective Billing Date	Purchased Electricity Adjustment Factor \$/kWh			
December – November 29, 2023	\$(0.00413)			
November – October 27, 2023	\$(0.00312)			
October - September 28, 2023	\$(0.00702)			
September – August 29, 2023	\$(0.00144)			
August – July 31, 2023	\$(0.00114)			
July – June 29, 2023	\$(0.00184)			
June - May 31, 2023	\$(0.00085)			
May - May 1, 2023	\$(0.00093)			
April – March 31, 2023	\$(0.00226)			
March - March 2, 2023	\$(0.00262)			
February – February 1, 2023	\$(0.00320)			
January - December 30, 2022	\$(0.00720)			





**Electric: Purchased Electricity: Illinois Rider PE** 

III	inois
Billing Month - Effective Billing Date	Purchased Electricity Adjustment Factor \$/kWh
December - November 30, 2022	\$(0.00289)
November – October 28, 2022	\$(0.00276)
October - September 29, 2022	\$(0.00086)
September – August 30, 2022	\$(0.00093)
August - August 1, 2022	\$(0.00139)
July – June 30, 2022	\$(0.00159)
June - June 1, 2022	\$(0.00134)
May - May 2, 2022	\$(0.00048)
April - April 1, 2022	\$(0.00126)
March - March 3, 2022	\$(0.00190)
February - February 2, 2022	\$(0.00269)
January - December 31, 2021	\$(0.00177)





Purchased Electricity: 2021 Illinois Rider PE

Billing Month	2021 Purchased Electricity Adjustment Factor \$/kWh			
January	\$0.00052			
February	\$0.00048			
March	\$0.00137			
April	\$0.00137			
May	\$0.00134			
June	\$0.00208			
July	\$0.00059			
August	\$0.00002			
September	\$(0.00180)			
October	\$(0.00199)			
November	\$(0.00348)			
December	\$(0.00179)			



## Supplemental Information Purchased Electricity: 2020 Illinois Rider PE

Billing Month	2020 Purchased Electricity Adjustment Factor \$/kWh			
January	\$0.00510			
February	\$0.00714			
March	\$0.00377			
April	\$0.00344			
May	\$0.00492			
June	\$0.00524			
July	\$0.00525			
August	\$0.00444			
September	\$0.00631			
October	\$0.00480			
November	\$0.00117			
December	\$0.00125			



## Supplemental Information Purchased Electricity: 2019 Illinois Rider PE

Billing Month	2019 Purchased Electricity Adjustment Factor \$/kWh			
January	\$0.00265			
February	\$0.00271			
March	\$0.00203			
April	\$0.00308			
May	\$0.00514			
June	\$0.00776			
July	\$0.00746			
August	\$0.00653			
September	\$0.00836			
October	\$0.00816			
November	\$0.00145			
December	\$0.00743			





Electric: Purchased Power Renewable Energy Resources Recovery Adjustment: Illinois Rider PRE

Following are the purchased power renewable energy resources recovery adjustment factors per kilowatt-hour applicable to electric bills in Illinois:

Illinois							
Effective Billing Date	Supply RS, GE, GD, LST, VLT, SL, AL, RST, GET and GDT	Delivery RSR, GER, GDR, LSR, VLR, SLR and ALR					
May 31, 2023	\$ 0.00034	\$ 0.00034					
June 1, 2022	\$0.00041	\$0.00041					
June 2, 2021	\$0.00034	\$0.00034					
June 2, 2020	\$(0.0008)	\$(0.0008)					
August 29, 2019	\$(0.00001)	\$(0.00001)					
May 31, 2019	\$(0.00002)	\$(0.00002)					
October 29, 2018	\$(0.00061)	\$(0.00044)					
May 31, 2018	\$0.00009	\$0.00007					
August 30, 2017	\$0.00039	\$0.00005					
June 1, 2017	\$0.00039	\$0.00062					





Electric: Purchased Power Zero Emission Resource Recovery Adjustment: Illinois Rider PZE

Following is the purchased power zero emission resource recovery adjustment factor per kilowatt-hour applicable to electric bills in Illinois:

	Illinois
Effective Billing Date	Rate
May 31, 2023	\$0.00014 / kWh
June 1, 2022	\$0.00014 / kWh
June 2, 2021	\$0.00012 / kWh
June 2, 2020	\$0.00014 / kWh
May 31, 2019	\$0.00014 / kWh
May 31, 2018	\$0.00011 / kWh
October 30, 2017	\$(0.00044) / kWh
June 1, 2017	\$0.00092 / kWh



#### **Supplemental Information**

**Electric: Tax Expense Revision Mechanism: Illinois Rider TERM** 

Following are the tax expense revision mechanism factors applicable to electric bills in Illinois:

	Illinois							
			GE, GET					
Effective	RS, RST	RSR	GD, GDT	GER, GDR	LST, VLT	LSR, VLR	SL, AL	SLR, ALR
Billing Date	(\$/kWh)	(\$/kWh)	(\$/kWh)	(\$/kWh)	(\$/kWh)	(\$/kW)	(\$/kWh)	(\$/kWh)
April 1, 2024	\$(0.00445)	\$(0.00229)	\$(0.00301)	\$(0.00125)	\$(0.00185)	\$(0.00042)	\$(0.00586)	\$(0.00497)
March 31, 2023	\$(0.00408)	\$(0.00210)	\$(0.00275)	\$(0.00114)	\$(0.00163)	\$(0.00037)	\$(0.00594)	\$(0.00503)
April 1, 2022	\$(0.00493)	\$(0.00303)	\$(0.00356)	\$(0.00134)	\$(0.00201)	\$(0.00089)	\$(0.00803)	\$(0.00583)
April 2, 2021	\$(0.00547)	\$(0.00327)	\$(0.00386)	\$(0.00128)	\$(0.00194)	\$(0.00089)	\$(0.00915)	\$(0.00537)
April 2, 2020	\$(0.00509)	\$(0.00290)	\$(0.00352)	\$(0.00102)	\$(0.00212)	\$(0.00151)	\$(0.00821)	\$(0.00467)
April 2, 2019	\$(0.00474)	\$(0.00144)	\$(0.00324)	\$(0.00056)	\$(0.00179)	\$(0.00007)	\$(0.00754)	\$(0.00486)
April 2, 2018	\$(0.00535)	\$(0.00505)	\$(0.00354)	\$(0.00175)	\$(0.00192)	\$(0.00148)	\$(0.00759)	\$(0.00718)





# Transmission Service Illinois Only





**Electric: Transmission Service: Illinois Rider TS** 

		Illinois	
			Credits Under Rate NEM and Rate NMS
		Billing Date L, 2024	Effective Billing Date April 1, 2024
Rates	\$/kWh	\$/kW	\$/kWh*
RS, RST	\$0.01175	n/a	\$(0.01175)
GE, GET	\$0.01045	n/a	\$(0.01045)
GD, GDT	n/a	\$6.02	\$(0.01317)
LST	n/a	\$4.06	\$(0.00840)
VLT	n/a	\$4.51	\$(0.00871)
SL, AL	\$0.00262	n/a	\$(0.00262)

<sup>\*</sup>Credits are used to calculate the compensation associated with excess energy generation provide by an eligible Customer to the Company under Rate NEM and Rate NMS, as applicable.



**Supplemental Information** 

**Electric: Transmission Service: Illinois Rider TS** 

		Illinois	
			Credits Under Rate NEM and Rate NMS
		Billing Date B1, 2023	Effective Billing Date March 31, 2023
Rates	\$/kWh	\$/kW	\$/kWh*
RS, RST	\$ 0.00985	n/a	\$ (0.00985)
GE, GET	\$ 0.00946	n/a	\$ (0.00946)
GD, GDT	n/a	\$ 8.10	\$ (0.01755)
LST	n/a	\$ 3.92	\$ (0.00801)
VLT	n/a	\$ 3.25	\$ (0.00583)
SL, AL	\$ 0.00069	n/a	\$ (0.00069)

<sup>\*</sup>Credits are used to calculate the compensation associated with excess energy generation provide by an eligible Customer to the Company under Rate NEM and Rate NMS, as applicable.



**Supplemental Information** 

**Electric: Transmission Service: Illinois Rider TS** 

		Illinois	
			Credits Under Rate NEM and Rate NMS
		Billing Date 1, 2022	Effective Billing Date April 1, 2022
Rates	\$/kWh	\$/kW	\$/kWh*
RS, RST	\$ 0.01090	n/a	\$ (0.01090)
GE, GET	\$ 0.00929	n/a	\$ (0.00929)
GD, GDT	n/a	\$11.76	\$ (0.02532)
LST	n/a	\$ 3.66	\$ (0.00738)
VLT	n/a	\$ 4.23	\$ (0.00763)
SL, AL	\$ 0.00446	n/a	\$ (0.00446)

<sup>\*</sup>Credits are used to calculate the compensation associated with excess energy generation provide by an eligible Customer to the Company under Rate NEM and Rate NMS, as applicable.



**Supplemental Information** 

**Electric: Transmission Service: Illinois Rider TS** 

		Illinois	
			Credits Under
			Rate NEM and Rate NMS
		Billing Date 2, 2021	Effective Billing Date January 13, 2022
Rates	\$/kWh	\$/kW	\$/kWh*
	•		·
RS, RST	\$ 0.01157	n/a	\$ (0.01157)
GE, GET	\$ 0.01094	n/a	\$ (0.01094)
GD, GDT	n/a	\$10.52	\$ (0.02276)
LST	n/a	\$ 3.71	\$ (0.00771)
VLT	n/a	\$ 3.36	\$ (0.00646)
SL, AL	\$ 0.00386	n/a	\$ (0.00386)

<sup>\*</sup>Credits are used to calculate the compensation associated with excess energy generation provide by an eligible Customer to the Company under Rate NEM and Rate NMS, as applicable.



**Supplemental Information** 

**Electric: Transmission Service: Illinois Rider TS** 

	Illinois					
Effective Billing Date	RS, RST (\$/kWh)	GE, GET (\$/kWh)	GD, GDT (\$/kW)	LST (\$/kW)	VLT (\$/kW)	SL, AL (\$/kWh)
April 2, 2020	\$0.01021	\$0.00825	\$10.87	\$3.39	\$3.21	\$0.00354
April 2, 2019	\$0.00725	\$0.00705	\$5.80	\$3.09	\$3.44	\$0.00128
April 2, 2018	\$0.00959	\$0.00435	\$5.88	\$4.50	\$2.43	\$0.00333
April 3, 2017	\$0.00869	\$0.00585	\$4.89	\$4.23	\$3.29	\$0.00304
April 4, 2016	\$0.01056	\$0.00480	\$3.13	\$4.24	\$2.46	\$0.00493
April 3, 2015	\$0.00772	\$0.00623	\$2.38	\$2.30	\$2.66	\$0.00313
December 1, 2014	\$0.00745	\$0.00640	\$2.29	\$2.14	\$2.42	\$0.00308





## Electric Incremental Uncollectible Adjustment Illinois Only





Electric: Electric Incremental Uncollectible Adjustment: Illinois Rider UAE

Following are the incremental uncollectible adjustment factors applicable to electric bills in Illinois:

			Illinois		
Effective Billing Date	Class Designation by Service Type	Rates	IDUA Factor (Monthly Delivery Charge)	ISUA Factor (Monthly Supply Charge)	Total Monthly Adjustment
May 31, 2023	Residential	RS, RST	\$ 0.06	\$ 0.14	\$ 0.20
	Residential - Delivery				
	Only	RSR	\$ 0.06	-	\$ 0.06
	Non- Residential	GE, GD, GET, GDT, LST, VLT	\$ 0.24	\$ 1.11	\$ 1.35
	Non- Residential – Delivery Only	GER, GDR, LSR, VLR	\$ 0.24	<u>-</u>	\$ 0.24
	Lighting	AL, SL	\$ 0.02	\$ 0.01	\$ 0.03
	Lighting – Delivery	ALD CLD	¢ 0.02		¢ 0 02
1	Only	ALR, SLR	\$ 0.02	-	\$ 0.02





Electric: Electric Incremental Uncollectible Adjustment: Illinois Rider UAE

Following are the incremental uncollectible adjustment factors applicable to electric bills in Illinois:

			Illinois		
Effective Billing Date	Class Designation by Service Type	Rates	IDUA Factor (Monthly Delivery Charge)	ISUA Factor (Monthly Supply Charge)	Total Monthly Adjustment
June 1, 2022	Residential	RS, RST	\$ 0.05	\$ 0.13	\$ 0.18
	Residential -		·		
	Delivery Only	RSR	\$ 0.05	-	\$ 0.05
		GE, GD, GET, GDT,			
	Non-Residential	LST, VLT	\$ 0.27	\$ 1.12	\$ 1.39
	Non-Residential				
	- Delivery Only	GER, GDR, LSR, VLR	\$ 0.27	<u>-</u>	\$ 0.27
	Lighting	AL, SL	\$ 0.01	-	\$ 0.01
	Lighting –				
	Delivery Only	ALR, SLR	\$ 0.01	-	\$ 0.01





Electric: Electric Incremental Uncollectible Adjustment: Illinois Rider UAE

Following are the incremental uncollectible adjustment factors applicable to electric bills in Illinois:

			Illinois		
Effective Billing Date	Class Designation by Service Type	Rates	IDUA Factor (Monthly Delivery Charge)	ISUA Factor (Monthly Supply Charge)	Total Monthly Adjustment
June 2, 2021	Residential	RS, RST	\$ 0.11	\$ 0.23	\$ 0.34
	Residential – Delivery Only	RSR	\$ 0.11	-	\$ 0.11
	Non-Residential	GE, GD, GET, GDT, LST, VLT	\$ 0.46	\$ 2.01	\$ 2.47
	Non-Residential – Delivery Only	GER, GDR, LSR, VLR	\$ 0.46	-	\$ 0.46
	Lighting	AL, SL	\$ 0.03	\$ 0.01	\$ 0.04
	Lighting – Delivery Only	ALR, SLR	\$ 0.03	-	\$ 0.03



## **South Dakota**





## **Energy Cost Adjustment Factors**





**Electric: Energy Cost Adjustment: South Dakota Clause ECA** 

South Dakota		
Billing Month - Effective Billing Date	Energy Cost Adjustment \$/kWh	
May - April 30, 2024	\$0.00163	
April – April 1, 2024	\$0.00163	
March - March 1, 2024	\$0.00163	
February – January 31, 2024	\$0.01329	
January – December 29, 2023	\$0.01329	





**Electric: Energy Cost Adjustment: South Dakota Clause ECA** 

South Dakota				
Billing Month - Effective Billing Date	Energy Cost Adjustment \$/kWh			
December - November 29, 2023	\$0.01329			
November – October 27, 2023	\$0.00238			
October - September 28, 2023	\$0.00238			
September - August 29, 2023	\$0.00238			
August – July 31, 2023	\$(0.00415)			
July – June 29, 2023	\$(0.00415)			
June – May 31, 2023	\$(0.00415)			
May - May 1, 2023	\$(0.00415)			
April – March 31, 2023	\$(0.00415)			
March - March 2, 2023	\$(0.00415)			
February - February 1, 2023	\$(0.00181)			
January – December 30, 2022	\$(0.00181)			





**Electric: Energy Cost Adjustment: South Dakota Clause ECA** 

South Dakota				
Billing Month - Effective Billing Date	Energy Cost Adjustment \$/kWh			
December - November 30, 2022	\$(0.00181)			
November – October 28, 2022	\$(0.00413)			
October - September 29, 2022	\$(0.00413)			
September – August 30, 2022	\$(0.00413)			
August - August 1, 2022	\$(0.00577)			
July – June 30, 2022	\$(0.00577)			
June - June 1, 2022	\$(0.00577)			
May - May 2, 2022	\$(0.00405)			
April - April 1, 2022	\$(0.00405)			
March – March 3, 2022	\$(0.00405)			
February – February 1, 2022	\$0.01063			
January – December 31, 2021	\$0.01063			





**Energy Cost Adjustment: 2021 South Dakota Retail ECA** 

Billing Month	2021 Energy Cost Adjustment \$/kWh
December	\$0.01063
November	\$0.00399
October	\$0.00399
September	\$0.00399
August	\$(0.00143)
July	\$(0.00143)
June	\$(0.00143)
May	\$(0.00368)
April	\$(0.00368)
March	\$(0.00368)
February	\$0.00596
January	\$0.00596





**Energy Cost Adjustment: 2020 South Dakota Retail ECA** 

Billing Month	2020 Energy Cost Adjustment \$/kWh
January	\$0.00206
February	\$0.00206
March	\$(0.00433)
April	\$(0.00433)
May	\$(0.00433)
June	\$(0.00433)
July	\$(0.00433)
August	\$(0.00433)
September	\$(0.00152)
October	\$(0.00152)
November	\$(0.00152)
December	\$0.00596





**Energy Cost Adjustment: 2019 South Dakota Retail ECA** 

Billing Month	2019 Energy Cost Adjustment \$/kWh		
January	\$(0.00287)		
February	\$(0.00287)		
March	\$(0.00895)		
April	\$(0.00895)		
May	\$(0.00895)		
June	\$(0.00895)		
July	\$(0.00767)		
August	\$(0.00767)		
September	\$(0.00603)		
October	\$(0.00603)		
November	\$(0.00603)		
December	\$0.00206		





Electric: Energy Efficiency Cost Recovery: South Dakota Clause EECR

Following are the energy efficiency cost recovery factors per kilowatt-hour applicable to electric bills in South Dakota:

South Dakota (\$/kWh)					
Effective Billing Date	Residential	General Service	<b>General Service</b>	Lighting	
December 31, 2020	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
July 30, 2020	\$0.00103	\$0.00000	\$0.00000	\$0.00000	
June 2, 2020	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
January 31, 2020	\$0.00086	\$0.00000	\$0.00000	\$0.00000	
May 31, 2019	\$0.00086	\$0.00006	\$0.00006	\$0.00000	
April 2, 2018	\$0.00015	\$0.00004	\$0.0004		
April 3, 2017	\$0.00261	\$0.00018	\$0.00018	\$0.00000	
April 4, 2016	\$0.00167	\$0.00026	\$0.00026	\$0.00000	
April 3, 2015	\$0.00120	\$0.00009	\$0.00009	\$0.00000	
May 1, 2014	\$0.00291	\$0.00047	\$0.00047 \$0.00047		
April 2, 2013	\$(0.00035)	\$0.00010	\$0.00010 \$0.00010		
April 2, 2012	\$0.00389	\$0.00020 \$0.00020		\$0.00000	
April 4, 2011	\$0.00020	\$0.00008 \$0.00008		\$0.00000	
April 5, 2010	\$0.00232	\$0.00091 \$0.00091		\$0.00000	
May 1, 2009	\$0.00049	\$0.00018	\$0.00018	\$0.00000	





Electric: Energy Efficiency Cost Recovery: South Dakota Clause EECR

Following are the energy efficiency cost recovery factors per kilowatt-hour applicable to electric bills in South Dakota:

South Dakota					
(\$/kWh)					
		Commercial/ Small	Industrial Large		
Effective Billing Date	Residential	General Service	General Service	Lighting	
December 31, 2020	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
July 30, 2020	\$0.00103	\$0.00000	\$0.00000	\$0.00000	
June 2, 2020	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
January 31, 2020	\$0.00086	\$0.00000	\$0.00000	\$0.00000	
May 31, 2019	\$0.00086	\$0.00006	\$0.00006	\$0.00000	
April 2, 2018	\$0.00015	\$0.00004	\$0.00004	\$0.00000	
April 3, 2017	\$0.00261	\$0.00018	\$0.00018	\$0.00000	
April 4, 2016	\$0.00167	\$0.00026	\$0.00026 \$0.00026		
April 3, 2015	\$0.00120	\$0.00009	.00009 \$0.00009		
May 1, 2014	\$0.00291	\$0.00047 \$0.00047		\$0.00000	
April 2, 2013	\$(0.00035)	\$0.00010	\$0.00010 \$0.00010		
April 2, 2012	\$0.00389	\$0.00020	.00020 \$0.00020		
April 4, 2011	\$0.00020	\$0.00008 \$0.00008		\$0.00000	
April 5, 2010	\$0.00232	\$0.00091 \$0.00091		\$0.00000	
May 1, 2009	\$0.00049	\$0.00018	\$0.00018	\$0.00000	



#### **Supplemental Information**

**Electric: Tax Expense Refund Mechanism: South Dakota Clause TERM** 

Following are the tax expense refund mechanism factors per kilowatt-hour applicable to electric bills in South Dakota:

South Dakota					
Effective Billing Date	RS, RSW, RSH, RSE, RST (\$/kWh)	GE, GEH, GD, GDH, GSH, GSW, MWP, GEP, GET, GDT (\$/kWh)	LS, LSH, LPT (\$/kWh)	SAL (\$/kWh)	
June 2, 2020	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
May 1, 2020	\$(0.00579)	\$0.00000	\$0.00135	\$0.00000	
December 31, 2019	\$0.00000	\$0.00000	\$0.00000	\$0.00000	
July 1, 2019	\$(0.01025)	\$(0.00882)	\$(0.00619)	\$(0.01579)	



#### **Supplemental Information**

**Electric: Transmission Cost Recovery: South Dakota Clause TCR** 

Following are the transmission cost recovery factors per kilowatt-hour applicable to electric bills in South Dakota:

South Dakota						
Effective Billing Date	RS, RSW, RSH, RSE, RST, (\$/kWh)	GE, GET, GEH, GSH, GSW, GEP (\$/kWh)	GD, GDT, GDH (\$/kWh)	LS, LSH, LPT (\$/kWh)	MWP (\$/kWh)	Lighting SAL (\$/kWh)
April 1, 2024	\$0.00292	\$0.00324	\$0.00221	\$0.00208	\$0.00138	\$0.00041
March 31, 2023	\$0.00212	\$0.00185	\$0.00176	\$0.00170	\$0.00184	\$(0.00020)
April 1, 2022	\$0.00296	\$0.00268	\$0.00236	\$0.00123	\$0.00006	\$0.00122
April 2, 2021	\$0.00261	\$0.00210	\$0.00233	\$0.00211	\$0.00209	\$0.00112
April 2, 2020	\$0.00235	\$0.00203	\$0.00151	\$0.00150	\$0.00099	\$0.00070
April 2, 2019	\$0.00180	\$0.00172	\$0.00157	\$0.00170	\$0.00088	\$0.00047
April 2, 2018	\$0.00187	\$0.00205	\$0.00154	\$0.00140	\$0.00339	\$0.00105
April 3, 2017	\$0.00182	\$0.00125	\$0.00154	\$0.00142	\$0.00140	\$0.00058
April 4, 2016	\$0.00173	\$0.00037	\$0.00175	\$0.00123	\$0.00087	\$0.00076
July 13, 2015	\$0.00097	\$0.00204	\$0.00033	\$0.00063	\$0.00084	\$0.00030





#### Supplemental Information – Gas

All Jurisdictions (Iowa, Illinois, Nebraska and South Dakota)

- BTU Factor
- Retention Factor
- Interruptible Commodity Prices (Iowa, Nebraska and South Dakota)

#### Iowa

- CIC Capital Investment Charge
- EECR Energy Efficiency Cost Recovery
- TERM Tax Expense Revision Mechanism

#### Illinois

- EECR Energy Efficiency Cost Recovery
- GUA Gas Utility Assessment
- TERM Tax Expense Revision Mechanism
- UAG Gas Incremental Uncollectible Adjustment

#### South Dakota

- EECR Energy Efficiency Cost Recovery
- TERM Tax Expense Refund Mechanism

#### Gas Transportation

- Exit Fees (Iowa East & West, Nebraska and South Dakota)
- Firm Standby (Iowa and Nebraska)
- Imbalance Cashout Rates (ANR Pipeline, Natural Gas Pipeline, Northern Natural Gas Pipeline)
- Supply Index and Pipeline Transportation Charges





## **All Jurisdictions**



#### **Supplemental Information**

#### **Gas Btu Factors**

Illinois - Iowa -	Nebraska - Sοι	ıth Dakot	:a					
Month	2017	2018	2019	2020	2021	2022	2023	2024
January	1.055	1.053	1.053	1.067	1.069	1.057	1.053	1.049
February	1.053	1.055	1.054	1.065	1.064	1.054	1.052	1.062
March	1.052	1.054	1.052	1.063	1.062	1.054	1.049	1.061
April	1.052	1.050	1.043	1.060	1.074	1.054	1.045	1.055
May	1.051	1.050	1.047	1.060	1.062	1.044	1.043	1.051
June	1.055	1.049	1.065	1.072	1.062	1.050	1.034	
July	1.058	1.055	1.069	1.065	1.076	1.061	1.053	
August	1.054	1.062	1.072	1.060	1.076	1.072	1.064	
September	1.058	1.069	1.078	1.069	1.078	1.070	1.079	
October	1.060	1.061	1.080	1.080	1.078	1.066	1.079	
November	1.063	1.069	1.081	1.084	1.079	1.065	1.074	
December	1.060	1.062	1.070	1.063	1.070	1.057	1.064	

Note: These values are a true weighted Btu calculation based on the weighted average of all gas flowing to the system on NNG, NGPL, ANR and NBPL pipelines.



#### **Supplemental Information**

**Gas: Retention Factor – All Jurisdictions** 

Iowa - Illinois - Nebraska - South Dakota								
Effective Billing Date (Month/Year)	Retention (-%-)							
September 2023	0.28%							
September 2022	0.49%							
September 2021	0.45%							
September 2020	0.68%							
September 2019	0.72%							
September 2018	0.52%							





# **Interruptible Commodity Prices**

#### MidAmerican Energy Company 2024 Interruptible Commodity Prices (\$/Therm)

Iowa - N	ebraska -	South Da	kota									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	\$0.26366	\$0.23820	\$0.18630	\$0.16184								
2	\$0.26366	\$0.24528	\$0.18225	\$0.17295								
3	\$0.28289	\$0.22858	\$0.18225	\$0.17799								
4	\$0.31022	\$0.22858	\$0.18225	\$0.19364								
5	\$0.31427	\$0.22858	\$0.19338	\$0.16891								
6	\$0.30212	\$0.24579	\$0.19844	\$0.14771								
7	\$0.30212	\$0.23010	\$0.20249	\$0.14771								
8	\$0.30212	\$0.21745	\$0.19288	\$0.14771								
9	\$0.31224	\$0.21289	\$0.18832	\$0.15327								
10	\$0.36588	\$0.22150	\$0.18832	\$0.15730								
11	\$0.36437	\$0.22150	\$0.18832	\$0.15579								
12	\$0.37449	\$0.22150	\$0.17871	\$0.13789								
13	\$3.63452	\$0.22909	\$0.17010	\$0.11582								
14	\$3.63452	\$0.20733	\$0.15846	\$0.11582								
15	\$3.63452	\$0.20834	\$0.16504	\$0.11582								
16	\$3.63452	\$0.20986	\$0.17263	\$0.12084								
17	\$1.88508	\$0.19872	\$0.17263	\$0.12335								
18	\$0.35931	\$0.19872	\$0.17263	\$0.13914								
19	\$0.36993	\$0.19872	\$0.18630	\$0.15327								
20	\$0.32540	\$0.19872	\$0.19895	\$0.14923								
21	\$0.32540	\$0.19417	\$0.19794	\$0.14923								
22	\$0.32540	\$0.19872	\$0.18782	\$0.14923								
23	\$0.26315	\$0.19518	\$0.18377	\$0.15932								
24	\$0.26062	\$0.18455	\$0.18377	\$0.15427								
25	\$0.27884	\$0.18455	\$0.18377	\$0.13914								
26	\$0.27783	\$0.18455	\$0.18680	\$0.13106								
27	\$0.26417	\$0.19265	\$0.19085	\$0.12602								
28	\$0.26417	\$0.19771	\$0.17213	\$0.12602								
29	\$0.26417	\$0.20530	\$0.17213	\$0.12602								
30	\$0.26012		\$0.17213	\$0.14317								
31	\$0.24544		\$0.17213									
Average	\$0.78275	\$0.21127	\$0.18271	\$0.14532								

#### MidAmerican Energy Company 2023 Interruptible Commodity Prices (\$/Therm)

Iowa - N	ebraska -	South Da	kota									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	\$0.38893	\$0.37408	\$0.31267	\$0.22752	\$0.22760	\$0.20495	\$0.23851	\$0.23870	\$0.23903	\$0.22125	\$0.32275	\$0.28651
2	\$0.38893	\$0.38320	\$0.32230	\$0.22752	\$0.22304	\$0.18263	\$0.23851	\$0.23414	\$0.23801	\$0.22125	\$0.29138	\$0.27335
3	\$0.38893	\$0.37002	\$0.32939	\$0.22752	\$0.20601	\$0.18415	\$0.23851	\$0.23363	\$0.23801	\$0.23643	\$0.27518	\$0.27335
4	\$0.37575	\$0.31882	\$0.32939	\$0.22295	\$0.19008	\$0.18415	\$0.23851	\$0.23617	\$0.23801	\$0.24656	\$0.23217	\$0.27335
5	\$0.38436	\$0.31882	\$0.32939	\$0.23462	\$0.17841	\$0.18415	\$0.23851	\$0.23668	\$0.23801	\$0.27135	\$0.23217	\$0.27943
6	\$0.37625	\$0.31882	\$0.32939	\$0.23817	\$0.17080	\$0.20140	\$0.24815	\$0.23668	\$0.23801	\$0.27186	\$0.23217	\$0.28348
7	\$0.36307	\$0.30463	\$0.31621	\$0.21433	\$0.17080	\$0.19785	\$0.22482	\$0.23668	\$0.23397	\$0.26680	\$0.19978	\$0.26728
8	\$0.36307	\$0.33352	\$0.32686	\$0.21433	\$0.17080	\$0.20698	\$0.21620	\$0.25189	\$0.23953	\$0.26680	\$0.19928	\$0.24552
9	\$0.36307	\$0.33758	\$0.32483	\$0.21433	\$0.20732	\$0.20190	\$0.21620	\$0.25544	\$0.24055	\$0.26680	\$0.23369	\$0.25919
10	\$0.37980	\$0.32643	\$0.32230	\$0.21433	\$0.19971	\$0.18365	\$0.21620	\$0.27725	\$0.24055	\$0.26730	\$0.23419	\$0.25919
11	\$0.34685	\$0.31477	\$0.31926	\$0.20317	\$0.18754	\$0.18365	\$0.24156	\$0.27522	\$0.24055	\$0.26629	\$0.23419	\$0.25919
12	\$0.35091	\$0.31477	\$0.31926	\$0.19405	\$0.18500	\$0.18365	\$0.24764	\$0.25848	\$0.24409	\$0.25060	\$0.23419	\$0.24906
13	\$0.37118	\$0.31477	\$0.31926	\$0.19100	\$0.19058	\$0.20190	\$0.24713	\$0.25848	\$0.24561	\$0.23846	\$0.23419	\$0.25109
14	\$0.33570	\$0.31477	\$0.33193	\$0.16666	\$0.19058	\$0.21103	\$0.24054	\$0.25848	\$0.24308	\$0.19494	\$0.25191	\$0.24603
15	\$0.33570	\$0.33099	\$0.31672	\$0.17528	\$0.19058	\$0.21053	\$0.23902	\$0.25848	\$0.24864	\$0.19494	\$0.28328	\$0.24147
16	\$0.33570	\$0.33251	\$0.30709	\$0.17528	\$0.22557	\$0.21357	\$0.23902	\$0.25493	\$0.24409	\$0.19494	\$0.27265	\$0.25666
17	\$0.33570	\$0.33200	\$0.32078	\$0.17528	\$0.24485	\$0.21610	\$0.23902	\$0.24885	\$0.24409	\$0.20152	\$0.27367	\$0.25666
18	\$0.35344	\$0.30412	\$0.30557	\$0.21687	\$0.22304	\$0.21610	\$0.23598	\$0.24377	\$0.24409	\$0.21670	\$0.25595	\$0.25666
19	\$0.33621	\$0.30412	\$0.30557	\$0.21585	\$0.21543	\$0.21610	\$0.24460	\$0.23769	\$0.24055	\$0.24352	\$0.25595	\$0.26475
20	\$0.33063	\$0.30412	\$0.30557	\$0.21230	\$0.22557	\$0.21610	\$0.24561	\$0.23769	\$0.24055	\$0.22986	\$0.25595	\$0.24957
21	\$0.34026	\$0.30412	\$0.28631	\$0.21839	\$0.22557	\$0.24095	\$0.25373	\$0.23769	\$0.22739	\$0.19140	\$0.25646	\$0.25261
22	\$0.34026	\$0.30970	\$0.27262	\$0.22853	\$0.22557	\$0.22878	\$0.25575	\$0.25442	\$0.22334	\$0.19140	\$0.25697	\$0.22933
23	\$0.34026	\$0.32998	\$0.28681	\$0.22853	\$0.21797	\$0.23081	\$0.25575	\$0.25595	\$0.21322	\$0.19140	\$0.27620	\$0.19036
24	\$0.35040	\$0.33048	\$0.28529	\$0.22853	\$0.21949	\$0.22675	\$0.25575	\$0.23668	\$0.21322	\$0.21063	\$0.27620	\$0.19036
25	\$0.35293	\$0.31173	\$0.28732	\$0.23107	\$0.21391	\$0.22675	\$0.25474	\$0.23008	\$0.21322	\$0.21164	\$0.27620	\$0.19036
26	\$0.33063	\$0.31173	\$0.28732	\$0.22549	\$0.19546	\$0.22675	\$0.25525	\$0.22653	\$0.22536	\$0.21619	\$0.27620	\$0.19036
27	\$0.31137	\$0.31173	\$0.28732	\$0.20622	\$0.16725	\$0.25515	\$0.25778	\$0.22653	\$0.22739	\$0.25010	\$0.27620	\$0.23034
28	\$0.81373	\$0.32744	\$0.28529	\$0.20926	\$0.16725	\$0.26276	\$0.24866	\$0.22653	\$0.22992	\$0.33461	\$0.29138	\$0.25058
29	\$0.81373		\$0.28732	\$0.20926	\$0.16725	\$0.25617	\$0.23598	\$0.24783	\$0.22587	\$0.33461	\$0.27923	\$0.24502
30	\$0.81373		\$0.26958	\$0.20926	\$0.16725	\$0.25211	\$0.23598	\$0.24428	\$0.22587	\$0.33461	\$0.27721	\$0.24502
31	\$0.39754		\$0.26552		\$0.20478		\$0.23598	\$0.24276		\$0.36953		\$0.24502
Average	\$0.40029	\$0.32463	\$0.30627	\$0.21186	\$0.19984	\$0.21358	\$0.24128	\$0.24512	\$0.23479	\$0.24530	\$0.25823	\$0.24810

#### MidAmerican Energy Company 2022 Interruptible Commodity Prices (\$/Therm)

Iowa - N	ebraska -	South Da	kota									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	\$0.52247	\$0.53973	\$0.43661	\$0.54464	\$0.67855	\$0.81366	\$0.61276	\$0.80412	\$0.85720	\$0.45824	\$0.46779	\$0.62889
2	\$0.52247	\$0.62197	\$0.45174	\$0.54596	\$0.67855	\$0.82371	\$0.54093	\$0.77499	\$0.88440	\$0.45824	\$0.39327	\$0.60101
3	\$0.52247	\$0.75569	\$0.47395	\$0.54596	\$0.74033	\$0.85485	\$0.54093	\$0.75640	\$0.84213	\$0.45824	\$0.39226	\$0.48442
4	\$0.39128	\$0.60986	\$0.46436	\$0.54596	\$0.80261	\$0.80110	\$0.54093	\$0.75439	\$0.84213	\$0.48638	\$0.37046	\$0.48442
5	\$0.44931	\$0.53317	\$0.48303	\$0.55921	\$0.82521	\$0.80110	\$0.54093	\$0.79056	\$0.84213	\$0.53261	\$0.21179	\$0.48442
6	\$0.61683	\$0.53317	\$0.48303	\$0.59287	\$0.81416	\$0.80110	\$0.54643	\$0.78905	\$0.84213	\$0.62960	\$0.21179	\$0.47985
7	\$0.44628	\$0.53317	\$0.48303	\$0.62632	\$0.81366	\$0.87192	\$0.53990	\$0.78905	\$0.79741	\$0.65070	\$0.21179	\$0.47124
8	\$0.44225	\$0.43629	\$0.49968	\$0.60844	\$0.81366	\$0.89302	\$0.59365	\$0.78905	\$0.76324	\$0.56276	\$0.38922	\$0.46820
9	\$0.44225	\$0.43528	\$0.48757	\$0.61125	\$0.81366	\$0.91210	\$0.59669	\$0.74887	\$0.75269	\$0.56276	\$0.36640	\$0.50520
10	\$0.44225	\$0.40500	\$0.47899	\$0.61125	\$0.73380	\$0.79206	\$0.59669	\$0.77449	\$0.74163	\$0.56276	\$0.40088	\$0.52548
11	\$0.43064	\$0.39794	\$0.48505	\$0.61125	\$0.67654	\$0.83526	\$0.59669	\$0.78202	\$0.74163	\$0.55824	\$0.54484	\$0.52548
12	\$0.42004	\$0.40652	\$0.47798	\$0.64239	\$0.74937	\$0.83526	\$0.64639	\$0.82521	\$0.74163	\$0.54216	\$0.54484	\$0.52548
13	\$0.47403	\$0.40652	\$0.47798	\$0.65244	\$0.73832	\$0.83526	\$0.64388	\$0.83325	\$0.76782	\$0.58990	\$0.54484	\$0.60000
14	\$0.47959	\$0.40652	\$0.47798	\$0.67725	\$0.74083	\$0.84430	\$0.64792	\$0.83325	\$0.77932	\$0.56578	\$0.54484	\$0.63852
15	\$0.44931	\$0.41611	\$0.44670	\$0.70639	\$0.74083	\$0.71020	\$0.66248	\$0.83325	\$0.81198	\$0.55623	\$0.66549	\$0.60659
16	\$0.44931	\$0.43326	\$0.43055	\$0.70639	\$0.74083	\$0.74485	\$0.65192	\$0.82171	\$0.77184	\$0.55623	\$0.65434	\$0.66691
17	\$0.44931	\$0.47363	\$0.44317	\$0.70639	\$0.78654	\$0.75540	\$0.65192	\$0.88147	\$0.71053	\$0.55623	\$0.60618	\$0.70391
18	\$0.44931	\$0.47867	\$0.46385	\$0.70639	\$0.81366	\$0.69663	\$0.65192	\$0.89352	\$0.71053	\$0.58990	\$0.65079	\$0.70391
19	\$0.49018	\$0.48372	\$0.45477	\$0.76796	\$0.81969	\$0.69663	\$0.73832	\$0.88299	\$0.71053	\$0.59291	\$0.61784	\$0.70391
20	\$0.57949	\$0.48372	\$0.45477	\$0.69864	\$0.80563	\$0.69663	\$0.72225	\$0.85234	\$0.70249	\$0.53864	\$0.61784	\$0.75207
21	\$0.43468	\$0.48372	\$0.45477	\$0.67353	\$0.78905	\$0.69663	\$0.74686	\$0.85234	\$0.70294	\$0.48387	\$0.61784	\$0.73382
22	\$0.42206	\$0.48372	\$0.44670	\$0.66148	\$0.78905	\$0.65294	\$0.78754	\$0.85234	\$0.68486	\$0.39744	\$0.65079	\$3.40429
23	\$0.42206	\$0.54023	\$0.47546	\$0.63707	\$0.78905	\$0.65846	\$0.81316	\$0.89704	\$0.64265	\$0.39744	\$0.60517	\$1.44199
24	\$0.42206	\$0.57000	\$0.49665	\$0.63707	\$0.81266	\$0.64390	\$0.81316	\$0.92667	\$0.49493	\$0.39744	\$0.63964	\$1.01821
25	\$0.58605	\$0.53922	\$0.50473	\$0.63707	\$0.85585	\$0.59317	\$0.81316	\$0.88348	\$0.49493	\$0.45723	\$0.63964	\$1.01821
26	\$0.43771	\$0.46555	\$0.54408	\$0.68429	\$0.89704	\$0.59317	\$0.83275	\$0.87946	\$0.49493	\$0.50899	\$0.63964	\$1.01821
27	\$0.45991	\$0.46555	\$0.54408	\$0.70488	\$0.87036	\$0.59317	\$0.87896	\$0.87795	\$0.51251	\$0.51904	\$0.63964	\$1.01821
28	\$0.47353	\$0.46555	\$0.54408	\$0.70538	\$0.78453	\$0.60723	\$0.84430	\$0.87795	\$0.54119	\$0.50899	\$0.63964	\$0.51483
29	\$0.53610		\$0.53601	\$0.66549	\$0.78453	\$0.64992	\$0.82170	\$0.87795	\$0.52055	\$0.46829	\$0.58033	\$0.43018
30	\$0.53610		\$0.52541	\$0.66549	\$0.78453	\$0.65796	\$0.82170	\$0.88699	\$0.50849	\$0.46829	\$0.66802	\$0.38912
31	\$0.53610		\$0.54257		\$0.78453		\$0.82170	\$0.85434		\$0.46829		\$0.38912
Average	\$0.47534	\$0.49298	\$0.48288	\$0.64464	\$0.78283	\$0.74539	\$0.68576	\$0.83473	\$0.70705	\$0.51883	\$0.52426	\$0.73987

#### MidAmerican Energy Company 2021 Interruptible Commodity Prices (\$/Therm)

Iowa - N	ebraska -	South Da	kota									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	\$0.25812	\$0.28263	\$0.27676	\$0.26631	\$0.27703	\$0.28192	\$0.37714	\$0.38039	\$0.42759	\$0.54947	\$0.54161	\$0.42669
2	\$0.25812	\$0.29486	\$0.28135	\$0.24552	\$0.27703	\$0.30015	\$0.35990	\$0.38039	\$0.45339	\$0.54644	\$0.52344	\$0.41054
3	\$0.25812	\$0.31218	\$0.29255	\$0.24552	\$0.27703	\$0.30066	\$0.35686	\$0.39814	\$0.46705	\$0.54644	\$0.55422	\$0.39944
4	\$0.25812	\$0.30811	\$0.29306	\$0.24552	\$0.28717	\$0.30205	\$0.35686	\$0.39814	\$0.46756	\$0.54644	\$0.57138	\$0.39288
5	\$0.27544	\$0.34377	\$0.27982	\$0.24552	\$0.28971	\$0.29103	\$0.35686	\$0.41386	\$0.46756	\$0.59349	\$0.56583	\$0.39288
6	\$0.28206	\$0.40796	\$0.27268	\$0.23031	\$0.28819	\$0.29103	\$0.35686	\$0.41589	\$0.46756	\$0.61879	\$0.52142	\$0.39288
7	\$0.28614	\$0.40796	\$0.27268	\$0.23258	\$0.28920	\$0.29103	\$0.36446	\$0.41336	\$0.46756	\$0.58489	\$0.52142	\$0.37220
8	\$0.29480	\$0.40796	\$0.27268	\$0.24164	\$0.28768	\$0.30407	\$0.35635	\$0.41336	\$0.46300	\$0.55150	\$0.52142	\$0.38531
9	\$0.29174	\$0.44414	\$0.25893	\$0.24416	\$0.28768	\$0.31385	\$0.35838	\$0.41336	\$0.49285	\$0.53126	\$0.52596	\$0.38077
10	\$0.29174	\$0.42936	\$0.25995	\$0.24298	\$0.28768	\$0.31334	\$0.36244	\$0.41285	\$0.49134	\$0.53126	\$0.47752	\$0.36513
11	\$0.29174	\$0.71977	\$0.26759	\$0.24298	\$0.29427	\$0.30979	\$0.36244	\$0.41133	\$0.49741	\$0.53126	\$0.46188	\$0.37472
12	\$0.28461	\$1.61392	\$0.27116	\$0.24298	\$0.29022	\$0.32450	\$0.36244	\$0.40626	\$0.49741	\$0.51608	\$0.48762	\$0.37472
13	\$0.29633	\$23.62270	\$0.26555	\$0.26124	\$0.28920	\$0.32450	\$0.36903	\$0.39865	\$0.49741	\$0.52165	\$0.48661	\$0.37472
14	\$0.29174	\$23.62270	\$0.26555	\$0.26530	\$0.28819	\$0.32450	\$0.36142	\$0.38851	\$0.52372	\$0.53025	\$0.48661	\$0.39288
15	\$0.29174	\$23.62270	\$0.26555	\$0.26327	\$0.28210	\$0.32957	\$0.36497	\$0.38851	\$0.52422	\$0.57022	\$0.48661	\$0.35756
16	\$0.29327	\$23.62270	\$0.26657	\$0.26479	\$0.28210	\$0.32805	\$0.35939	\$0.38851	\$0.55964	\$0.51810	\$0.47399	\$0.38178
17	\$0.29327	\$19.20546	\$0.25944	\$0.26986	\$0.28210	\$0.31892	\$0.35838	\$0.38851	\$0.53536	\$0.51810	\$0.51335	\$0.38481
18	\$0.29327	\$2.76179	\$0.25893	\$0.26986	\$0.29782	\$0.31993	\$0.35838	\$0.38547	\$0.51006	\$0.51810	\$0.49518	\$0.37371
19	\$0.29327	\$0.63265	\$0.24976	\$0.26986	\$0.29630	\$0.31892	\$0.35838	\$0.38039	\$0.51006	\$0.49129	\$0.50275	\$0.37371
20	\$0.26882	\$0.42274	\$0.24874	\$0.28812	\$0.28667	\$0.31892	\$0.37816	\$0.37177	\$0.51006	\$0.47560	\$0.49922	\$0.37371
21	\$0.26321	\$0.42274	\$0.24874	\$0.28761	\$0.28210	\$0.31892	\$0.38373	\$0.38090	\$0.50550	\$0.50090	\$0.49922	\$0.40247
22	\$0.26984	\$0.42274	\$0.24874	\$0.27392	\$0.27957	\$0.31131	\$0.38881	\$0.38090	\$0.47919	\$0.50697	\$0.49922	\$0.39742
23	\$0.26423	\$0.28875	\$0.25485	\$0.26986	\$0.27957	\$0.31385	\$0.38931	\$0.38090	\$0.47768	\$0.51001	\$0.47097	\$0.39793
24	\$0.26423	\$0.29078	\$0.25434	\$0.26935	\$0.27957	\$0.31841	\$0.39844	\$0.39713	\$0.48071	\$0.51001	\$0.48408	\$0.35454
25	\$0.26423	\$0.28416	\$0.25740	\$0.26935	\$0.27804	\$0.32551	\$0.39844	\$0.39358	\$0.46705	\$0.51001	\$0.49619	\$0.35454
26	\$0.28206	\$0.26735	\$0.25587	\$0.26935	\$0.28210	\$0.34225	\$0.39844	\$0.40372	\$0.46705	\$0.56819	\$0.49619	\$0.35454
27	\$0.29225	\$0.26735	\$0.25027	\$0.26733	\$0.28717	\$0.34225	\$0.40909	\$0.40778	\$0.46705	\$0.57123	\$0.49619	\$0.35454
28	\$0.28818	\$0.26735	\$0.25027	\$0.28355	\$0.27703	\$0.34225	\$0.40757	\$0.43161	\$0.51158	\$0.60007	\$0.49619	\$0.37421
29	\$0.28206		\$0.25027	\$0.29116	\$0.27703	\$0.37064	\$0.40453	\$0.43161	\$0.55306	\$0.55807	\$0.49619	\$0.42265
30	\$0.28206		\$0.25791	\$0.28102	\$0.27703	\$0.38586	\$0.39489	\$0.43161	\$0.54193	\$0.55807	\$0.48459	\$0.40550
31	\$0.28206		\$0.26453		\$0.27703		\$0.39489	\$0.42654		\$0.55807		\$0.40550
Average	\$0.28022	\$4.49990	\$0.26363	\$0.26136	\$0.28431	\$0.31927	\$0.37443	\$0.40045	\$0.49272	\$0.54007	\$0.50457	\$0.38403

#### MidAmerican Energy Company 2020 Interruptible Commodity Prices (\$/Therm)

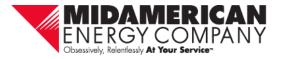
Iowa - N	ebraska -	South Da	kota									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	\$0.22711	\$0.20248	\$0.18991	\$0.17366	\$0.17713	\$0.17352	\$0.18368	\$0.18993	\$0.23071	\$0.16274	\$0.32603	\$0.29390
2	\$0.22711	\$0.20248	\$0.18991	\$0.16758	\$0.17409	\$0.17200	\$0.17709	\$0.18993	\$0.23071	\$0.14651	\$0.32603	\$0.27862
3	\$0.22660	\$0.20248	\$0.18890	\$0.16606	\$0.17409	\$0.18366	\$0.17100	\$0.18993	\$0.23983	\$0.11914	\$0.31023	\$0.28422
4	\$0.22660	\$0.21317	\$0.18940	\$0.15794	\$0.17409	\$0.19735	\$0.17100	\$0.20210	\$0.24490	\$0.11914	\$0.29597	\$0.25467
5	\$0.22660	\$0.21469	\$0.19348	\$0.15794	\$0.19589	\$0.19025	\$0.17100	\$0.21022	\$0.22209	\$0.11914	\$0.27202	\$0.25722
6	\$0.22660	\$0.21418	\$0.19042	\$0.15794	\$0.21466	\$0.17859	\$0.17100	\$0.21630	\$0.22209	\$0.15665	\$0.24960	\$0.25722
7	\$0.24034	\$0.21418	\$0.17821	\$0.17316	\$0.20807	\$0.17859	\$0.19332	\$0.20870	\$0.22209	\$0.16375	\$0.23024	\$0.25722
8	\$0.23627	\$0.21520	\$0.17821	\$0.18989	\$0.20147	\$0.17859	\$0.20346	\$0.20515	\$0.22209	\$0.17186	\$0.23024	\$0.24193
9	\$0.23322	\$0.21520	\$0.17821	\$0.19497	\$0.18474	\$0.17707	\$0.20143	\$0.20515	\$0.22107	\$0.13080	\$0.23024	\$0.24397
10	\$0.23322	\$0.21520	\$0.18686	\$0.18888	\$0.18474	\$0.17910	\$0.20194	\$0.20515	\$0.21753	\$0.13637	\$0.27406	\$0.25161
11	\$0.23831	\$0.20859	\$0.19805	\$0.18888	\$0.18474	\$0.17960	\$0.18926	\$0.21681	\$0.21246	\$0.13637	\$0.28782	\$0.25161
12	\$0.23831	\$0.21826	\$0.21078	\$0.18888	\$0.18930	\$0.17707	\$0.18926	\$0.21732	\$0.19928	\$0.13637	\$0.29240	\$0.26435
13	\$0.23831	\$0.24878	\$0.19907	\$0.18888	\$0.18119	\$0.16743	\$0.18926	\$0.21326	\$0.19928	\$0.18859	\$0.29801	\$0.26435
14	\$0.24289	\$0.22538	\$0.20874	\$0.20460	\$0.17256	\$0.16743	\$0.18926	\$0.22543	\$0.19928	\$0.20532	\$0.29902	\$0.26435
15	\$0.24899	\$0.20961	\$0.20874	\$0.19192	\$0.16901	\$0.16743	\$0.18520	\$0.23253	\$0.21347	\$0.22256	\$0.29902	\$0.28983
16	\$0.24797	\$0.20961	\$0.20874	\$0.18279	\$0.17307	\$0.16287	\$0.18875	\$0.23253	\$0.21246	\$0.23777	\$0.29902	\$0.28677
17	\$0.23932	\$0.20961	\$0.20111	\$0.17316	\$0.17307	\$0.15779	\$0.18977	\$0.23253	\$0.21195	\$0.23219	\$0.27559	\$0.28320
18	\$0.25154	\$0.20961	\$0.19602	\$0.18431	\$0.17307	\$0.16895	\$0.18520	\$0.23862	\$0.18761	\$0.23219	\$0.26183	\$0.28371
19	\$0.25154	\$0.23098	\$0.18432	\$0.18431	\$0.18524	\$0.16997	\$0.18520	\$0.24166	\$0.16582	\$0.23219	\$0.24196	\$0.27964
20	\$0.25154	\$0.23047	\$0.19144	\$0.18431	\$0.19285	\$0.17098	\$0.18520	\$0.24369	\$0.16582	\$0.26667	\$0.23126	\$0.27964
21	\$0.25154	\$0.21927	\$0.18788	\$0.18736	\$0.19234	\$0.17098	\$0.17912	\$0.24217	\$0.16582	\$0.28999	\$0.24604	\$0.27964
22	\$0.21643	\$0.20961	\$0.18788	\$0.19649	\$0.17409	\$0.17098	\$0.18216	\$0.23558	\$0.16734	\$0.28999	\$0.24604	\$0.27403
23	\$0.21388	\$0.20961	\$0.18788	\$0.20257	\$0.17104	\$0.18011	\$0.17861	\$0.23558	\$0.17443	\$0.31787	\$0.24604	\$0.29390
24	\$0.21490	\$0.20961	\$0.18025	\$0.20359	\$0.17104	\$0.17301	\$0.18064	\$0.23558	\$0.20029	\$0.33916	\$0.25368	\$0.28932
25	\$0.21083	\$0.21113	\$0.18279	\$0.18989	\$0.17104	\$0.17757	\$0.18571	\$0.26094	\$0.21195	\$0.33916	\$0.25979	\$0.27505
26	\$0.21083	\$0.21520	\$0.18330	\$0.18989	\$0.17104	\$0.17200	\$0.18571	\$0.26094	\$0.19015	\$0.33916	\$0.25674	\$0.27505
27	\$0.21083	\$0.21469	\$0.17668	\$0.18989	\$0.18930	\$0.16236	\$0.18571	\$0.25536	\$0.19015	\$0.66109	\$0.25674	\$0.27505
28	\$0.21795	\$0.20096	\$0.16040	\$0.17772	\$0.19032	\$0.16236	\$0.19129	\$0.25079	\$0.19015	\$0.32446	\$0.25674	\$0.27505
29	\$0.21643	\$0.20096	\$0.16040	\$0.18888	\$0.18017	\$0.16236	\$0.19535	\$0.23862	\$0.17545	\$0.31787	\$0.25674	\$0.24041
30	\$0.21541		\$0.16040	\$0.18381	\$0.18017	\$0.18112	\$0.19940	\$0.23862	\$0.15770	\$0.30367	\$0.25674	\$0.25875
31	\$0.20930		\$0.16447		\$0.18017		\$0.19433	\$0.23862		\$0.30367		\$0.26079
Average	\$0.23035	\$0.21383	\$0.18719	\$0.18367	\$0.18238	\$0.17370	\$0.18643	\$0.22612	\$0.20213	\$0.23685	\$0.26886	\$0.26984

#### MidAmerican Energy Company 2019 Interruptible Commodity Prices (\$/Therm)

Iowa - N	ebraska -	South Da	kota									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	\$0.40423	\$0.32836	\$0.35909	\$0.27449	\$0.25488	\$0.22506	\$0.21651	\$0.21431	\$0.20222	\$0.19266	\$0.28066	\$0.27459
2	\$0.40423	\$0.28337	\$0.93528	\$0.27602	\$0.25947	\$0.22506	\$0.21243	\$0.21533	\$0.20222	\$0.19215	\$0.25318	\$0.27459
3	\$0.35054	\$0.28337	\$0.93528	\$0.26991	\$0.25182	\$0.22506	\$0.21294	\$0.19546	\$0.20222	\$0.19981	\$0.25318	\$0.25831
4	\$0.33163	\$0.28337	\$0.93528	\$0.26736	\$0.23705	\$0.22709	\$0.20377	\$0.19546	\$0.22009	\$0.19062	\$0.25318	\$0.27154
5	\$0.33572	\$0.31046	\$0.49151	\$0.26430	\$0.23705	\$0.22455	\$0.20377	\$0.19546	\$0.22673	\$0.17224	\$0.29643	\$0.26899
6	\$0.33572	\$0.30024	\$0.33507	\$0.25181	\$0.23705	\$0.22964	\$0.20377	\$0.19699	\$0.22520	\$0.17224	\$0.30763	\$0.26848
7	\$0.33572	\$0.31097	\$0.32791	\$0.25181	\$0.24571	\$0.22760	\$0.20377	\$0.21279	\$0.22060	\$0.17224	\$0.34884	\$0.26187
8	\$0.33469	\$0.39431	\$0.30337	\$0.25181	\$0.24826	\$0.21261	\$0.20377	\$0.20820	\$0.22060	\$0.17428	\$0.31373	\$0.26187
9	\$0.35975	\$0.30944	\$0.30132	\$0.26838	\$0.24928	\$0.21261	\$0.21702	\$0.20310	\$0.22060	\$0.18041	\$0.30457	\$0.26187
10	\$0.35515	\$0.30944	\$0.30132	\$0.27297	\$0.24214	\$0.21261	\$0.21651	\$0.19444	\$0.23949	\$0.18449	\$0.30457	\$0.27205
11	\$0.35668	\$0.30944	\$0.30132	\$0.27449	\$0.24265	\$0.22047	\$0.24046	\$0.19444	\$0.25379	\$0.19420	\$0.30457	\$0.26594
12	\$0.35463	\$0.30791	\$0.27525	\$0.26991	\$0.24265	\$0.22608	\$0.24199	\$0.19444	\$0.24664	\$0.18347	\$0.29796	\$0.26136
13	\$0.35463	\$0.29717	\$0.27934	\$0.26277	\$0.24265	\$0.22302	\$0.23944	\$0.20565	\$0.23439	\$0.18347	\$0.28880	\$0.26136
14	\$0.35463	\$0.30228	\$0.28547	\$0.26277	\$0.24877	\$0.21110	\$0.23944	\$0.20973	\$0.23183	\$0.18347	\$0.27455	\$0.26848
15	\$0.41598	\$0.30382	\$0.29723	\$0.26277	\$0.24877	\$0.19903	\$0.23944	\$0.20769	\$0.23183	\$0.19573	\$0.27659	\$0.26848
16	\$0.43286	\$0.30330	\$0.28854	\$0.24930	\$0.23552	\$0.19903	\$0.23944	\$0.20667	\$0.23183	\$0.20798	\$0.27353	\$0.26848
17	\$0.44513	\$0.30330	\$0.28854	\$0.25360	\$0.23774	\$0.19903	\$0.22925	\$0.20718	\$0.24971	\$0.21819	\$0.27353	\$0.27663
18	\$0.42825	\$0.30330	\$0.28854	\$0.24698	\$0.24571	\$0.23372	\$0.23078	\$0.20718	\$0.24460	\$0.20849	\$0.27353	\$0.27052
19	\$0.42570	\$0.30330	\$0.28905	\$0.23422	\$0.24571	\$0.22862	\$0.22976	\$0.20718	\$0.24256	\$0.18245	\$0.26438	\$0.25882
20	\$0.42570	\$0.31046	\$0.29161	\$0.23422	\$0.24571	\$0.22862	\$0.21447	\$0.21228	\$0.22775	\$0.18245	\$0.26183	\$0.25526
21	\$0.42570	\$0.30126	\$0.28547	\$0.23422	\$0.25539	\$0.21232	\$0.21447	\$0.21839	\$0.20886	\$0.18245	\$0.26845	\$0.25526
22	\$0.42570	\$0.30739	\$0.28343	\$0.23422	\$0.24112	\$0.19448	\$0.21447	\$0.21228	\$0.20886	\$0.21002	\$0.26539	\$0.25526
23	\$0.39247	\$0.31506	\$0.27372	\$0.22919	\$0.23042	\$0.19448	\$0.20988	\$0.19853	\$0.20886	\$0.22534	\$0.26438	\$0.25526
24	\$0.42059	\$0.31506	\$0.27372	\$0.22567	\$0.22991	\$0.19448	\$0.21192	\$0.18798	\$0.20324	\$0.25087	\$0.26438	\$0.24304
25	\$0.41138	\$0.31506	\$0.27372	\$0.22812	\$0.23399	\$0.21130	\$0.20683	\$0.18798	\$0.20681	\$0.23913	\$0.26438	\$0.23846
26	\$0.41803	\$0.35545	\$0.27832	\$0.22710	\$0.23399	\$0.21639	\$0.21396	\$0.18798	\$0.20579	\$0.22739	\$0.25776	\$0.23846
27	\$0.41803	\$0.38101	\$0.27218	\$0.23984	\$0.23399	\$0.21741	\$0.20326	\$0.20054	\$0.19967	\$0.22739	\$0.24301	\$0.24101
28	\$0.41803	\$0.36261	\$0.26298	\$0.23984	\$0.23399	\$0.21690	\$0.20326	\$0.19597	\$0.17873	\$0.22739	\$0.24301	\$0.22727
29	\$0.63224		\$0.26758	\$0.23984	\$0.24367	\$0.21690	\$0.20326	\$0.20769	\$0.17873	\$0.27947	\$0.24301	\$0.22727
30	\$0.75852		\$0.26758	\$0.25105	\$0.25233	\$0.21690	\$0.20988	\$0.20667	\$0.17873	\$0.27998	\$0.24301	\$0.22727
31	\$0.77386		\$0.26758		\$0.24367		\$0.21345	\$0.20667		\$0.28458		\$0.23897
Average	\$0.42052	\$0.31466	\$0.35860	\$0.25163	\$0.24294	\$0.21607	\$0.21753	\$0.20305	\$0.21844	\$0.20661	\$0.27540	\$0.25732



## Iowa





#### **Supplemental Information**

Gas: Capital Investment Charge: Iowa Rider CIC

Iowa										
		70, 70M, 70T, MVF, LVF, INT, ST		87, 87T,						
Effective Billing	60 &	MT, LT, STM, MTM &	90, 90T &	SGS &						
Date	SVF-Residential	SVF-Non-Residential	LGT	SGT						
June 22, 2023	\$0.00	\$0.00	\$0.00	\$0.00						
March 31, 2023	\$0.71	\$2.39	\$902.79	\$6.24						
April 1, 2022	\$0.73	\$2.46	\$952.31	\$6.71						
October 29, 2021	\$0.69	\$2.32	\$924.09	\$6.90						
April 2, 2020	\$0.63	\$2.13	\$837.12	\$5.87						
May 1, 2019	\$0.52	\$1.75	\$526.02	\$4.83						
July 31, 2018	\$1.02	\$3.45	\$1,226.60	\$8.25						
April 3, 2017	\$0.32	\$1.08	\$390.60	\$2.43						
April 20, 2016	\$0.12	\$0.39	\$144.32	\$0.82						





# **Energy Efficiency**

**lowa – East and West** 



#### **Supplemental Information**

	Iowa - East System - Rider 8								
	(\$/Therm)								
Effective Billing Date	Residential Rate 60	Non-Residential Rates 70, 87 & 90							
May 31, 2023	\$0.01156	\$0.00168							
June 1, 2022	\$0.01216	\$0.00358							
June 2, 2021	\$0.01106	\$0.00323							
June 2, 2020	\$0.00604	\$(0.00284)							
May 31, 2019	\$0.00243	\$(0.01766)							
May 31, 2018	\$0.06886	\$0.03521							
June 1, 2017	\$0.07766	\$0.04222							
June 2, 2016	\$0.07315	\$0.03580							
June 3, 2015	\$0.05018	\$0.02595							
June 2, 2014	\$0.03908	\$0.02636							
May 31, 2013	\$0.05574	\$0.02660							
May 31, 2012	\$0.05397	\$0.03125							
June 2, 2011	\$0.04395	\$0.01954							
June 3, 2010	\$0.04239	\$0.02441							
Continued next page		'							



#### **Supplemental Information**

	Iowa - East System - Rider 8									
	(\$/T	herm)								
Effective Billing Date	Residential Rate 60	Non-Residential Rates 70, 87 & 90								
June 3, 2009	\$0.03001	\$0.00914								
January 2, 2009	\$0.04138	\$0.01895								
June 1, 2008	\$0.02466	\$0.01586								
June 1, 2007	\$0.03844	\$0.01185								
June 1, 2006	\$0.05741	\$0.01288								
June 2, 2005	\$0.03426	\$0.00770								
June 1, 2004	\$0.02659	\$0.00780								
June 2, 2003	\$0.02029	\$0.00767								
June 1, 2002	\$0.02985	\$0.00321								
January 1, 2002	\$0.01030	\$0.00102								
June 1, 2001	\$0.02812	\$0.00479								
June 1, 2000	\$0.03658	\$0.00492								
August 1, 1999	\$0.03218	\$0.00456								
April 30, 1998	\$0.03732	\$0.00786								
September 29, 1997	\$0.04813	\$0.01097								
October 29, 1996	\$0.01560	\$0.00500								
January 1996	\$0.01510	\$0.00390								



#### **Supplemental Information**

	Iowa - West System - Rider 3										
		Fir	m (\$/Therm	)		Interru (\$/Th	ptible* ierm)				
	Small \	Small Volume			Seasonal						
	Non-		Medium	Large	General	Small	Large				
<b>Effective Billing Date</b>	Residential	Residential	Volume	Volume	Service	Volume	Volume				
May 31, 2023	\$0.01156	\$0.00168	\$0.00168	\$0.00168	\$0.00168	\$0.0	0168				
June 1, 2022	\$0.01216	\$0.00358	\$0.00358	\$0.00358	\$0.00358	\$0.0	0358				
June 2, 2021	\$0.01106	\$0.00323	\$0.00323	\$0.00323	\$0.00323	\$0.0	0323				
June 2, 2020	\$0.00604	\$(0.00284)	\$(0.00284)	\$(0.00284)	\$(0.00284)	\$(0.0	0284)				
May 31, 2019	\$0.00243	\$(0.01766)	\$(0.01766)	\$(0.01766)	\$(0.01766)	\$(0.0	1766)				
May 31, 2018	\$0.06886	\$0.03521	\$0.03521	\$0.03521	\$0.03521	\$0.0	3521				
June 1, 2017	\$0.07766	\$0.04222	\$0.04222	\$0.04222	\$0.04222	\$0.0	4222				
June 2, 2016	\$0.07315	\$0.03580	\$0.03580	\$0.03580	\$0.03580	\$0.0	3580				
June 3, 2015	\$0.05018	\$0.02595	\$0.02595	\$0.02595	\$0.02595	\$0.0	2595				
June 2, 2014	\$0.03908	\$0.02636	\$0.02636	\$0.02636	\$0.02636	\$0.0	2636				
May 31, 2013	\$0.05574	\$0.02660	\$0.02660	\$0.02660	\$0.02660	\$0.0	2660				
May 31, 2012	\$0.05397	\$0.03125	\$0.03125	\$0.03125	\$0.03125	\$0.0	3125				
Continued next page	·	<u>-</u>	·	<u>-</u>	<u>-</u>						



#### **Supplemental Information**

Iowa - West System - Rider 3									
		Firm	(\$/Therm	)		Interruptible* (\$/Therm)			
	Small \	/olume			Seasonal				
		Non-	Medium	Large	General	Small	Large		
Effective Billing Date	Residential	Residential	Volume	Volume	Service	Volume	Volume		
June 2, 2011	\$0.04395	\$0.01954	\$0.01954	\$0.01954	\$0.01954	\$0.01	.954		
June 3, 2010	\$0.04239	\$0.02441	\$0.02441	\$0.02441	\$0.02441	\$0.02	441		
June 3, 2009	\$0.03001	\$0.00914	\$0.00914	\$0.00914	\$0.00914	\$0.00	914		
January 2, 2009	\$0.04138	\$0.01895	\$0.01895	\$0.01895	\$0.01895	\$0.01	.895		
June 1, 2008	\$0.02466	\$0.01586	\$0.01586	\$0.01586	\$0.01586	\$0.01	.586		
June 1, 2007	\$0.03844	\$0.01185	\$0.01185	\$0.01185	\$0.01185	\$0.01	.185		
June 1, 2006	\$0.05741	\$0.01288	\$0.01288	\$0.01288	\$0.01288	\$0.01	.288		
June 2, 2005	\$0.03426	\$0.00770	\$0.00770	\$0.00770	\$0.00770	\$0.00	770		
November 1, 2004*	\$0.02659	\$0.00780	\$0.00780	\$0.00780	\$0.00780	\$0.00	780		
June 1, 2004	\$0.02659	\$0.00780	\$0.00780	\$0.00780	\$0.00780	\$0.00780	\$0.00780		
June 2, 2003	\$0.02029	\$0.00767	\$0.00767	\$0.00767	\$0.00767	\$0.00767	\$0.00767		
November 25, 2002	\$0.02985	\$0.00321	\$0.00321	\$0.00321	\$0.00321	\$0.00321	\$0.00321		
June 1, 2002	\$0.02985	\$0.00321	\$0.00321	\$0.00321		\$0.00321	\$0.00321		
January 1, 2002	\$0.01030	\$0.00102	\$0.00102	\$0.00102		\$0.00102	\$0.00102		
June 1, 2001	\$0.02417	\$0.00691	\$0.00691	\$0.00691		\$0.00691	\$0.00691		
June 1, 2000	\$0.02491	\$0.00656	\$0.00656	\$0.00656		\$0.00656	\$0.00656		
Continued next page									



#### **Supplemental Information**

Gas: Energy Efficiency Cost Recovery: Iowa Rider EECR

Iowa – West System – Rider 3									
		Firm (\$/Therm)							
Effective Billing Date	Small Volume		Medium Volume	Large Volume	Seasonal General Service	Small Volume	Large Volume		
June 1, 1999	\$0.02305	\$0.00585	\$0.00585	\$0.00585		\$0.00585	\$0.00585		
February 1, 1999	\$0.01607	\$0.00406	\$0.00406	\$0.00406		\$0.00406	\$0.00406		
April 30, 1998	\$0.01918	\$0.00717	\$0.00521	\$0.00386		\$0.00486	\$0.00524		
September 29, 1997	\$0.02545	\$0.00992	\$0.00798	\$0.00557		\$0.00689			
April 10, 1997	\$0.00363	\$0.00363	\$0.00163	\$(0.00067)		\$0.00118	\$0.00180		
April 24, 1996	\$0.00403	\$0.00403	\$0.00226	\$0.00214		\$0.00097	\$000152		
January 1995	\$0.00373	\$0.00373	\$0.00238	\$0.00232		\$0.00124	\$0.00124		

The customers' EECR rate is determined by the rate the customer moved from to transport.

<sup>\*</sup>The small and large volume interruptible rates were eliminated on November 1, 2004, and replaced with an interruptible rate for customers that cannot currently be provided firm service due to operational constraints on interstate pipeline or interstate pipeline facilities directly serving MidAmerican's distribution system.



#### **Supplemental Information**

**Gas: Tax Expense Revision Mechanism: Iowa Clause TERM** 

	Iowa									
		(\$/Therm)								
		SVF, 70,								
<b>-</b> 66		70M, LVF,								
Effective	60 675	MTM, MVF,	00	07.666	70T, MT,	90T, LGT,	077 667			
Billing Date	60, SVF	STM, INT	90	87, SGS	ST, LT	95*, CPS*	87T, SGT			
June 22, 2023	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000			
March 31, 2023	\$(0.01231)	\$(0.00519)	\$(0.00519)	\$(0.00290)	\$(0.00193)	\$(0.00149)	\$(0.00241)			
April 1, 2022	\$(0.02186)	\$(0.00864)	\$(0.00864)	\$(0.00111)	\$(0.00261)	\$(0.00195)	\$(0.00329)			
May 3, 2021	\$(0.03552)	\$(0.01484)	\$(0.01484)	\$(0.01108)	\$(0.00499)	\$(0.00335)	\$(0.00524)			
April 2, 2020	\$(0.01373)	\$(0.00578)	\$(0.00578)	\$(0.00141)	\$(0.00197)	\$(0.00135)	\$(0.00201)			
April 2, 2019	\$(0.01899)	\$(0.00839)	\$(0.00839)	\$(0.00385)	\$(0.00301)	\$(0.00181)	\$(0.00412)			
May 1, 2018	\$(0.01762)	\$(0.00716)	\$(0.00716)	\$(0.00295)	\$(0.00251)	\$(0.00162)	\$(0.00233)			

<sup>\*</sup>Depending on the terms of each individual contract



# Illinois



#### **Supplemental Information**

**Gas: Energy Efficiency Cost Recovery Adjustment: Illinois Rider EECR** 

Illinois							
	(\$/Therm)						
Effective Billing Date	Residential Rate RV	Non-Residential Rates SV, MV, LV					
April 1, 2024	\$0.00064	\$(0.00383)					
December 29, 2023	\$0.00948	\$0.00423					
March 31, 2023	\$0.00386	\$0.00581					
December 30, 2022	\$0.01103	\$0.00806					
April 1, 2022	\$0.00379	\$0.00275					
December 31, 2021	\$0.01064	\$0.00752					
April 2, 2021	\$0.00967	\$(0.00088)					
December 31, 2020	\$0.01078	\$0.00756					
April 2, 2020	\$(0.00600)	\$(0.00222)					
December 31, 2019	\$0.01072	\$0.00753					
April 2, 2019	(\$0.03929)	\$0.00000					
January 2, 2019	\$0.02577	\$0.01680					
April 2, 2018	\$0.03371	\$0.01405					
January 2, 2018	\$0.05653	\$0.03343					
April 3, 2017	\$0.04962	\$0.02707					
January 3, 2017	\$0.05555	\$0.03167					
Continued next page							



#### **Supplemental Information**

Gas: Energy Efficiency Cost Recovery Adjustment: Illinois Rider EECR

Illinois								
	(\$/Therm)							
Effective Billing Date	Residential Rate RV	Non-Residential Rates SV, MV, LV						
April 4, 2016	\$0.04688	\$0.01334						
January 1, 2016	\$0.05529	\$0.03274						
April 3, 2015	\$0.01563	(\$0.00336)						
January 2, 2015	\$0.05429	\$0.03146						
April 2, 2014	\$0.04778	\$0.03460						
January 2, 2014	\$0.05237	\$0.03152						
April 2, 2013	\$0.00996	\$0.00760						
February 1, 2013	\$0.01364	\$0.00905						
April 2, 2012	\$0.01995	\$0.00138						
January 3, 2012	\$0.02682	\$0.00599						
April 4, 2011	\$0.02410	\$0.03001						
January 3, 2011	\$0.02825	\$0.01120						
April 8, 2010	\$0.02892	\$0.01225						



#### **Supplemental Information**

Gas: Gas Utility Assessment: Illinois Rider GUA

Illinois								
Effective								
Billing Date	RV1, RV2	MVS, MVT, SVS, SVT	LVS, LVT, NGD					
July 31, 2023	\$0.02	\$0.09	\$14.58					
August 1, 2022	\$0.03	\$0.11	\$15.29					
August 2, 2021	\$0.03	\$0.14	\$26.32					
July 30, 2020	\$0.01	\$0.07	\$8.26					
July 31, 2019	\$0.02	\$0.08	\$10.42					
July 31, 2018	\$0.06	\$0.25	\$40.13					





#### **Supplemental Information**

**Gas: Tax Expense Revision Mechanism: Illinois Rider TERM** 

	Illinois							
				(\$/Therm)				
Effective								
Billing Date	RV1, RV2	SVS	MVS	LVS	SVT	MVT	LVT	
April 1, 2024	\$(0.00992)	\$(0.00523)	\$(0.00282)	\$(0.00786)	\$(0.00425)	\$(0.00206)	\$(0.00139)	
March 31, 2023	\$(0.00870)	\$(0.00457)	\$(0.00264)	\$(0.00737)	\$(0.00351)	\$(0.00187)	\$(0.00117)	
April 1, 2022	\$(0.00591)	\$(0.00329)	\$(0.00147)	\$(0.00107)	\$(0.00249)	\$(0.00132)	\$(0.00079)	
April 2, 2021	\$(0.01241)	\$(0.00704)	\$(0.00366)	\$(0.00212)	\$(0.00489)	\$(0.00238)	\$(0.00177)	
April 2, 2020	\$(0.00764)	\$(0.00429)	\$(0.00226)	\$(0.00215)	\$(0.00320)	\$(0.00169)	\$(0.00085)	
April 2, 2019	\$(0.00884)	\$(0.00536)	\$(0.00300)	\$(0.00191)	\$(0.00336)	\$(0.00194)	\$(0.00125)	
April 2, 2018	\$(0.00878)	\$(0.00470)	\$(0.00256)	\$(0.00170)	\$(0.00385)	\$(0.00192)	\$(0.00126)	





# Gas Incremental Uncollectible Adjustment Illinois Only





#### **Supplemental Information**

Gas: Gas Incremental Uncollectible Adjustment: Illinois Rider UAG

Illinois								
Effective Billing Date	Class Designation by Service Type	Rates	IDUA Factor (Monthly Delivery Charge)	ISUA Factor (Monthly Supply Charge)	Total Monthly Adjustment			
May 31, 2023	Residential	RV1, RV2	\$ (0.01)	\$ (0.05)	\$ (0.06)			
	Non- Residential	SVS, MVS, LVS, SVT, MVT, LVT	\$ (0.01)	\$ (0.18)	\$ (0.19)			
	Non- Residential -	CVT MVT LVT	t (0.01)					
	Delivery Only	SVT, MVT, LVT	\$ (0.01)	-	\$ (0.01)			

Note: This rider is not applicable to Rate NGD



#### **Supplemental Information**

Gas: Gas Incremental Uncollectible Adjustment: Illinois Rider UAG

	Illinois									
Effective Billing Date	Class Designation by Service Type	Rates	IDUA Factor (Monthly Delivery Charge)	ISUA Factor (Monthly Supply Charge)	Total Monthly Adjustment					
June 1, 2022	Residential	RV1, RV2	\$ 0.05	\$ (0.07)	\$ (0.02)					
	Non- Residential	SVS, MVS, LVS	\$ 0.16	\$ (0.25)	\$ (0.09)					
	Non- Residential – Delivery Only	SVT, MVT, LVT	\$ 0.16	-	\$ 0.16					

Note: This rider is not applicable to Rate NGD





#### **Supplemental Information**

Gas: Gas Incremental Uncollectible Adjustment: Illinois Rider UAG

	Illinois									
Effective Billing Date	Class Designation by Service Type	Rates	IDUA Factor (Monthly Delivery Charge)	ISUA Factor (Monthly Supply Charge)	Total Monthly Adjustment					
June 2, 2021	Residential	RV1, RV2	\$ 0.08	\$ (0.18)	\$ (0.10)					
	Non- Residential	SVS, MVS, LVS	\$ 0.25	\$ (0.61)	\$ (0.36)					
	Non-									
	Residential -	CVT MVT IVT	ф O 2E		¢ 0.25					
	Delivery Only	SVT, MVT, LVT	\$ 0.25	<del>-</del>	\$ 0.25					

Note: This rider is not applicable to Rate NGD



## **South Dakota**



#### **Supplemental Information**

Gas: Energy Efficiency Cost Recovery: South Dakota Clause EECR

South Dakota							
	(\$/Therm)						
Effective Billing Date	Residential  After 7/1/15 SVS & MVS  Before 7/1/15 SVF & MVF	Non Residential  After 7/1/15 SVS, MVS, LVS, SVI,  LVI, SSS, LSS, CPS, STM & MTM  Before 7/1/15 SVF, MVF, LVF, SVI,  LVI, SSS, LSS, MMT & MMT  Interruptible					
December 31, 2020	\$0.00000	\$0.00000					
July 30, 2020	\$0.00785	(\$0.00117)					
May 1, 2020	\$0.00000	\$0.00000					
January 31, 2020	\$0.00825	\$0.00000					
May 31, 2019	\$0.00825	\$0.00116					
July 31, 2018	(\$0.01161)	\$0.00207					
March 2, 2018	\$0.00000	\$0.00000					
April 3, 2017	\$0.04222	(\$0.00440)					
April 4, 2016	(\$0.01321)	\$0.01113					
April 3, 2015	\$0.04151	(\$0.00741)					
May 1, 2014	\$0.00677	\$0.01387					
April 2, 2013	\$0.03336	\$0.00517					
April 2, 2012	\$0.01798	\$0.00385					
April 4, 2011	\$0.00615	\$0.00006					
April 5, 2010	\$0.03018	\$0.00386					
May 1, 2009	\$0.02000	\$0.00600					





#### **Supplemental Information**

**Gas: Tax Expense Refund Mechanism: South Dakota Clause TERM** 

South Dakota								
		(\$/Therm)						
Effective Billing Date	SVS, SVI, SSS, STM	MVS, MTM	LVS, LVI, LSS	SVT, MVT	LVT			
September 29, 2020	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000			
August 28, 2020	\$(0.02950)	\$0.00000	\$0.00000	\$0.00000	\$0.00000			
June 2, 2020	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000			
May 1, 2020	\$0.09398	\$0.01070	\$0.00000	\$0.00000	\$(0.00649)			
December 31, 2019	\$0.00000	\$0.00000	\$0.00000	\$0.00000	\$0.00000			
July 1, 2019	\$(0.11218)	\$(0.03453)	\$(0.01292)	\$(0.02543)	\$(0.00865)			





# **Gas Transportation**





# **Exit Fees**





## **Exit Fees**

# **East and West Systems**



#### **Supplemental Information**

**Gas: Exit Fees** 

Gas Transportation Rates – System Exit Fees 2024

Iowa (East & West Systems) - Rider 2 (PDR)						
	Pipeline Demand Rider (PDR)					
		L				
		Demand Charge				
	70, 87, 90,	per				
	SGS,	Contract	Commodity			
	SVF & MVF	Demand	Charge	SVI & LVI		
Effective Billing Month	(\$/Therm)	(\$/Therm)	(\$/Therm)	(\$/Therm)		
May 2024	0.13165	0.98104	0.00000	0.00000		
April 2024	0.13165	0.98104	0.00000	0.00000		
March 2024	0.13165	0.98104	0.00000	0.00000		
February 2024	0.13165	0.98104	0.00000	0.00000		
January 2024	0.13165	0.98104	0.00000	0.00000		



#### **Supplemental Information**

**Gas: Exit Fees** 

**Gas Transportation Rates – System Exit Fees 2023** 

Iowa (East & West Systems) - Rider 2 (PDR)						
	Pipeline Demand Rider (PDR)					
		L				
	70, 87, 90,	Demand Charge per				
Effective Billing Month	SGS, SVF & MVF (\$/Therm)	Contract Demand (\$/Therm)	Commodity Charge (\$/Therm)	SVI & LVI (\$/Therm)		
December 2023	0.13165	0.98104	0.00000	0.00000		
November 2023	0.13165	0.98104	0.00000	0.00000		
October 2023	0.13461	0.98104	0.00000	0.00000		
September 2023	0.14033	1.03258	0.00000	0.00000		
August 2023	0.14197	1.03258	0.00000	0.00000		
July 2023	0.14197	1.03258	0.00000	0.00000		
June 2023	0.14197	1.03258	0.00000	0.00000		
May 2023	0.14470	1.05563	0.00000	0.00000		
April 2023	0.14470	1.05563	0.00000	0.00000		
March 2023	0.14470	1.05563	0.00000	0.00000		
February 2023	0.14470	1.05563	0.00000	0.00000		
January 2023	0.14470	1.05563	0.00000	0.00000		



## **Supplemental Information**

**Gas: Exit Fees** 

Iowa (East & West Systems) - Rider 2 (PDR)						
	Pipeline Demand Rider (PDR)					
		L	VF			
	70, 87, 90,	Demand Charge per				
Effective Billing Month	SGS, SVF & MVF (\$/Therm)	Contract Demand (\$/Therm)	Commodity Charge (\$/Therm)	SVI & LVI (\$/Therm)		
December 2022	0.15419	1.15408	0.00000	0.00000		
November 2022	0.15419	1.15408	0.00000	0.00000		
October 2022	0.11324	0.86048	0.00000	0.00000		
September 2022	0.11324	0.86048	0.00000	0.00000		
August 2022	0.11932	0.86691	0.00000	0.00000		
July 2022	0.11932	0.86691	0.00000	0.00000		
June 2022	0.11932	0.86691	0.00000	0.00000		
May 2022	0.11932	0.86691	0.00000	0.00000		
April 2022	0.11932	0.86691	0.00000	0.00000		
March 2022	0.11932	0.86691	0.00000	0.00000		
February 2022	0.11932	0.86691	0.00000	0.00000		
January 2022	0.11932	0.86691	0.00000	0.00000		



#### **Supplemental Information**

**Gas: Exit Fees** 

Iowa (East & West Systems) - Rider 2 (PDR)				
		Pipeline Demand	d Rider (PDR)	
		LV	F	
		Demand		
	70, 87, 90,	Charge per		
	SGS,	Contract	Commodity	
Effective Billing	SVF & MVF	Demand	Charge	SVI & LVI
Month	(\$/Therm)	(\$/Therm)	(\$/Therm)	(\$/Therm)
January 2021	0.10914	0.82518	0.00000	0.00000
February 2021	0.10914	0.82518	0.00000	0.00000
March 2021	0.10914	0.82518	0.00000	0.00000
April 2021	0.10914	0.82518	0.00000	0.00000
May 2021	0.10914	0.82518	0.00000	0.00000
June 2021	0.10914	0.82518	0.00000	0.00000
July 2021	0.10914	0.82518	0.00000	0.00000
August 2021	0.10914	0.82518	0.00000	0.00000
September 2021	0.11144	0.82518	0.00000	0.00000
October 2021	0.11144	0.82518	0.00000	0.00000
November 2021	0.11932	0.86691	0.00000	0.00000
December 2021	0.11932	0.86691	0.00000	0.00000



#### **Supplemental Information**

**Gas: Exit Fees** 

Iowa (East & West Systems) - Rider 2 (PDR)				
		Pipeline Demand	d Rider (PDR)	
		LV	F	
		Demand		
	70, 87, 90,	Charge per		
	SGS,	Contract	Commodity	
Effective Date	SVF & MVF	Demand	Charge	SVI & LVI
(Month/Year)	(\$/Therm)	(\$/Therm)	(\$/Therm)	(\$/Therm)
January 2020	0.12149	0.91739	0.00000	0.00000
February 2020	0.11776	0.88849	0.00000	0.00000
March 2020	0.11776	0.88849	0.00000	0.00000
April 2020	0.11776	0.88849	0.00000	0.00000
May 2020	0.11776	0.88849	0.00000	0.00000
June 2020	0.11321	0.86130	0.00000	0.00000
July 2020	0.11321	0.86130	0.00000	0.00000
August 2020	0.11321	0.86130	0.00000	0.00000
September 2020	0.11390	0.86130	0.00000	0.00000
October 2020	0.11016	0.82518	0.00000	0.00000
November 2020	0.10914	0.82518	0.00000	0.00000
December 2020	0.10914	0.82518	0.00000	0.00000



#### **Supplemental Information**

**Gas: Exit Fees** 

Iowa (East & West Systems) - Rider 2 (PDR)				
		Pipeline Demand	d Rider (PDR)	
		LV	F	
		Demand		
	70, 87, 90,	Charge per		
	SGS,	Contract	Commodity	
Effective Date	SVF & MVF	Demand	Charge	SVI & LVI
(Month/Year)	(\$/Therm)	(\$/Therm)	(\$/Therm)	(\$/Therm)
January 2019	.09476	.73768	.00000	.00000
February 2019	.09476	.73768	.00000	.00000
March 2019	.09476	.74043	.00000	.00000
April 2019	.09476	.74043	.00000	.00000
May 2019	.09476	.74043	.00000	.00000
June 2019	.09476	.74043	.00000	.00000
July 2019	.09476	.74043	.00000	.00000
August 2019	.09476	.74043	.00000	.00000
September 2019	.09400	.74043	.00000	.00000
October 2019	.09400	.74043	.00000	.00000
November 2019	.12149	.91739	.00000	.00000
December 2019	.12149	.91739	.00000	.00000



# **Exit Fees**

**Nebraska** 



## **Supplemental Information**

**Gas: Exit Fees** 

Nebraska – Rider 2 (PDR)					
	Pipeline	<b>Demand Ride</b>	er (PDR)		
		LVF per			
		Contract			
	SVF & MVF Demand SVI & L				
Effective Billing Month	(\$/Therm)	(\$/Therm)	(\$/Therm)		
May 2024	0.14945	1.05563	None		
April 2024	0.14945	1.05563	None		
March 2024	0.14945	1.05563	None		
February 2024	0.14945	1.05563	None		
January 2024	0.14945	1.05563	None		



#### **Supplemental Information**

**Gas: Exit Fees** 

Nebraska – Rider 2 (PDR)				
	Pipeline Demand Rider (PDR)			
		LVF per		
		Contract		
	SVF & MVF	Demand	SVI & LVI	
Effective Billing Month	(\$/Therm)	(\$/Therm)	(\$/Therm)	
December 2023	0.14945	1.05563	None	
November 2023	0.14945	0.13037	None	
October 2023	0.15163	1.05563	None	
September 2023	0.15163	0.98104	None	
August 2023	0.10605	1.05563	None	
July 2023	0.10605	1.05563	None	
June 2023	0.10605	1.05563	None	
May 2023	0.10808	1.05563	None	
April 2023	0.10808	1.05563	None	
March 2023	0.10808	1.05563	None	
February 2023	0.10808	1.05563	None	
January 2023	0.10808	1.05563	None	



#### **Supplemental Information**

**Gas: Exit Fees** 

Nebraska – Rider 2 (PDR)				
	Pipeline Demand Rider (PDR)			
		LVF per		
		Contract		
	SVF & MVF	Demand	SVI & LVI	
Effective Billing Month	(\$/Therm)	(\$/Therm)	(\$/Therm)	
December 2022	0.11518	1.15408	None	
November 2022	0.11518	1.15408	None	
October 2022	0.08363	0.86048	None	
September 2022	0.12571	0.86048	None	
August 2022	0.11042	0.86691	None	
July 2022	0.11042	0.86691	None	
June 2022	0.11042	0.86691	None	
May 2022	0.11042	0.86691	None	
April 2022	0.11042	0.86691	None	
March 2022	0.11042	0.86691	None	
February 2022	0.11042	0.86691	None	
January 2022	0.11042	0.86691	None	



#### **Supplemental Information**

**Gas: Exit Fees** 

Nebraska – Rider 2 (PDR)				
	Pipelir	ne Demand Rider	(PDR)	
		LVF per		
		Contract		
Effective Billing	SVF & MVF	Demand	SVI & LVI	
Month	(\$/Therm)	(\$/Therm)	(\$/Therm)	
January 2021	0.08026	0.82518	None	
February 2021	0.08026	0.82518	None	
March 2021	0.08026	0.82518	None	
April 2021	0.08026	0.82518	None	
May 2021	0.08026	0.82518	None	
June 2021	0.08026	0.82518	None	
July 2021	0.08026	0.82518	None	
August 2021	0.08026	0.82518	None	
September 2021	0.08121	0.82518	None	
October 2021	0.08121	0.82518	None	
November 2021	0.11042	0.86691	None	
December 2021	0.11042	0.86691	None	



**Supplemental Information** 

**Gas: Exit Fees** 

Nebraska – Rider 2 (PDR)				
	Pipelir	ne Demand Rider	(PDR)	
		LVF per		
		Contract		
Effective Date	SVF & MVF	Demand	SVI & LVI	
(Month/Year)	(\$/Therm)	(\$/Therm)	(\$/Therm)	
January 2020	0.11630	0.91739	None	
February 2020	0.11271	0.88849	None	
March 2020	0.11271	0.88849	None	
April 2020	0.11271	0.88849	None	
May 2020	0.11271	0.88849	None	
June 2020	0.10837	0.86130	None	
July 2020	0.10837	0.86130	None	
August 2020	0.10837	0.86130	None	
September 2020	0.10022	0.86130	None	
October 2020	0.09692	0.82518	None	
November 2020	0.08209	0.82518	None	
December 2020	0.08209	0.82518	None	



**Supplemental Information** 

**Gas: Exit Fees** 

Nebraska – Rider 2 (PDR)				
	Pipelir	ne Demand Rider	(PDR)	
		LVF per		
		Contract		
Effective Date	SVF & MVF	Demand	SVI & LVI	
(Month/Year)	(\$/Therm)	(\$/Therm)	(\$/Therm)	
January 2019	.09133	.73768	None	
February 2019	.09133	.73768	None	
March 2019	.09133	.74043	None	
April 2019	.09133	.74043	None	
May 2019	.09133	.74043	None	
June 2019	.09133	.74043	None	
July 2019	.09133	.74043	None	
August 2019	.09133	.74043	None	
September 2019	.09357	.74043	None	
October 2019	.09532	.74043	None	
November 2019	.11630	.91739	None	
December 2019	.11630	.91739	None	





# **Exit Fees**

**South Dakota** 





#### **Supplemental Information**

**Gas: Exit Fees** 

South Dakota – Rider PDR					
	Pipeline Demand Rider (PDR)				
	SVS, MVS, LVS, SSS, LSS and CPS SVI & LVI				
Effective Billing Month	(\$/Therm)	(\$/Therm)			
May 2024	0.13877	None			
April 2024	0.13877	None			
March 2024	0.13877	None			
February 2024	0.13877	None			
January 2024	0.13877	None			



#### **Supplemental Information**

**Gas: Exit Fees** 

South Dakota - Rider PDR				
	Pipeline Demand Rider (PDR)			
	SVS, MVS, LVS,			
	SSS, LSS and CPS	SVI & LVI		
Effective Billing Month	(\$/Therm)	(\$/Therm)		
December 2023	0.13877	None		
November 2023	0.13877	None		
October 2023	0.14060	None		
September 2023	0.14060	None		
August 2023	0.13948	None		
July 2023	0.13948	None		
June 2023	0.13948	None		
May 2023	0.14213	None		
April 2023	0.14213	None		
March 2023	0.14213	None		
February 2023	0.14213	None		
January 2023	0.14213	None		





### **Supplemental Information**

**Gas: Exit Fees** 

South Dakota – Rider PDR				
	Pipeline Demand Rider (PDR)			
	SVS, MVS, LVS,			
	SSS, LSS and CPS	SVI & LVI		
Effective Billing Month	(\$/Therm)	(\$/Therm)		
December 2022	0.15042	None		
November 2022	0.15042	None		
October 2022	0.10982	None		
September 2022	0.10982	None		
August 2022	0.11038	None		
July 2022	0.11038	None		
June 2022	0.11038	None		
May 2022	0.11038	None		
April 2022	0.11038	None		
March 2022	0.11038	None		
February 2022	0.11038	None		
January 2022	0.11038	None		



#### **Supplemental Information**

**Gas: Exit Fees** 

South Dakota – Rider PDR			
	Pipeline Demand Rider (PDR)		
	SVS, MVS, LVS, SSS, LSS		
Effective Billing	and CPS	SVI & LVI	
Month	(\$/Therm)	(\$/Therm)	
January 2021	0.09630	None	
February 2021	0.09630	None	
March 2021	0.09630 None		
April 2021	0.09630 None		
May 2021	0.09630 None		
June 2021	0.09630 None		
July 2021	0.09630	None	
August 2021	0.09630	None	
September 2021	0.10117 None		
October 2021	0.10117 None		
November 2021	0.11038 None		
December 2021	0.11038 None		



**Supplemental Information** 

**Gas: Exit Fees** 

South Dakota – Rider PDR			
	Pipeline Demand Rider (PDR)		
	SVS, MVS, LVS, SSS, LSS		
Effective Date	and CPS	SVI & LVI	
(Month/Year)	(\$/Therm)	(\$/Therm)	
January 2020	0.11708	None	
February 2020	0.11348	None	
March 2020	0.11348 None		
April 2020	0.11348 None		
May 2020	0.11348 None		
June 2020	0.10910 None		
July 2020	0.10910	None	
August 2020	0.10910 None		
September 2020	0.10934 None		
October 2020	0.10575 None		
November 2020	0.09734 None		
December 2020	0.09734 None		



**Supplemental Information** 

**Gas: Exit Fees** 

South Dakota – Rider PDR			
	Pipeline Demand Rider (PDR)		
	SVS, MVS, LVS, SSS, LSS		
Effective Date	and CPS	SVI & LVI	
(Month/Year)	(\$/Therm)	(\$/Therm)	
January 2019	.09354	None	
February 2019	.09354	None	
March 2019	.09354 None		
April 2019	.09354 None		
May 2019	.09354 None		
June 2019	.09354 None		
July 2019	.09354	None	
August 2019	.09354 None		
September 2019	.09060 None		
October 2019	.09060 None		
November 2019	.11708 None		
December 2019	.11708 None		





# **Firm Standby**





**Supplemental Information** 

**Gas: Firm Supply Standby Service** 

Iowa			
Tariff Reference	Pipeline Demand Standby Charge	Commodity Supplied	
See Firm Supply Standby Service, Gas Tariff No. 1, Sheet Nos. WT-22 & E-32a	Applicable Interstate Pipeline Demand Charges	110% of the Gas Daily Price Plus Applicable Interstate Pipeline and Company Transportation and Fuel Charges	





# **Firm Standby**

**Nebraska** 





**Supplemental Information** 

**Gas: Firm Supply Standby Service** 

Nebraska Nebraska			
	Pipeline Demand Standby Charge		
Effective Billing Month	(\$/Therm)	Commodity	
May 2024	1.05563	Refer to Standby Services.	
April 2024	1.05563	Refer to Standby Services.	
March 2024	1.05563	Refer to Standby Services.	
February 2024	1.05563	Refer to Standby Services.	
January 2024	1.05563	Refer to Standby Services.	



**Supplemental Information** 

**Gas: Firm Supply Standby Service** 

Nebraska Nebraska			
	Pipeline Demand Standby Charge		
Effective Billing Month	(\$/Therm)	Commodity	
December 2023	1.05563	Refer to Standby Services.	
November 2023	0.13037	Refer to Standby Services.	
October 2023	1.05563	Refer to Standby Services.	
September 2023	0.98104	Refer to Standby Services.	
August 2023	1.05563	Refer to Standby Services.	
July 2023	1.05563	Refer to Standby Services.	
June 2023	1.05563	Refer to Standby Services.	
May 2023	1.05563	Refer to Standby Services.	
April 2023	1.05563	Refer to Standby Services.	
March 2023	1.05563	Refer to Standby Services.	
February 2023	1.05563	Refer to Standby Services.	
January 2023	1.05563	Refer to Standby Services.	



**Supplemental Information** 

**Gas: Firm Supply Standby Service** 

Nebraska Nebraska			
	Pipeline Demand Standby Charge		
Effective Billing Month	(\$/Therm)	Commodity	
December 2022	1.15408	Refer to Standby Services.	
November 2022	1.15408	Refer to Standby Services.	
October 2022	0.86048	Refer to Standby Services.	
September 2022	0.86048	Refer to Standby Services.	
August 2022	0.86691	Refer to Standby Services.	
July 2022	0.86691	Refer to Standby Services.	
June 2022	0.86691	Refer to Standby Services.	
May 2022	0.86691	Refer to Standby Services.	
April 2022	0.86691	Refer to Standby Services.	
March 2022	0.86691	Refer to Standby Services.	
February 2022	0.86691	Refer to Standby Services.	
January 2022	0.86691	Refer to Standby Services.	



**Supplemental Information** 

**Gas: Firm Supply Standby Service** 

Nebraska		
Effective Billing Month	Pipeline Demand Standby Charge (\$/Therm)	Commodity
January 2021	0.82518	Refer to Standby Services.
February 2021	0.82518	Refer to Standby Services.
March 2021	0.82518	Refer to Standby Services.
April 2021	0.82518	Refer to Standby Services.
May 2021	0.82518	Refer to Standby Services.
June 2021	0.82518	Refer to Standby Services.
July 2021	0.82518	Refer to Standby Services.
August 2021	0.82518	Refer to Standby Services.
September 2021	0.82518	Refer to Standby Services.
October 2021	0.82518	Refer to Standby Services.
November 2021	0.86691	Refer to Standby Services.
December 2021	0.86691	Refer to Standby Services.



**Supplemental Information** 

**Gas: Firm Supply Standby Service** 

Nebraska			
Effective Date (Month/Year)	Pipeline Demand Standby Charge (\$/Therm)	Commodity	
January 2020	0.91739	Refer to Standby Services.	
February 2020	0.88849	Refer to Standby Services.	
March 2020	0.88849	Refer to Standby Services.	
April 2020	0.88849	Refer to Standby Services.	
May 2020	0.88849	Refer to Standby Services.	
June 2020	0.86130	Refer to Standby Services.	
July 2020	0.86130	Refer to Standby Services.	
August 2020	0.86130	Refer to Standby Services.	
September 2020	0.86130	Refer to Standby Services.	
October 2020	0.82518	Refer to Standby Services.	
November 2020	0.82518	Refer to Standby Services.	
December 2020	0.82518	Refer to Standby Services.	



**Supplemental Information** 

**Gas: Firm Supply Standby Service** 

Nebraska		
Effective Date (Month/Year)	Pipeline Demand Standby Charge (\$/Therm)	Commodity
January 2019	.73768	Refer to Standby Services.
February 2019	.73768	Refer to Standby Services.
March 2019	.74043	Refer to Standby Services.
April 2019	.74043	Refer to Standby Services.
May 2019	.74043	Refer to Standby Services.
June 2019	.74043	Refer to Standby Services.
July 2019	.74043	Refer to Standby Services.
August 2019	.74043	Refer to Standby Services.
September 2019	.74043	Refer to Standby Services.
October 2019	.74043	Refer to Standby Services.
November 2019	.91739	Refer to Standby Services.
December 2019	.91739	Refer to Standby Services.





# **Imbalance Cashout Rates**

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		ripeille	Pipellile	das Pipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
1/1/2024	Long	\$0.21360	\$0.21267	\$0.21130
1/2/2024	Short	\$0.22456	\$0.21360	\$0.26366
1/3/2024	Short	\$0.23480	\$0.22764	\$0.28289
1/4/2024	Short	\$0.25987	\$0.24769	\$0.31022
1/5/2024	Short	\$0.26089	\$0.26219	\$0.31427
1/6/2024	Long	\$0.24519	\$0.23776	\$0.24926
1/7/2024	Short	\$0.25987	\$0.24519	\$0.30212
1/8/2024	Long	\$0.24519	\$0.23776	\$0.24926
1/9/2024	Long	\$0.25722	\$0.25245	\$0.25837
1/10/2024	Long	\$0.30586	\$0.30586	\$0.31201
1/11/2024	Long	\$0.29081	\$0.28895	\$0.29885
1/12/2024	Long	\$0.30034	\$0.27147	\$0.31403
1/13/2024	Long	\$2.59376	\$0.89408	\$3.16416
1/14/2024	Long	\$2.59376	\$0.89408	\$3.16416
1/15/2024	Long	\$2.59376	\$0.89408	\$3.16416
1/16/2024	Long	\$2.59376	\$0.89408	\$3.16416
1/17/2024	Long	\$0.37655	\$0.32940	\$0.44966
1/18/2024	Long	\$0.28931	\$0.24851	\$0.30138
1/19/2024	Long	\$0.30474	\$0.25721	\$0.31808
1/20/2024	Short	\$0.25672	\$0.25672	\$0.32540
1/21/2024	Long	\$0.24642	\$0.23241	\$0.26039
1/22/2024	Short	\$0.25672	\$0.25672	\$0.32540
1/23/2024	Short	\$0.21791	\$0.21325	\$0.26315
1/24/2024	Short	\$0.21689	\$0.20708	\$0.26062
1/25/2024	Short	\$0.23582	\$0.23096	\$0.27884
1/26/2024	Long	\$0.22084	\$0.22316	\$0.22446
1/27/2024	Long	\$0.21159	\$0.21159	\$0.21232
1/28/2024	Short	\$0.22150	\$0.21407	\$0.26417
1/29/2024	Long	\$0.21159	\$0.21159	\$0.21232
1/30/2024	Long	\$0.20242	\$0.20774	\$0.20827
1/31/2024	Long	\$0.19218	\$0.19386	\$0.19207
Average		\$0.55272	\$0.32496	\$0.64901

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
2/1/2024	Long	\$0.18502	\$0.18409	\$0.18651
2/2/2024	Short	\$0.19627	\$0.19053	\$0.24528
2/3/2024	Short	\$0.18604	\$0.17399	\$0.22858
2/4/2024	Short	\$0.18604	\$0.17399	\$0.22858
2/5/2024	Short	\$0.18604	\$0.17399	\$0.22858
2/6/2024	Short	\$0.19883	\$0.19254	\$0.24579
2/7/2024	Long	\$0.17632	\$0.16762	\$0.17841
2/8/2024	Long	\$0.16711	\$0.15634	\$0.16627
2/9/2024	Long	\$0.16095	\$0.15124	\$0.16120
2/10/2024	Short	\$0.18092	\$0.16797	\$0.22150
2/11/2024	Long	\$0.16797	\$0.16302	\$0.16981
2/12/2024	Short	\$0.18092	\$0.16797	\$0.22150
2/13/2024	Short	\$0.17939	\$0.16998	\$0.22909
2/14/2024	Long	\$0.15493	\$0.14451	\$0.15463
2/15/2024	Short	\$0.15841	\$0.14892	\$0.20834
2/16/2024	Short	\$0.15534	\$0.15092	\$0.20986
2/17/2024	Short	\$0.15585	\$0.14691	\$0.19872
2/18/2024	Short	\$0.15585	\$0.14691	\$0.19872
2/19/2024	Short	\$0.15585	\$0.14691	\$0.19872
2/20/2024	Long	\$0.14691	\$0.14143	\$0.14703
2/21/2024	Long	\$0.13688	\$0.13012	\$0.14147
2/22/2024	Long	\$0.14791	\$0.14246	\$0.14754
2/23/2024	Long	\$0.14051	\$0.13835	\$0.14248
2/24/2024	Long	\$0.12362	\$0.12036	\$0.13236
2/25/2024	Short	\$0.13181	\$0.12836	\$0.18455
2/26/2024	Long	\$0.12362	\$0.12036	\$0.13236
2/27/2024	Short	\$0.13488	\$0.13087	\$0.19265
2/28/2024	Short	\$0.14255	\$0.14039	\$0.19771
2/29/2024	Long	\$0.15092	\$0.14760	\$0.15311
Average		\$0.16095	\$0.15375	\$0.18798

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Tipellile	Tipellile	das i ipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
3/1/2024	Long	\$0.14665	\$0.14554	\$0.14299
3/2/2024	Long	\$0.14089	\$0.13783	\$0.13894
3/3/2024	Long	\$0.14089	\$0.13783	\$0.13894
3/4/2024	Long	\$0.14089	\$0.13783	\$0.13894
3/5/2024	Long	\$0.14614	\$0.14400	\$0.14805
3/6/2024	Long	\$0.15432	\$0.15068	\$0.15311
3/7/2024	Short	\$0.16113	\$0.15844	\$0.20249
3/8/2024	Short	\$0.15653	\$0.15042	\$0.19288
3/9/2024	Long	\$0.14741	\$0.14606	\$0.14400
3/10/2024	Long	\$0.14741	\$0.14606	\$0.14400
3/11/2024	Long	\$0.14741	\$0.14606	\$0.14400
3/12/2024	Long	\$0.13789	\$0.13475	\$0.13438
3/13/2024	Long	\$0.12836	\$0.12190	\$0.12679
3/14/2024	Long	\$0.11633	\$0.10670	\$0.11262
3/15/2024	Long	\$0.12435	\$0.12001	\$0.12123
3/16/2024	Short	\$0.13913	\$0.13137	\$0.17263
3/17/2024	Short	\$0.13913	\$0.13137	\$0.17263
3/18/2024	Short	\$0.13913	\$0.13137	\$0.17263
3/19/2024	Long	\$0.14255	\$0.14503	\$0.14299
3/20/2024	Short	\$0.15755	\$0.15493	\$0.19895
3/21/2024	Short	\$0.15448	\$0.15393	\$0.19794
3/22/2024	Short	\$0.14988	\$0.14741	\$0.18782
3/23/2024	Short	\$0.14681	\$0.13746	\$0.18377
3/24/2024	Short	\$0.14681	\$0.13746	\$0.18377
3/25/2024	Long	\$0.13738	\$0.13732	\$0.13742
3/26/2024	Short	\$0.14578	\$0.13787	\$0.18680
3/27/2024	Short	\$0.14885	\$0.14390	\$0.19085
3/28/2024	Long	\$0.12874	\$0.12498	\$0.12730
3/29/2024	Long	\$0.12874	\$0.12498	\$0.12730
3/30/2024	Long	\$0.12874	\$0.12498	\$0.12730
3/31/2024	Long	\$0.12874	\$0.12498	\$0.12730
Average		\$0.14190	\$0.13785	\$0.15551

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
4/1/2024	Long	\$0.12358	\$0.12031	\$0.14511
4/2/2024	Short	\$0.16546	\$0.16546	\$0.17295
4/3/2024	Short	\$0.17148	\$0.17148	\$0.17799
4/4/2024	Short	\$0.18502	\$0.18502	\$0.19364
4/5/2024	Long	\$0.15682	\$0.14181	\$0.15369
4/6/2024	Long	\$0.13841	\$0.11110	\$0.13250
4/7/2024	Long	\$0.13841	\$0.11110	\$0.13250
4/8/2024	Long	\$0.13841	\$0.11110	\$0.13250
4/9/2024	Long	\$0.14352	\$0.13515	\$0.13603
4/10/2024	Long	\$0.14864	\$0.14440	\$0.13906
4/11/2024	Long	\$0.14045	\$0.13310	\$0.13906
4/12/2024	Long	\$0.13125	\$0.11622	\$0.10373
4/13/2024	Long	\$0.11181	\$0.08703	\$0.08910
4/14/2024	Short	\$0.12345	\$0.11582	\$0.10987
4/15/2024	Long	\$0.11181	\$0.08703	\$0.08910
4/16/2024	Long	\$0.11590	\$0.10071	\$0.09566
4/17/2024	Long	\$0.11335	\$0.10431	\$0.10424
4/18/2024	Long	\$0.12153	\$0.11768	\$0.12392
4/19/2024	Long	\$0.12664	\$0.12641	\$0.13553
4/20/2024	Short	\$0.15107	\$0.14089	\$0.14923
4/21/2024	Long	\$0.13943	\$0.13258	\$0.13401
4/22/2024	Long	\$0.13943	\$0.13258	\$0.13401
4/23/2024	Short	\$0.15312	\$0.14641	\$0.15932
4/24/2024	Long	\$0.14557	\$0.13875	\$0.13654
4/25/2024	Long	\$0.12613	\$0.12236	\$0.12140
4/26/2024	Long	\$0.11948	\$0.11511	\$0.11282
4/27/2024	Long	\$0.11590	\$0.11716	\$0.11130
4/28/2024	Long	\$0.11590	\$0.11716	\$0.11130
4/29/2024	Short	\$0.12755	\$0.11783	\$0.12602
4/30/2024	Short	\$0.14442	\$0.13623	\$0.14317
Average		\$0.13613	\$0.12674	\$0.13151

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelille	Pipellile	Gas Pipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
1/1/2023	Long	\$0.31420	\$0.26187	\$0.35003
1/2/2023	Long	\$0.31420	\$0.26187	\$0.35003
1/3/2023	Long	\$0.31420	\$0.26187	\$0.35003
1/4/2023	Long	\$0.33564	\$0.30605	\$0.33887
1/5/2023	Short	\$0.35771	\$0.34469	\$0.38436
1/6/2023	Short	\$0.34161	\$0.33966	\$0.37625
1/7/2023	Short	\$0.33306	\$0.32660	\$0.36307
1/8/2023	Short	\$0.33306	\$0.32660	\$0.36307
1/9/2023	Short	\$0.33306	\$0.32660	\$0.36307
1/10/2023	Long	\$0.34236	\$0.31830	\$0.34597
1/11/2023	Long	\$0.31153	\$0.28034	\$0.31657
1/12/2023	Short	\$0.31999	\$0.31605	\$0.35091
1/13/2023	Short	\$0.33765	\$0.34016	\$0.37118
1/14/2023	Short	\$0.30842	\$0.30600	\$0.33570
1/15/2023	Long	\$0.30263	\$0.28545	\$0.30339
1/16/2023	Long	\$0.30263	\$0.28545	\$0.30339
1/17/2023	Long	\$0.30263	\$0.28545	\$0.30339
1/18/2023	Long	\$0.31303	\$0.28958	\$0.32012
1/19/2023	Long	\$0.29861	\$0.28547	\$0.30694
1/20/2023	Short	\$0.30540	\$0.29495	\$0.33063
1/21/2023	Long	\$0.30112	\$0.29111	\$0.30897
1/22/2023	Short	\$0.30851	\$0.30851	\$0.34026
1/23/2023	Short	\$0.30851	\$0.30851	\$0.34026
1/24/2023	Long	\$0.31118	\$0.30651	\$0.32062
1/25/2023	Short	\$0.32250	\$0.31817	\$0.35293
1/26/2023	Long	\$0.29796	\$0.28188	\$0.30085
1/27/2023	Long	\$0.27044	\$0.23806	\$0.28108
1/28/2023	Long	\$0.39517	\$0.24545	\$0.78091
1/29/2023	Long	\$0.39517	\$0.24545	\$0.78091
1/30/2023	Long	\$0.39517	\$0.24545	\$0.78091
1/31/2023	Long	\$0.31756	\$0.27316	\$0.35712
Average		\$0.32403	\$0.29372	\$0.37974

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
2/1/2023	Long	\$0.27887	\$0.27059	\$0.28514
2/2/2023	Short	\$0.27923	\$0.27203	\$0.38320
2/3/2023	Long	\$0.27799	\$0.25197	\$0.28261
2/4/2023	Long	\$0.23415	\$0.20973	\$0.22989
2/5/2023	Long	\$0.23415	\$0.20973	\$0.22989
2/6/2023	Long	\$0.23415	\$0.20973	\$0.22989
2/7/2023	Long	\$0.21757	\$0.20185	\$0.21772
2/8/2023	Long	\$0.23625	\$0.21980	\$0.24661
2/9/2023	Long	\$0.24470	\$0.22415	\$0.25016
2/10/2023	Long	\$0.23373	\$0.22545	\$0.23901
2/11/2023	Long	\$0.22921	\$0.22391	\$0.22786
2/12/2023	Long	\$0.22921	\$0.22391	\$0.22786
2/13/2023	Long	\$0.22921	\$0.22391	\$0.22786
2/14/2023	Long	\$0.22569	\$0.21797	\$0.22786
2/15/2023	Long	\$0.23515	\$0.22750	\$0.24002
2/16/2023	Short	\$0.24704	\$0.24443	\$0.33251
2/17/2023	Short	\$0.24704	\$0.24597	\$0.33200
2/18/2023	Long	\$0.21556	\$0.21057	\$0.21772
2/19/2023	Long	\$0.21556	\$0.21057	\$0.21772
2/20/2023	Long	\$0.21556	\$0.21057	\$0.21772
2/21/2023	Short	\$0.22290	\$0.21794	\$0.30412
2/22/2023	Short	\$0.21737	\$0.21505	\$0.30970
2/23/2023	Short	\$0.22793	\$0.22058	\$0.32998
2/24/2023	Short	\$0.23246	\$0.22912	\$0.33048
2/25/2023	Long	\$0.22309	\$0.21313	\$0.22279
2/26/2023	Long	\$0.22309	\$0.21313	\$0.22279
2/27/2023	Long	\$0.22309	\$0.21313	\$0.22279
2/28/2023	Long	\$0.23776	\$0.23754	\$0.24104
Average		\$0.23456	\$0.22478	\$0.25882

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
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Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
3/1/2023	Short	\$0.24369	\$0.26056	\$0.31267
3/2/2023	Short	\$0.25818	\$0.26911	\$0.32230
3/3/2023	Long	\$0.26240	\$0.26124	\$0.26537
3/4/2023	Long	\$0.25575	\$0.25042	\$0.26537
3/5/2023	Short	\$0.26170	\$0.27185	\$0.32939
3/6/2023	Short	\$0.26170	\$0.27185	\$0.32939
3/7/2023	Short	\$0.24520	\$0.25902	\$0.31621
3/8/2023	Short	\$0.25717	\$0.26775	\$0.32686
3/9/2023	Short	\$0.25064	\$0.26569	\$0.32483
3/10/2023	Long	\$0.24329	\$0.24115	\$0.25675
3/11/2023	Long	\$0.23977	\$0.22442	\$0.24966
3/12/2023	Short	\$0.24360	\$0.24851	\$0.31926
3/13/2023	Long	\$0.23977	\$0.22442	\$0.24966
3/14/2023	Long	\$0.25575	\$0.24115	\$0.26740
3/15/2023	Long	\$0.24681	\$0.23394	\$0.25219
3/16/2023	Short	\$0.24158	\$0.24181	\$0.30709
3/17/2023	Short	\$0.25224	\$0.25469	\$0.32078
3/18/2023	Short	\$0.23867	\$0.25108	\$0.30557
3/19/2023	Short	\$0.23867	\$0.25108	\$0.30557
3/20/2023	Long	\$0.23373	\$0.22545	\$0.24053
3/21/2023	Long	\$0.21412	\$0.19518	\$0.22025
3/22/2023	Long	\$0.19903	\$0.15875	\$0.20200
3/23/2023	Short	\$0.21996	\$0.22739	\$0.28681
3/24/2023	Short	\$0.21443	\$0.22584	\$0.28529
3/25/2023	Short	\$0.21543	\$0.22945	\$0.28732
3/26/2023	Short	\$0.21543	\$0.22945	\$0.28732
3/27/2023	Short	\$0.21543	\$0.22945	\$0.28732
3/28/2023	Long	\$0.21412	\$0.19672	\$0.21975
3/29/2023	Long	\$0.21010	\$0.19261	\$0.22127
3/30/2023	Long	\$0.19098	\$0.18800	\$0.20200
3/31/2023	Long	\$0.19596	\$0.18913	\$0.19947
Average		\$0.23469	\$0.23475	\$0.27631

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
4/1/2023	Short	\$0.21939	\$0.21023	\$0.22752
4/2/2023	Short	\$0.21939	\$0.21023	\$0.22752
4/3/2023	Short	\$0.21939	\$0.21023	\$0.22752
4/4/2023	Short	\$0.21426	\$0.20714	\$0.22295
4/5/2023	Short	\$0.21682	\$0.21355	\$0.23462
4/6/2023	Short	\$0.22144	\$0.21706	\$0.23817
4/7/2023	Short	\$0.21528	\$0.21023	\$0.21433
4/8/2023	Short	\$0.21528	\$0.21023	\$0.21433
4/9/2023	Short	\$0.21528	\$0.21023	\$0.21433
4/10/2023	Long	\$0.20183	\$0.19240	\$0.19908
4/11/2023	Long	\$0.19295	\$0.18850	\$0.18590
4/12/2023	Long	\$0.18943	\$0.18129	\$0.17626
4/13/2023	Long	\$0.18189	\$0.17202	\$0.17626
4/14/2023	Long	\$0.15727	\$0.14884	\$0.15141
4/15/2023	Long	\$0.16933	\$0.15136	\$0.16054
4/16/2023	Short	\$0.18350	\$0.17624	\$0.17528
4/17/2023	Short	\$0.18350	\$0.17624	\$0.17528
4/18/2023	Long	\$0.20542	\$0.19907	\$0.19959
4/19/2023	Short	\$0.22041	\$0.21023	\$0.21585
4/20/2023	Short	\$0.21375	\$0.20869	\$0.21230
4/21/2023	Short	\$0.22349	\$0.21487	\$0.21839
4/22/2023	Short	\$0.22503	\$0.22414	\$0.22853
4/23/2023	Short	\$0.22503	\$0.22414	\$0.22853
4/24/2023	Short	\$0.22503	\$0.22414	\$0.22853
4/25/2023	Long	\$0.21875	\$0.20215	\$0.21632
4/26/2023	Long	\$0.21465	\$0.20266	\$0.21227
4/27/2023	Long	\$0.19897	\$0.19674	\$0.19198
4/28/2023	Long	\$0.19596	\$0.19548	\$0.19452
4/29/2023	Long	\$0.19596	\$0.19548	\$0.19452
4/30/2023	Short	\$0.21375	\$0.21023	\$0.20926
Average		\$0.20641	\$0.19980	\$0.20573

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
5/1/2023	Short	\$0.22008	\$0.21813	\$0.22760
5/2/2023	Short	\$0.21706	\$0.21968	\$0.22304
5/3/2023	Long	\$0.20234	\$0.19983	\$0.19503
5/4/2023	Long	\$0.18541	\$0.18232	\$0.17981
5/5/2023	Long	\$0.17312	\$0.17408	\$0.16815
5/6/2023	Long	\$0.15979	\$0.16330	\$0.16003
5/7/2023	Short	\$0.16778	\$0.17372	\$0.17080
5/8/2023	Short	\$0.16778	\$0.17372	\$0.17080
5/9/2023	Short	\$0.19345	\$0.19989	\$0.20732
5/10/2023	Short	\$0.20419	\$0.20963	\$0.19971
5/11/2023	Long	\$0.17927	\$0.17938	\$0.17677
5/12/2023	Long	\$0.17824	\$0.17650	\$0.17525
5/13/2023	Long	\$0.18440	\$0.17906	\$0.17474
5/14/2023	Long	\$0.18440	\$0.17906	\$0.17474
5/15/2023	Short	\$0.19239	\$0.18826	\$0.19058
5/16/2023	Long	\$0.21926	\$0.21426	\$0.21632
5/17/2023	Long	\$0.23465	\$0.22677	\$0.22951
5/18/2023	Long	\$0.21413	\$0.21220	\$0.21430
5/19/2023	Long	\$0.20551	\$0.20551	\$0.20517
5/20/2023	Long	\$0.22209	\$0.21735	\$0.21683
5/21/2023	Short	\$0.23034	\$0.22759	\$0.22557
5/22/2023	Short	\$0.23034	\$0.22759	\$0.22557
5/23/2023	Short	\$0.21598	\$0.21989	\$0.21797
5/24/2023	Short	\$0.22059	\$0.21938	\$0.21949
5/25/2023	Long	\$0.20542	\$0.20852	\$0.20314
5/26/2023	Long	\$0.19055	\$0.19520	\$0.18488
5/27/2023	Short	\$0.16984	\$0.17936	\$0.16725
5/28/2023	Long	\$0.16184	\$0.16017	\$0.15800
5/29/2023	Long	\$0.16184	\$0.16017	\$0.15800
5/30/2023	Long	\$0.16184	\$0.16017	\$0.15800
5/31/2023	Long	\$0.19260	\$0.19159	\$0.19604
Average		\$0.19505	\$0.19491	\$0.19324

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
6/1/2023	Long	\$0.19004	\$0.19056	\$0.19655
6/2/2023	Long	\$0.16799	\$0.16841	\$0.17474
6/3/2023	Long	\$0.17055	\$0.16624	\$0.17474
6/4/2023	Short	\$0.17794	\$0.17184	\$0.18415
6/5/2023	Short	\$0.17794	\$0.17184	\$0.18415
6/6/2023	Short	\$0.19640	\$0.19315	\$0.20140
6/7/2023	Long	\$0.19043	\$0.19043	\$0.19046
6/8/2023	Long	\$0.19697	\$0.19697	\$0.19858
6/9/2023	Short	\$0.20255	\$0.19777	\$0.20190
6/10/2023	Long	\$0.17285	\$0.17285	\$0.17525
6/11/2023	Short	\$0.18050	\$0.17879	\$0.18365
6/12/2023	Short	\$0.18050	\$0.17879	\$0.18365
6/13/2023	Short	\$0.19435	\$0.19029	\$0.20190
6/14/2023	Short	\$0.20921	\$0.20290	\$0.21103
6/15/2023	Long	\$0.19998	\$0.19998	\$0.20263
6/16/2023	Long	\$0.20500	\$0.20500	\$0.20517
6/17/2023	Long	\$0.20350	\$0.20350	\$0.20770
6/18/2023	Short	\$0.21280	\$0.20677	\$0.21610
6/19/2023	Long	\$0.20350	\$0.20350	\$0.20770
6/20/2023	Long	\$0.20350	\$0.20350	\$0.20770
6/21/2023	Long	\$0.22644	\$0.22912	\$0.22951
6/22/2023	Short	\$0.22818	\$0.22137	\$0.22878
6/23/2023	Long	\$0.22182	\$0.22209	\$0.22342
6/24/2023	Long	\$0.21606	\$0.21606	\$0.21785
6/25/2023	Long	\$0.21606	\$0.21606	\$0.21785
6/26/2023	Long	\$0.21606	\$0.21606	\$0.21785
6/27/2023	Long	\$0.23616	\$0.23616	\$0.24168
6/28/2023	Long	\$0.24972	\$0.24877	\$0.25436
6/29/2023	Short	\$0.25638	\$0.25420	\$0.25617
6/30/2023	Long	\$0.24168	\$0.24052	\$0.24371
Average		\$0.20484	\$0.20312	\$0.20801

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
7/1/2023	Short	\$0.23481	\$0.23163	\$0.23851
7/2/2023	Short	\$0.23481	\$0.23163	\$0.23851
7/3/2023	Long	\$0.22812	\$0.22812	\$0.23052
7/4/2023	Long	\$0.22812	\$0.22812	\$0.23052
7/5/2023	Long	\$0.22812	\$0.22812	\$0.23052
7/6/2023	Long	\$0.23259	\$0.23755	\$0.23864
7/7/2023	Short	\$0.22712	\$0.21606	\$0.22482
7/8/2023	Short	\$0.21687	\$0.20957	\$0.21620
7/9/2023	Short	\$0.21687	\$0.20957	\$0.21620
7/10/2023	Long	\$0.20601	\$0.20601	\$0.20872
7/11/2023	Long	\$0.23164	\$0.23036	\$0.23255
7/12/2023	Long	\$0.23567	\$0.24011	\$0.23712
7/13/2023	Short	\$0.24096	\$0.23922	\$0.24713
7/14/2023	Short	\$0.23430	\$0.23266	\$0.24054
7/15/2023	Short	\$0.23532	\$0.23304	\$0.23902
7/16/2023	Short	\$0.23532	\$0.23304	\$0.23902
7/17/2023	Short	\$0.23532	\$0.23304	\$0.23902
7/18/2023	Short	\$0.22762	\$0.22762	\$0.23598
7/19/2023	Short	\$0.24096	\$0.23665	\$0.24460
7/20/2023	Short	\$0.23943	\$0.23613	\$0.24561
7/21/2023	Short	\$0.24865	\$0.24489	\$0.25373
7/22/2023	Long	\$0.24018	\$0.24018	\$0.24270
7/23/2023	Short	\$0.25122	\$0.24651	\$0.25575
7/24/2023	Short	\$0.25122	\$0.24651	\$0.25575
7/25/2023	Short	\$0.25429	\$0.24746	\$0.25474
7/26/2023	Short	\$0.25173	\$0.24334	\$0.25525
7/27/2023	Short	\$0.25224	\$0.24540	\$0.25778
7/28/2023	Short	\$0.24558	\$0.23817	\$0.24866
7/29/2023	Short	\$0.23532	\$0.23830	\$0.23598
7/30/2023	Short	\$0.23532	\$0.23830	\$0.23598
7/31/2023	Short	\$0.23532	\$0.23830	\$0.23598
Average		\$0.23584	\$0.23341	\$0.23890

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
8/1/2023	Short	\$0.24045	\$0.23881	\$0.23870
8/2/2023	Short	\$0.23481	\$0.22958	\$0.23414
8/3/2023	Short	\$0.23071	\$0.22480	\$0.23363
8/4/2023	Short	\$0.23379	\$0.22907	\$0.23617
8/5/2023	Long	\$0.22611	\$0.22611	\$0.22596
8/6/2023	Short	\$0.23481	\$0.23061	\$0.23668
8/7/2023	Short	\$0.23481	\$0.23061	\$0.23668
8/8/2023	Short	\$0.25019	\$0.24283	\$0.25189
8/9/2023	Short	\$0.25276	\$0.24695	\$0.25544
8/10/2023	Short	\$0.27583	\$0.27062	\$0.27725
8/11/2023	Short	\$0.26968	\$0.26395	\$0.27522
8/12/2023	Short	\$0.25942	\$0.25472	\$0.25848
8/13/2023	Short	\$0.25942	\$0.25472	\$0.25848
8/14/2023	Short	\$0.25942	\$0.25472	\$0.25848
8/15/2023	Short	\$0.25481	\$0.25369	\$0.25848
8/16/2023	Long	\$0.24721	\$0.24721	\$0.24523
8/17/2023	Short	\$0.24865	\$0.24334	\$0.24885
8/18/2023	Long	\$0.23669	\$0.23766	\$0.22951
8/19/2023	Long	\$0.22812	\$0.22812	\$0.22545
8/20/2023	Long	\$0.22812	\$0.22812	\$0.22545
8/21/2023	Long	\$0.22812	\$0.22812	\$0.22545
8/22/2023	Long	\$0.24131	\$0.24155	\$0.24422
8/23/2023	Long	\$0.23874	\$0.24258	\$0.24523
8/24/2023	Long	\$0.22695	\$0.23383	\$0.22697
8/25/2023	Short	\$0.22866	\$0.22855	\$0.23008
8/26/2023	Short	\$0.22507	\$0.22804	\$0.22653
8/27/2023	Short	\$0.22507	\$0.22804	\$0.22653
8/28/2023	Short	\$0.22507	\$0.22804	\$0.22653
8/29/2023	Short	\$0.23917	\$0.24343	\$0.24783
8/30/2023	Short	\$0.24045	\$0.23522	\$0.24428
8/31/2023	Short	\$0.24250	\$0.23830	\$0.24276
Average		\$0.24087	\$0.23909	\$0.24183

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
9/1/2023	Short	\$0.23666	\$0.24528	\$0.23903
9/2/2023	Long	\$0.23165	\$0.23165	\$0.23054
9/3/2023	Long	\$0.23165	\$0.23165	\$0.23054
9/4/2023	Short	\$0.23936	\$0.23657	\$0.23801
9/5/2023	Short	\$0.23936	\$0.23657	\$0.23801
9/6/2023	Short	\$0.23476	\$0.23555	\$0.23801
9/7/2023	Short	\$0.23425	\$0.23453	\$0.23397
9/8/2023	Short	\$0.23425	\$0.23504	\$0.23953
9/9/2023	Short	\$0.23885	\$0.23555	\$0.24055
9/10/2023	Short	\$0.23885	\$0.23555	\$0.24055
9/11/2023	Short	\$0.23885	\$0.23555	\$0.24055
9/12/2023	Short	\$0.23885	\$0.23315	\$0.24409
9/13/2023	Short	\$0.24192	\$0.23657	\$0.24561
9/14/2023	Long	\$0.22852	\$0.23397	\$0.23510
9/15/2023	Long	\$0.23619	\$0.24053	\$0.23915
9/16/2023	Long	\$0.23312	\$0.23436	\$0.23409
9/17/2023	Short	\$0.23885	\$0.23862	\$0.24409
9/18/2023	Long	\$0.23312	\$0.23436	\$0.23409
9/19/2023	Short	\$0.23416	\$0.23811	\$0.24055
9/20/2023	Long	\$0.22903	\$0.23385	\$0.23409
9/21/2023	Long	\$0.21778	\$0.21946	\$0.22093
9/22/2023	Short	\$0.21961	\$0.22890	\$0.22334
9/23/2023	Long	\$0.19884	\$0.20661	\$0.20676
9/24/2023	Short	\$0.21159	\$0.21968	\$0.21322
9/25/2023	Short	\$0.21159	\$0.21968	\$0.21322
9/26/2023	Short	\$0.21861	\$0.22480	\$0.22536
9/27/2023	Short	\$0.22262	\$0.22736	\$0.22739
9/28/2023	Long	\$0.21112	\$0.21021	\$0.22346
9/29/2023	Long	\$0.20805	\$0.20866	\$0.21891
9/30/2023	Long	\$0.20805	\$0.20866	\$0.21891
Average		\$0.22800	\$0.22970	\$0.23172

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
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Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
10/1/2023	Long	\$0.20856	\$0.20968	\$0.21029
10/2/2023	Long	\$0.20856	\$0.20968	\$0.21029
10/3/2023	Long	\$0.22084	\$0.22305	\$0.22396
10/4/2023	Long	\$0.23516	\$0.23590	\$0.23560
10/5/2023	Long	\$0.25307	\$0.25903	\$0.25432
10/6/2023	Long	\$0.25358	\$0.25722	\$0.25381
10/7/2023	Long	\$0.25409	\$0.25851	\$0.25078
10/8/2023	Short	\$0.26363	\$0.26576	\$0.26680
10/9/2023	Short	\$0.26363	\$0.26576	\$0.26680
10/10/2023	Short	\$0.26209	\$0.25321	\$0.26730
10/11/2023	Short	\$0.26056	\$0.25500	\$0.26629
10/12/2023	Short	\$0.24981	\$0.24630	\$0.25060
10/13/2023	Long	\$0.22663	\$0.22663	\$0.22294
10/14/2023	Short	\$0.18893	\$0.18803	\$0.19494
10/15/2023	Short	\$0.18893	\$0.18803	\$0.19494
10/16/2023	Short	\$0.18893	\$0.18803	\$0.19494
10/17/2023	Short	\$0.19967	\$0.19705	\$0.20152
10/18/2023	Long	\$0.20858	\$0.20171	\$0.20321
10/19/2023	Short	\$0.24367	\$0.23760	\$0.24352
10/20/2023	Long	\$0.22288	\$0.22413	\$0.21839
10/21/2023	Short	\$0.19302	\$0.18602	\$0.19140
10/22/2023	Short	\$0.19302	\$0.18602	\$0.19140
10/23/2023	Long	\$0.18349	\$0.17781	\$0.17588
10/24/2023	Long	\$0.19321	\$0.19529	\$0.19562
10/25/2023	Long	\$0.19423	\$0.19478	\$0.19916
10/26/2023	Long	\$0.20558	\$0.20558	\$0.20473
10/27/2023	Short	\$0.24726	\$0.23666	\$0.25010
10/28/2023	Long	\$0.29232	\$0.28618	\$0.31707
10/29/2023	Short	\$0.30354	\$0.29232	\$0.33461
10/30/2023	Short	\$0.30354	\$0.29232	\$0.33461
10/31/2023	Short	\$0.34547	\$0.34547	\$0.36953
Average		\$0.23408	\$0.23190	\$0.23856

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
11/1/2023	Short	\$0.30585	\$0.30435	\$0.32275
11/2/2023	Long	\$0.27251	\$0.26993	\$0.27254
11/3/2023	Short	\$0.26134	\$0.25675	\$0.27518
11/4/2023	Short	\$0.21683	\$0.20959	\$0.23217
11/5/2023	Short	\$0.21683	\$0.20959	\$0.23217
11/6/2023	Long	\$0.20959	\$0.20465	\$0.20776
11/7/2023	Short	\$0.18664	\$0.18452	\$0.19978
11/8/2023	Short	\$0.18153	\$0.17549	\$0.19928
11/9/2023	Short	\$0.22655	\$0.22012	\$0.23369
11/10/2023	Short	\$0.22143	\$0.21861	\$0.23419
11/11/2023	Long	\$0.21572	\$0.21647	\$0.21839
11/12/2023	Long	\$0.21572	\$0.21647	\$0.21839
11/13/2023	Short	\$0.22143	\$0.21861	\$0.23419
11/14/2023	Short	\$0.24395	\$0.24318	\$0.25191
11/15/2023	Long	\$0.26023	\$0.26170	\$0.26292
11/16/2023	Short	\$0.25521	\$0.25880	\$0.27265
11/17/2023	Short	\$0.26083	\$0.25931	\$0.27367
11/18/2023	Short	\$0.24395	\$0.24118	\$0.25595
11/19/2023	Short	\$0.24395	\$0.24118	\$0.25595
11/20/2023	Long	\$0.23823	\$0.23189	\$0.23458
11/21/2023	Short	\$0.23934	\$0.23666	\$0.25646
11/22/2023	Long	\$0.24168	\$0.24168	\$0.24066
11/23/2023	Short	\$0.26134	\$0.25521	\$0.27620
11/24/2023	Short	\$0.26134	\$0.25521	\$0.27620
11/25/2023	Short	\$0.26134	\$0.25521	\$0.27620
11/26/2023	Short	\$0.26134	\$0.25521	\$0.27620
11/27/2023	Short	\$0.26134	\$0.25521	\$0.27620
11/28/2023	Short	\$0.27874	\$0.27276	\$0.29138
11/29/2023	Short	\$0.26902	\$0.26324	\$0.27923
11/30/2023	Short	\$0.26237	\$0.25572	\$0.27721
Average		\$0.24321	\$0.23962	\$0.25380

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
12/1/2023	Long	\$0.24335	\$0.24063	\$0.25027
12/2/2023	Short	\$0.23991	\$0.23566	\$0.27335
12/3/2023	Short	\$0.23991	\$0.23566	\$0.27335
12/4/2023	Short	\$0.23991	\$0.23566	\$0.27335
12/5/2023	Short	\$0.24605	\$0.24218	\$0.27943
12/6/2023	Long	\$0.24539	\$0.24063	\$0.24572
12/7/2023	Long	\$0.23465	\$0.22881	\$0.22952
12/8/2023	Long	\$0.20856	\$0.20825	\$0.20574
12/9/2023	Long	\$0.22237	\$0.21984	\$0.22193
12/10/2023	Short	\$0.22815	\$0.22513	\$0.25919
12/11/2023	Short	\$0.22815	\$0.22513	\$0.25919
12/12/2023	Short	\$0.21894	\$0.21260	\$0.24906
12/13/2023	Long	\$0.21661	\$0.21185	\$0.21485
12/14/2023	Long	\$0.20702	\$0.20671	\$0.20726
12/15/2023	Long	\$0.20497	\$0.20568	\$0.20523
12/16/2023	Long	\$0.21961	\$0.21647	\$0.21991
12/17/2023	Long	\$0.21961	\$0.21647	\$0.21991
12/18/2023	Short	\$0.22610	\$0.21961	\$0.25666
12/19/2023	Short	\$0.23019	\$0.22613	\$0.26475
12/20/2023	Long	\$0.21059	\$0.20260	\$0.21130
12/21/2023	Long	\$0.21163	\$0.21031	\$0.21434
12/22/2023	Short	\$0.20461	\$0.20298	\$0.22933
12/23/2023	Long	\$0.15637	\$0.15068	\$0.15108
12/24/2023	Long	\$0.15637	\$0.15068	\$0.15108
12/25/2023	Long	\$0.15637	\$0.15068	\$0.15108
12/26/2023	Short	\$0.16215	\$0.16145	\$0.19036
12/27/2023	Long	\$0.19116	\$0.18872	\$0.19309
12/28/2023	Long	\$0.21009	\$0.21031	\$0.21282
12/29/2023	Long	\$0.21163	\$0.21082	\$0.20675
12/30/2023	Long	\$0.21163	\$0.21082	\$0.20675
12/31/2023	Short	\$0.21740	\$0.21260	\$0.24502
Average		\$0.21353	\$0.21019	\$0.22489

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
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Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
1/1/2022	Long	\$0.36816	\$0.36040	\$0.45898
1/2/2022	Long	\$0.36816	\$0.36040	\$0.45898
1/3/2022	Long	\$0.36816	\$0.36040	\$0.45898
1/4/2022	Long	\$0.34807	\$0.34709	\$0.35655
1/5/2022	Short	\$0.41756	\$0.43059	\$0.44931
1/6/2022	Short	\$0.48940	\$0.44505	\$0.61683
1/7/2022	Short	\$0.40381	\$0.42440	\$0.44628
1/8/2022	Short	\$0.40788	\$0.41717	\$0.44225
1/9/2022	Short	\$0.40788	\$0.41717	\$0.44225
1/10/2022	Long	\$0.39779	\$0.37330	\$0.40903
1/11/2022	Long	\$0.39829	\$0.39654	\$0.39843
1/12/2022	Long	\$0.38925	\$0.38925	\$0.38884
1/13/2022	Long	\$0.44279	\$0.44042	\$0.44182
1/14/2022	Short	\$0.44813	\$0.48738	\$0.47959
1/15/2022	Short	\$0.42520	\$0.46186	\$0.44931
1/16/2022	Long	\$0.41587	\$0.41587	\$0.41609
1/17/2022	Short	\$0.42520	\$0.46186	\$0.44931
1/18/2022	Long	\$0.41587	\$0.41587	\$0.41609
1/19/2022	Short	\$0.45272	\$0.48119	\$0.49018
1/20/2022	Short	\$0.49297	\$0.52455	\$0.57949
1/21/2022	Long	\$0.40407	\$0.40432	\$0.40146
1/22/2022	Long	\$0.39427	\$0.39026	\$0.39086
1/23/2022	Short	\$0.40432	\$0.43369	\$0.42206
1/24/2022	Short	\$0.40432	\$0.43369	\$0.42206
1/25/2022	Short	\$0.43596	\$0.44815	\$0.58605
1/26/2022	Short	\$0.41603	\$0.44336	\$0.43771
1/27/2022	Short	\$0.43692	\$0.47060	\$0.45991
1/28/2022	Short	\$0.45119	\$0.47934	\$0.47353
1/29/2022	Short	\$0.51844	\$0.54666	\$0.53610
1/30/2022	Short	\$0.51844	\$0.54666	\$0.53610
1/31/2022	Long	\$0.51208	\$0.50547	\$0.50439
Average		\$0.42514	\$0.43590	\$0.45867

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
2/1/2022	Long	\$0.50903	\$0.50392	\$0.51045
2/2/2022	Short	\$0.58492	\$0.59786	\$0.62197
2/3/2022	Short	\$0.71993	\$0.77029	\$0.75569
2/4/2022	Short	\$0.58441	\$0.63043	\$0.60986
2/5/2022	Long	\$0.50903	\$0.50857	\$0.49985
2/6/2022	Short	\$0.51715	\$0.55746	\$0.53317
2/7/2022	Long	\$0.50903	\$0.50857	\$0.49985
2/8/2022	Long	\$0.40458	\$0.40583	\$0.40650
2/9/2022	Long	\$0.40458	\$0.40480	\$0.40600
2/10/2022	Long	\$0.37758	\$0.37899	\$0.37370
2/11/2022	Short	\$0.37348	\$0.42075	\$0.39794
2/12/2022	Short	\$0.38112	\$0.42178	\$0.40652
2/13/2022	Short	\$0.38112	\$0.42178	\$0.40652
2/14/2022	Short	\$0.38112	\$0.42178	\$0.40652
2/15/2022	Long	\$0.38420	\$0.38053	\$0.38682
2/16/2022	Long	\$0.39949	\$0.39447	\$0.40347
2/17/2022	Short	\$0.44328	\$0.47523	\$0.47363
2/18/2022	Long	\$0.44534	\$0.44352	\$0.44889
2/19/2022	Long	\$0.43646	\$0.43526	\$0.44838
2/20/2022	Long	\$0.43646	\$0.43526	\$0.44838
2/21/2022	Long	\$0.43646	\$0.43526	\$0.44838
2/22/2022	Short	\$0.45449	\$0.47831	\$0.48372
2/23/2022	Short	\$0.46875	\$0.50029	\$0.54023
2/24/2022	Short	\$0.49525	\$0.51784	\$0.57000
2/25/2022	Short	\$0.49779	\$0.52042	\$0.53922
2/26/2022	Long	\$0.43747	\$0.43747	\$0.43476
2/27/2022	Long	\$0.43747	\$0.43747	\$0.43476
2/28/2022	Long	\$0.43747	\$0.43747	\$0.43476
Average		\$0.45884	\$0.47434	\$0.47607

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
3/1/2022	Long	\$0.40305	\$0.40984	\$0.40549
3/2/2022	Long	\$0.41987	\$0.41925	\$0.42366
3/3/2022	Short	\$0.45255	\$0.49578	\$0.47395
3/4/2022	Long	\$0.42904	\$0.43216	\$0.43577
3/5/2022	Long	\$0.45604	\$0.45642	\$0.45393
3/6/2022	Long	\$0.45604	\$0.45642	\$0.45393
3/7/2022	Short	\$0.46783	\$0.50041	\$0.48303
3/8/2022	Short	\$0.48210	\$0.52405	\$0.49968
3/9/2022	Short	\$0.46681	\$0.49616	\$0.48757
3/10/2022	Short	\$0.45866	\$0.49048	\$0.47899
3/11/2022	Short	\$0.46223	\$0.49527	\$0.48505
3/12/2022	Short	\$0.45866	\$0.49990	\$0.47798
3/13/2022	Long	\$0.44687	\$0.44765	\$0.44838
3/14/2022	Long	\$0.44687	\$0.44765	\$0.44838
3/15/2022	Long	\$0.41834	\$0.42390	\$0.41760
3/16/2022	Long	\$0.40101	\$0.40325	\$0.40146
3/17/2022	Long	\$0.41630	\$0.42132	\$0.41407
3/18/2022	Short	\$0.45103	\$0.48551	\$0.46385
3/19/2022	Long	\$0.43158	\$0.42727	\$0.42568
3/20/2022	Long	\$0.43158	\$0.42727	\$0.42568
3/21/2022	Long	\$0.43158	\$0.42727	\$0.42568
3/22/2022	Long	\$0.42037	\$0.41750	\$0.41811
3/23/2022	Short	\$0.46258	\$0.49219	\$0.47546
3/24/2022	Short	\$0.48210	\$0.52251	\$0.49665
3/25/2022	Short	\$0.48363	\$0.52970	\$0.50473
3/26/2022	Short	\$0.52490	\$0.56054	\$0.54408
3/27/2022	Short	\$0.52490	\$0.56054	\$0.54408
3/28/2022	Short	\$0.52490	\$0.56054	\$0.54408
3/29/2022	Short	\$0.51632	\$0.55643	\$0.53601
3/30/2022	Short	\$0.50276	\$0.55180	\$0.52541
3/31/2022	Short	\$0.51980	\$0.56671	\$0.54257
Average		\$0.45969	\$0.48083	\$0.46971

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
4/1/2022	Short	\$0.54194	\$0.54408	\$0.54464
4/2/2022	Short	\$0.54596	\$0.54785	\$0.54414
4/3/2022	Short	\$0.54596	\$0.54785	\$0.54414
4/4/2022	Long	\$0.52339	\$0.53788	\$0.53475
4/5/2022	Long	\$0.54250	\$0.55492	\$0.55032
4/6/2022	Short	\$0.59225	\$0.59261	\$0.59287
4/7/2022	Short	\$0.62632	\$0.62854	\$0.62552
4/8/2022	Short	\$0.60472	\$0.60747	\$0.60844
4/9/2022	Short	\$0.61125	\$0.61125	\$0.60743
4/10/2022	Long	\$0.59277	\$0.60590	\$0.59804
4/11/2022	Long	\$0.59277	\$0.60590	\$0.59804
4/12/2022	Long	\$0.61388	\$0.62203	\$0.60608
4/13/2022	Short	\$0.65244	\$0.65244	\$0.64812
4/14/2022	Short	\$0.67253	\$0.67253	\$0.67725
4/15/2022	Long	\$0.68175	\$0.69173	\$0.69900
4/16/2022	Short	\$0.69714	\$0.69895	\$0.70639
4/17/2022	Long	\$0.68175	\$0.69173	\$0.69900
4/18/2022	Short	\$0.69714	\$0.69895	\$0.70639
4/19/2022	Short	\$0.76796	\$0.76796	\$0.76566
4/20/2022	Long	\$0.68577	\$0.69070	\$0.68846
4/21/2022	Long	\$0.65259	\$0.66333	\$0.65882
4/22/2022	Long	\$0.65209	\$0.66127	\$0.64174
4/23/2022	Long	\$0.61690	\$0.61842	\$0.62667
4/24/2022	Short	\$0.63435	\$0.63779	\$0.63707
4/25/2022	Short	\$0.63435	\$0.63779	\$0.63707
4/26/2022	Short	\$0.66549	\$0.66549	\$0.68429
4/27/2022	Long	\$0.67471	\$0.67675	\$0.69649
4/28/2022	Long	\$0.68275	\$0.68863	\$0.69649
4/29/2022	Long	\$0.65561	\$0.66549	\$0.65581
4/30/2022	Long	\$0.65561	\$0.66549	\$0.65581
Average		\$0.63315	\$0.63839	\$0.63783

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
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Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
5/1/2022	Short	\$0.67855	\$0.67904	\$0.66994
5/2/2022	Short	\$0.67855	\$0.67904	\$0.66994
5/3/2022	Short	\$0.74033	\$0.74033	\$0.73474
5/4/2022	Long	\$0.78128	\$0.79657	\$0.78641
5/5/2022	Short	\$0.82521	\$0.84349	\$0.82114
5/6/2022	Long	\$0.79938	\$0.81416	\$0.79696
5/7/2022	Long	\$0.79838	\$0.81253	\$0.78339
5/8/2022	Long	\$0.79838	\$0.81253	\$0.78339
5/9/2022	Long	\$0.79838	\$0.81253	\$0.78339
5/10/2022	Long	\$0.71945	\$0.73251	\$0.71056
5/11/2022	Long	\$0.65561	\$0.66141	\$0.64174
5/12/2022	Long	\$0.73554	\$0.74645	\$0.72814
5/13/2022	Long	\$0.72649	\$0.73045	\$0.71759
5/14/2022	Long	\$0.73252	\$0.74083	\$0.72010
5/15/2022	Long	\$0.73252	\$0.74083	\$0.72010
5/16/2022	Long	\$0.73252	\$0.74083	\$0.72010
5/17/2022	Long	\$0.77073	\$0.78362	\$0.76933
5/18/2022	Short	\$0.81366	\$0.83219	\$0.80657
5/19/2022	Long	\$0.80592	\$0.81969	\$0.79746
5/20/2022	Long	\$0.79888	\$0.80530	\$0.78791
5/21/2022	Short	\$0.78905	\$0.79261	\$0.78396
5/22/2022	Long	\$0.77324	\$0.78362	\$0.77385
5/23/2022	Short	\$0.78905	\$0.79261	\$0.78396
5/24/2022	Long	\$0.79838	\$0.80428	\$0.79696
5/25/2022	Long	\$0.84513	\$0.85585	\$0.83915
5/26/2022	Long	\$0.88384	\$0.89704	\$0.88386
5/27/2022	Long	\$0.86891	\$0.86891	\$0.85221
5/28/2022	Long	\$0.77425	\$0.78155	\$0.76832
5/29/2022	Long	\$0.77425	\$0.78155	\$0.76832
5/30/2022	Long	\$0.77425	\$0.78155	\$0.76832
5/31/2022	Short	\$0.78876	\$0.79107	\$0.77944
Average		\$0.77359	\$0.78242	\$0.76604

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
6/1/2022	Short	\$0.81366	\$0.85703	\$0.80105
6/2/2022	Short	\$0.82371	\$0.86217	\$0.81462
6/3/2022	Short	\$0.85485	\$0.89222	\$0.84174
6/4/2022	Long	\$0.78128	\$0.79859	\$0.77084
6/5/2022	Long	\$0.78128	\$0.79859	\$0.77084
6/6/2022	Long	\$0.78128	\$0.79859	\$0.77084
6/7/2022	Long	\$0.85066	\$0.87192	\$0.85974
6/8/2022	Long	\$0.88233	\$0.89302	\$0.87984
6/9/2022	Long	\$0.90193	\$0.91210	\$0.89993
6/10/2022	Short	\$0.79261	\$0.83185	\$0.78699
6/11/2022	Short	\$0.83526	\$0.83526 \$0.87399	
6/12/2022	Short	\$0.83526	\$0.87399	\$0.82115
6/13/2022	Long	\$0.82301	\$0.83266	\$0.81303
6/14/2022	Long	\$0.82854	\$0.82854 \$0.84402	
6/15/2022	Long	\$0.71020	\$0.71020	\$0.69700
6/16/2022	Long	\$0.71995	\$0.73509	\$0.73115
6/17/2022	Long	\$0.74207	\$0.75540	\$0.74472
6/18/2022	Long	\$0.67521	\$0.69224	\$0.67791
6/19/2022	Long	\$0.67521	\$0.69224	\$0.67791
6/20/2022	Long	\$0.67521	\$0.69224	\$0.67791
6/21/2022	Long	\$0.67521	\$0.69224	\$0.67791
6/22/2022	Short	\$0.65294	\$0.68795	\$0.64835
6/23/2022	Long	\$0.64857	\$0.65507	\$0.64325
6/24/2022	Short	\$0.65637	\$0.68076	\$0.63027
6/25/2022	Long	\$0.59076	\$0.58899	\$0.57594
6/26/2022	Long	\$0.59076	\$0.58899	\$0.57594
6/27/2022	Short	\$0.59806	\$0.62988	\$0.57903
6/28/2022	Long	\$0.58774	\$0.59570	\$0.58548
6/29/2022	Short	\$0.64992	\$0.68692	\$0.64082
6/30/2022	Short	\$0.65796	\$0.69412	\$0.64383
Average		\$0.73639	\$0.75729	\$0.72968

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
7/1/2022	Long	\$0.58523	\$0.61171	\$0.60357
7/2/2022	Long	\$0.52942	\$0.54093	\$0.52872
7/3/2022	Long	\$0.52942	\$0.54093	\$0.52872
7/4/2022	Long	\$0.52942	\$0.54093	\$0.52872
7/5/2022	Short	\$0.54093	\$0.56128	\$0.53187
7/6/2022	Short	\$0.54417	\$0.56334	\$0.54643
7/7/2022	Short	\$0.54869	\$0.56539	\$0.53990
7/8/2022	Short	\$0.58137	\$0.61226	\$0.59365
7/9/2022	Long	\$0.59126	\$0.59669	\$0.58749
7/10/2022	Short	\$0.59669	\$0.61730	\$0.59365
7/11/2022	Long	\$0.59126	\$0.59669	\$0.58749
7/12/2022	Short	\$0.64490	\$0.64490 \$0.66647	
7/13/2022	Short	\$0.64371	\$0.64371 \$0.66647	
7/14/2022	Short	\$0.64792	\$0.65717	\$0.64288
7/15/2022	Short	\$0.66248	\$0.67886	\$0.66046
7/16/2022	Short	\$0.65143	\$0.66750	\$0.65192
7/17/2022	Short	\$0.65143	\$0.66750	\$0.65192
7/18/2022	Short	\$0.65143	\$0.66750	\$0.65192
7/19/2022	Long	\$0.72950	\$0.72976	\$0.72814
7/20/2022	Short	\$0.72414	\$0.73771	\$0.72023
7/21/2022	Short	\$0.74686	\$0.76146	\$0.74233
7/22/2022	Short	\$0.78547	\$0.79398	\$0.78754
7/23/2022	Long	\$0.79988	\$0.80942	\$0.80549
7/24/2022	Short	\$0.81316	\$0.83012	\$0.81115
7/25/2022	Short	\$0.81316	\$0.83012	\$0.81115
7/26/2022	Short	\$0.83275	\$0.85232	\$0.82371
7/27/2022	Short	\$0.87896	\$0.90407	\$0.87243
7/28/2022	Short	\$0.84430	\$0.85885	\$0.83677
7/29/2022	Short	\$0.82170	\$0.84394	\$0.81969
7/30/2022	Short	\$0.82170	\$0.84394	\$0.81969
7/31/2022	Short	\$0.82170	\$0.84394	\$0.81969
Average		\$0.68240	\$0.69866	\$0.68121

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
	Short			\$0.80212
8/1/2022		\$0.80412	\$0.81927	· '
8/2/2022	Short	\$0.77499	\$0.78895	\$0.77248
8/3/2022	Long	\$0.74688	\$0.75083	\$0.74522
8/4/2022	Short	\$0.75439	\$0.76326	\$0.74486
8/5/2022	Short	\$0.79056	\$0.80328	\$0.77600
8/6/2022	Short	\$0.78905	\$0.81002	\$0.77349
8/7/2022	Short	\$0.78905	\$0.81002	\$0.77349
8/8/2022	Short	\$0.78905	\$0.81002	\$0.77349
8/9/2022	Short	\$0.74980	\$0.75812	\$0.74385
8/10/2022	Short	\$0.77449	\$0.78417	\$0.76746
8/11/2022	Short	\$0.78202	\$0.79760	\$0.77650
8/12/2022	Long	\$0.81525	\$0.82521	\$0.80951
8/13/2022	Short	\$0.83325	\$0.86450	\$0.82322
8/14/2022	Short	\$0.83325	\$0.86450	\$0.82322
8/15/2022	Short	\$0.83325	\$0.86450	\$0.82322
8/16/2022	Short	\$0.82772	\$0.83623	\$0.82171
8/17/2022	Short	\$0.88147	\$0.89482	\$0.87646
8/18/2022	Short	\$0.89352	\$0.90921	\$0.88852
8/19/2022	Short	\$0.87293	\$0.89482	\$0.88299
8/20/2022	Short	\$0.85234	\$0.86913	\$0.84381
8/21/2022	Short	\$0.85234	\$0.86913	\$0.84381
8/22/2022	Short	\$0.85234	\$0.86913	\$0.84381
8/23/2022	Short	\$0.89704	\$0.91281	\$0.89655
8/24/2022	Short	\$0.92667	\$0.93389	\$0.92368
8/25/2022	Short	\$0.88348	\$0.89122	\$0.87747
8/26/2022	Short	\$0.87946	\$0.89636	\$0.86742
8/27/2022	Long	\$0.87004	\$0.87795	\$0.85974
8/28/2022	Long	\$0.87004	\$0.87795	\$0.85974
8/29/2022	Short	\$0.87795	\$0.89945	\$0.86792
8/30/2022	Short	\$0.88955	\$0.90047	\$0.87998
8/31/2022	Short	\$0.85434	\$0.87169	\$0.85285
Average		\$0.83357	\$0.84898	\$0.82628

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
			\$0.85241	
9/1/2022	Long	\$0.84826	· ·	\$0.84351
9/2/2022 9/3/2022	Long	\$0.87844 \$0.83921	\$0.88433	\$0.87667
9/3/2022	Long	\$0.83921 \$0.83921	\$0.84213	\$0.82542
	Long	\$0.83921 \$0.83921	\$0.84213 \$0.84213	\$0.82542 \$0.82542
9/5/2022	Long	·	·	1
9/6/2022	Short	\$0.84778	\$0.86980	\$0.83264
9/7/2022	Long	\$0.78641	\$0.78648 \$0.75867	\$0.78522 \$0.75858
9/8/2022	Long	\$0.75573	·	1
9/9/2022	Long	\$0.74416	\$0.74940	\$0.73848
9/10/2022	Short	\$0.74770	\$0.75796	\$0.73063
9/11/2022	Short	\$0.74770	\$0.75796	\$0.73063
9/12/2022	Short	\$0.74770	\$0.75796	\$0.73063
9/13/2022	Short	\$0.76324	\$0.76514	\$0.76782
9/14/2022	Long	\$0.75422	\$0.77206	\$0.76512
9/15/2022	Short	\$0.81198	\$0.82568	\$0.81053
9/16/2022	Short	\$0.77027	\$0.78002	\$0.77184
9/17/2022	Long	\$0.69286	\$0.69742	\$0.69677
9/18/2022	Short	\$0.70143	\$0.72204	\$0.71053
9/19/2022	Long	\$0.69286	\$0.69742	\$0.69677
9/20/2022	Long	\$0.70194	\$0.69789	\$0.69275
9/21/2022	Short	\$0.70646	\$0.71794	\$0.69948
9/22/2022	Long	\$0.67727	\$0.68192	\$0.66662
9/23/2022	Short	\$0.64265	\$0.66458	\$0.62611
9/24/2022	Long	\$0.48516	\$0.49493	\$0.47165
9/25/2022	Short	\$0.49493	\$0.53325	\$0.47586
9/26/2022	Short	\$0.49493	\$0.53325	\$0.47586
9/27/2022	Short	\$0.51251	\$0.51251	\$0.50902
9/28/2022	Short	\$0.54453	\$0.54099	\$0.54119
9/29/2022	Short	\$0.52391	\$0.52350	\$0.51757
9/30/2022	Short	\$0.51485	\$0.51734	\$0.49345
Average		\$0.70358	\$0.71264	\$0.69641

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelille	Pipelille	das Pipelille
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
10/1/2022	Long	\$0.42937	\$0.45674	\$0.43751
10/2/2022	Long	\$0.42937	\$0.45674	\$0.43751
10/3/2022	Long	\$0.42937	\$0.45674	\$0.43751
10/4/2022	Short	\$0.47583	\$0.47583	\$0.48638
10/5/2022	Short	\$0.52608	\$0.52789	\$0.53261
10/6/2022	Short	\$0.62004	\$0.62004	\$0.62960
10/7/2022	Short	\$0.63913	\$0.63974	\$0.65070
10/8/2022	Short	\$0.56276	\$0.57971	\$0.56276
10/9/2022	Short	\$0.56276	\$0.57971	\$0.56276
10/10/2022	Long	\$0.54001	\$0.56276	\$0.54906
10/11/2022	Long	\$0.54001	\$0.55318	\$0.54404
10/12/2022	Short	\$0.53914	\$0.54483	\$0.54216
10/13/2022	Short	\$0.58688	\$0.58688	\$0.58990
10/14/2022	Short	\$0.56175	\$0.56432	\$0.56578
10/15/2022	Long	\$0.54252	\$0.53921	\$0.54253
10/16/2022	Short	\$0.55170	\$0.55170	\$0.55623
10/17/2022	Short	\$0.55170	\$0.55170	\$0.55623
10/18/2022	Long	\$0.55509	\$0.55409	\$0.57771
10/19/2022	Long	\$0.55912	\$0.56606	\$0.58072
10/20/2022	Short	\$0.52909	\$0.52909	\$0.53864
10/21/2022	Long	\$0.45300	\$0.45302	\$0.46615
10/22/2022	Long	\$0.36198	\$0.37599	\$0.38273
10/23/2022	Long	\$0.36198	\$0.37599	\$0.38273
10/24/2022	Long	\$0.36198	\$0.37599	\$0.38273
10/25/2022	Short	\$0.43915	\$0.43915	\$0.45723
10/26/2022	Short	\$0.49426	\$0.48789	\$0.50899
10/27/2022	Short	\$0.50548	\$0.50548	\$0.51904
10/28/2022	Long	\$0.48016	\$0.47128	\$0.49580
10/29/2022	Long	\$0.43540	\$0.44501	\$0.45560
10/30/2022	Short	\$0.44820	\$0.45197	\$0.46829
10/31/2022	Short	\$0.44820	\$0.45197	\$0.46829
Average		\$0.50069	\$0.50744	\$0.51187

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
11/1/2022	Long	\$0.41604	\$0.40090	\$0.44894
11/2/2022	Long	\$0.30615	\$0.27162	\$0.36783
11/3/2022	Long	\$0.34921	\$0.26546	\$0.36783
11/4/2022	Long	\$0.33414	\$0.32549	\$0.35262
11/5/2022	Short	\$0.16230	\$0.17439	\$0.21179
11/6/2022	Short	\$0.16230	\$0.17439	\$0.21179
11/7/2022	Short	\$0.16230	\$0.17439	\$0.21179
11/8/2022	Long	\$0.31822	\$0.26649	\$0.36732
11/9/2022	Long	\$0.32778	\$0.29369	\$0.35313
11/10/2022	Short	\$0.36680	\$0.36680	\$0.40088
11/11/2022	Short	\$0.51201	\$0.51201	\$0.54484
11/12/2022	Short	\$0.51201	\$0.51201	\$0.54484
11/13/2022	Long	\$0.49122	\$0.44143	\$0.52244
11/14/2022	Short	\$0.51201	\$0.51201	\$0.54484
11/15/2022	Short	\$0.63109	\$0.63109	\$0.66549
11/16/2022	Short	\$0.59743	\$0.59743	\$0.65434
11/17/2022	Short	\$0.57381	\$0.57381	\$0.60618
11/18/2022	Short	\$0.63233	\$0.63159	\$0.65079
11/19/2022	Short	\$0.60145	\$0.62354	\$0.61784
11/20/2022	Long	\$0.59281	\$0.57533	\$0.60405
11/21/2022	Short	\$0.60145	\$0.62354	\$0.61784
11/22/2022	Long	\$0.62104	\$0.60663	\$0.63396
11/23/2022	Long	\$0.58125	\$0.58354	\$0.58834
11/24/2022	Long	\$0.62249	\$0.60252	\$0.62737
11/25/2022	Long	\$0.62249	\$0.60252	\$0.62737
11/26/2022	Long	\$0.62249	\$0.60252	\$0.62737
11/27/2022	Short	\$0.62830	\$0.63899	\$0.63964
11/28/2022	Short	\$0.62830	\$0.63899	\$0.63964
11/29/2022	Short	\$0.56443	\$0.57152	\$0.58033
11/30/2022	Short	\$0.65270	\$0.65270	\$0.66802
Average		\$0.49021	\$0.48158	\$0.51665

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
12/1/2022	Long	\$0.58980	\$0.57338	\$0.59341
12/2/2022	Short	\$0.55974	\$0.55974	\$0.60101
12/3/2022	Short	\$0.49752	\$0.45948	\$0.48442
12/4/2022	Short	\$0.49752	\$0.45948	\$0.48442
12/5/2022	Short	\$0.49752	\$0.45948	\$0.48442
12/6/2022	Long	\$0.43915	\$0.41424	\$0.44741
12/7/2022	Short	\$0.43312	\$0.43312	\$0.47124
12/8/2022	Long	\$0.42937	\$0.41731	\$0.43829
12/9/2022	Long	\$0.45803	\$0.45990	\$0.47175
12/10/2022	Long	\$0.48821	\$0.47706	\$0.49304
12/11/2022	Long	\$0.48821	\$0.47706	\$0.49304
12/12/2022	Long	\$0.48821	\$0.47706	\$0.49304
12/13/2022	Long	\$0.57482	\$0.54096	\$0.56553
12/14/2022	Long	\$0.60446	\$0.58471	\$0.60304
12/15/2022	Short	\$0.57848	\$0.57381	\$0.60659
12/16/2022	Short	\$0.62727	\$0.62506	\$0.66691
12/17/2022	Short	\$0.65895	\$0.63511	\$0.70391
12/18/2022	Short	\$0.65895	\$0.63511	\$0.70391
12/19/2022	Short	\$0.65895	\$0.63511	\$0.70391
12/20/2022	Short	\$0.61552	\$0.61552	\$0.75207
12/21/2022	Long	\$0.54316	\$0.42348	\$0.63041
12/22/2022	Long	\$1.30896	\$0.55994	\$2.78940
12/23/2022	Long	\$1.09824	\$0.63125	\$1.34467
12/24/2022	Long	\$0.83861	\$0.54404	\$0.95383
12/25/2022	Long	\$0.83861	\$0.54404	\$0.95383
12/26/2022	Long	\$0.83861	\$0.54404	\$0.95383
12/27/2022	Long	\$0.83861	\$0.54404	\$0.95383
12/28/2022	Long	\$0.44244	\$0.32497	\$0.45857
12/29/2022	Long	\$0.39293	\$0.23981	\$0.38354
12/30/2022	Long	\$0.35072	\$0.27265	\$0.35921
12/31/2022	Long	\$0.35072	\$0.27265	\$0.35921
Average		\$0.60276	\$0.49721	\$0.69038

# MidAmerican Energy Company 2022 Interruptible Commodity Prices (\$/Therm)

Iowa - N	ebraska -	South Da	kota									
Day	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	\$0.52247	\$0.53973										
2	\$0.52247	\$0.62197										
3	\$0.52247	\$0.75569										
4	\$0.39128	\$0.60986										
5	\$0.44931	\$0.53317										
6	\$0.61683	\$0.53317										
7	\$0.44628	\$0.53317										
8	\$0.44225	\$0.43629										
9	\$0.44225	\$0.43528										
10	\$0.44225	\$0.40500										
11	\$0.43064	\$0.39794										
12	\$0.42004	\$0.40652										
13	\$0.47403	\$0.40652										
14	\$0.47959	\$0.40652										
15	\$0.44931	\$0.41611										
16	\$0.44931	\$0.43326										
17	\$0.44931	\$0.47363										
18	\$0.44931	\$0.47867										
19	\$0.49018	\$0.48372										
20	\$0.57949	\$0.48372										
21	\$0.43468	\$0.48372										
22	\$0.42206	\$0.48372										
23	\$0.42206	\$0.54023										
24	\$0.42206	\$0.57000										
25	\$0.58605	\$0.53922										
26	\$0.43771	\$0.46555										
27	\$0.45991	\$0.46555										
28	\$0.47353	\$0.46555										
29	\$0.53610											
30	\$0.53610											
31	\$0.53610											
Average	\$0.47534	\$0.49298										

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		ripeille	Fipeline	das Fipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
1/1/2021	Short	\$0.24012	\$0.26509	\$0.25812
1/2/2021	Short	\$0.24012	\$0.26509	\$0.25812
1/3/2021	Short	\$0.24012	\$0.26509	\$0.25812
1/4/2021	Short	\$0.24012	\$0.26509	\$0.25812
1/5/2021	Long	\$0.24929	\$0.24894	\$0.24996
1/6/2021	Long	\$0.26027	\$0.26027	\$0.26117
1/7/2021	Short	\$0.26839	\$0.29087	\$0.28614
1/8/2021	Short	\$0.27199	\$0.29708	\$0.29480
1/9/2021	Short	\$0.27250	\$0.29397	\$0.29174
1/10/2021	Short	\$0.27250	\$0.29397	\$0.29174
1/11/2021	Long	\$0.26279	\$0.26279	\$0.26678
1/12/2021	Long	\$0.25725	\$0.25725	\$0.25811
1/13/2021	Long	\$0.27437	\$0.27437	\$0.27289
1/14/2021	Long	\$0.26480	\$0.26480	\$0.26779
1/15/2021	Short	\$0.27353	\$0.29703	\$0.29174
1/16/2021	Short	\$0.27456	\$0.29909	\$0.29327
1/17/2021	Short	\$0.27456	\$0.29909	\$0.29327
1/18/2021	Short	\$0.27456	\$0.29909	\$0.29327
1/19/2021	Short	\$0.27456	\$0.29909	\$0.29327
1/20/2021	Long	\$0.24668	\$0.24668	\$0.24640
1/21/2021	Short	\$0.24578	\$0.27127	\$0.26321
1/22/2021	Short	\$0.24989	\$0.27276	\$0.26984
1/23/2021	Long	\$0.23963	\$0.23963	\$0.24232
1/24/2021	Short	\$0.24783	\$0.26914	\$0.26423
1/25/2021	Long	\$0.23963	\$0.23963	\$0.24232
1/26/2021	Short	\$0.26171	\$0.28207	\$0.28206
1/27/2021	Short	\$0.27045	\$0.28983	\$0.29225
1/28/2021	Short	\$0.26891	\$0.29342	\$0.28818
1/29/2021	Short	\$0.26531	\$0.28828	\$0.28206
1/30/2021	Long	\$0.26027	\$0.26027	\$0.26066
1/31/2021	Long	\$0.26027	\$0.26027	\$0.26066
Average		\$0.25944	\$0.27456	\$0.27202

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
2/1/2021	Short	\$0.27051	\$0.29324	\$0.28263
2/2/2021	Long	\$0.27447	\$0.27792	\$0.27849
2/3/2021	Short	\$0.29878	\$0.32257	\$0.31218
2/4/2021	Short	\$0.29415	\$0.31639	\$0.30811
2/5/2021	Short	\$0.30032	\$0.32584	\$0.34377
2/6/2021	Long	\$0.35240	\$0.33346	\$0.38701
2/7/2021	Long	\$0.35240	\$0.33346	\$0.38701
2/8/2021	Long	\$0.35240	\$0.33346	\$0.38701
2/9/2021	Long	\$0.31967	\$0.31967	\$0.38039
2/10/2021	Long	\$0.32974	\$0.32974 \$0.32974	
2/11/2021	Long	\$0.40123	\$0.40123 \$0.38755	
2/12/2021	Long	\$0.81101	\$0.81101 \$0.71208	
2/13/2021	Long	\$13.07239	\$1.40388	\$15.78623
2/14/2021	Long	\$13.07239	\$1.40388	\$15.78623
2/15/2021	Long	\$13.07239	\$1.40388	\$15.78623
2/16/2021	Long	\$13.07239	\$1.40388	\$15.78623
2/17/2021	Long	\$2.22261	\$2.22261	\$13.61888
2/18/2021	Long	\$1.88985	\$1.88985	\$1.98476
2/19/2021	Long	\$0.62576	\$0.62576	\$0.61119
2/20/2021	Long	\$0.39619	\$0.39619	\$0.38243
2/21/2021	Long	\$0.39619	\$0.39619	\$0.38243
2/22/2021	Long	\$0.39619	\$0.39619	\$0.38243
2/23/2021	Long	\$0.27386	\$0.27386	\$0.27289
2/24/2021	Long	\$0.27386	\$0.27386	\$0.27544
2/25/2021	Long	\$0.26933	\$0.26933	\$0.26983
2/26/2021	Long	\$0.25443	\$0.25411	\$0.25200
2/27/2021	Long	\$0.25443	\$0.25411	\$0.25200
2/28/2021	Short	\$0.25869	\$0.28394	\$0.26735
Average		\$2.29136	\$0.62275	\$3.13590

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
3/1/2021	Short	\$0.26406	\$0.27668	\$0.27676
3/2/2021	Long	\$0.26214	\$0.26343	\$0.26168
3/3/2021	Short	\$0.28041	\$0.29368	\$0.29255
3/4/2021	Long	\$0.26676	\$0.27222	\$0.27442
3/5/2021	Long	\$0.25700	\$0.26239	\$0.26066
3/6/2021	Long	\$0.25494	\$0.25722	\$0.25404
3/7/2021	Long	\$0.25494	\$0.25722	\$0.25404
3/8/2021	Long	\$0.25494	\$0.25722	\$0.25404
3/9/2021	Long	\$0.23901	\$0.24066	\$0.24028
3/10/2021	Long	\$0.24261	\$0.24170	\$0.24130
3/11/2021	Long	\$0.25032	\$0.25411	\$0.24843
3/12/2021	Short	\$0.25841	\$0.26947	\$0.27116
3/13/2021	Long	\$0.24775	\$0.24842	\$0.24589
3/14/2021	Short	\$0.25121	\$0.26535	\$0.26555
3/15/2021	Long	\$0.24775	\$0.24842	\$0.24589
3/16/2021	Short	\$0.24919	\$0.26226	\$0.26657
3/17/2021	Long	\$0.24114	\$0.24114	\$0.23977
3/18/2021	Long	\$0.24055	\$0.24170	\$0.23926
3/19/2021	Long	\$0.23336	\$0.23393	\$0.23060
3/20/2021	Long	\$0.22976	\$0.23135	\$0.22500
3/21/2021	Long	\$0.22976	\$0.23135	\$0.22500
3/22/2021	Long	\$0.22976	\$0.23135	\$0.22500
3/23/2021	Long	\$0.23438	\$0.23497	\$0.23570
3/24/2021	Long	\$0.23541	\$0.23859	\$0.23468
3/25/2021	Short	\$0.23888	\$0.25402	\$0.25740
3/26/2021	Short	\$0.24064	\$0.25556	\$0.25587
3/27/2021	Short	\$0.23157	\$0.25093	\$0.25027
3/28/2021	Short	\$0.23157	\$0.25093	\$0.25027
3/29/2021	Long	\$0.22719	\$0.22669	\$0.22958
3/30/2021	Short	\$0.23682	\$0.24823	\$0.25791
3/31/2021	Short	\$0.24658	\$0.26220	\$0.26453
Average		\$0.24545	\$0.25172	\$0.25078

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
4/1/2021	Long	\$0.24447	\$0.24774	\$0.25843
4/2/2021	Long	\$0.23427	\$0.23797	\$0.23611
4/3/2021	Long	\$0.23427	\$0.23797	\$0.23611
4/4/2021	Long	\$0.23427	\$0.23797	\$0.23611
4/5/2021	Long	\$0.23427	\$0.23797	\$0.23611
4/6/2021	Long	\$0.21845	\$0.22089	\$0.22141
4/7/2021	Long	\$0.22457	\$0.22606	\$0.22344
4/8/2021	Long	\$0.22763	\$0.23176	\$0.23155
4/9/2021	Short	\$0.24416	\$0.24416	\$0.23943
4/10/2021	Short	\$0.24153	\$0.24340	\$0.24298
4/11/2021	Short	\$0.24153	\$0.24340	\$0.24298
4/12/2021	Short	\$0.24153	\$0.24340	\$0.24298
4/13/2021	Short	\$0.24970	\$0.25422	\$0.26124
4/14/2021	Short	\$0.25888	\$0.26297	\$0.26530
4/15/2021	Short	\$0.25786	\$0.26246	\$0.26327
4/16/2021	Long	\$0.25213	\$0.25392	\$0.25437
4/17/2021	Long	\$0.26131	\$0.26217	\$0.26096
4/18/2021	Short	\$0.26807	\$0.27031	\$0.26986
4/19/2021	Short	\$0.26807	\$0.27031	\$0.26986
4/20/2021	Short	\$0.27537	\$0.27740	\$0.28812
4/21/2021	Short	\$0.28292	\$0.28292	\$0.28761
4/22/2021	Short	\$0.27164	\$0.27328	\$0.27392
4/23/2021	Short	\$0.27113	\$0.27393	\$0.26986
4/24/2021	Short	\$0.26858	\$0.27031	\$0.26935
4/25/2021	Long	\$0.26178	\$0.26178	\$0.26096
4/26/2021	Long	\$0.26178	\$0.26178	\$0.26096
4/27/2021	Long	\$0.25570	\$0.25659	\$0.25741
4/28/2021	Long	\$0.27254	\$0.27626	\$0.27466
4/29/2021	Long	\$0.27764	\$0.27990	\$0.28176
4/30/2021	Long	\$0.27203	\$0.27336	\$0.27060
Average		\$0.25360	\$0.25589	\$0.25626

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
5/1/2021	Long	\$0.26693	\$0.26832	\$0.26553
5/2/2021	Long	\$0.26693	\$0.26832	\$0.26553
5/3/2021	Long	\$0.26693	\$0.26832	\$0.26553
5/4/2021	Long	\$0.27407	\$0.27884	\$0.27719
5/5/2021	Long	\$0.27560	\$0.28041	\$0.27516
5/6/2021	Short	\$0.27981	\$0.28887	\$0.28819
5/7/2021	Long	\$0.27509	\$0.27781	\$0.27618
5/8/2021	Long	\$0.27662	\$0.27739	\$0.27516
5/9/2021	Short	\$0.28287	\$0.28732	\$0.28768
5/10/2021	Short	\$0.28287	\$0.28732	\$0.28768
5/11/2021	Long	\$0.28041	\$0.28041	\$0.28074
5/12/2021	Long	\$0.28091	\$0.28091	\$0.27922
5/13/2021	Short	\$0.28849	\$0.29093	\$0.28920
5/14/2021	Long	\$0.27789	\$0.27789	\$0.27516
5/15/2021	Short	\$0.28083	\$0.28320	\$0.28210
5/16/2021	Short	\$0.28083	\$0.28320	\$0.28210
5/17/2021	Long	\$0.27185	\$0.27160	\$0.27364
5/18/2021	Long	\$0.28683	\$0.28896	\$0.28733
5/19/2021	Long	\$0.28734	\$0.28816	\$0.28733
5/20/2021	Long	\$0.27713	\$0.28040	\$0.27719
5/21/2021	Long	\$0.27356	\$0.27470	\$0.27364
5/22/2021	Long	\$0.26693	\$0.26901	\$0.26806
5/23/2021	Long	\$0.26693	\$0.26901	\$0.26806
5/24/2021	Long	\$0.26693	\$0.26901	\$0.26806
5/25/2021	Long	\$0.27101	\$0.27286	\$0.27009
5/26/2021	Long	\$0.26795	\$0.27056	\$0.27313
5/27/2021	Short	\$0.28242	\$0.29144	\$0.28717
5/28/2021	Long	\$0.26999	\$0.27336	\$0.27161
5/29/2021	Long	\$0.26999	\$0.27336	\$0.27161
5/30/2021	Long	\$0.26999	\$0.27336	\$0.27161
5/31/2021	Long	\$0.26999	\$0.27336	\$0.27161
Average	_	\$0.27535	\$0.27802	\$0.27653

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		ripeille	Fipelille	das Fipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
6/1/2021	Long	\$0.27509	\$0.27470	\$0.27364
6/2/2021	Short	\$0.30247	\$0.33565	\$0.30015
6/3/2021	Short	\$0.29890	\$0.33462	\$0.30066
6/4/2021	Long	\$0.28070	\$0.28195	\$0.28632
6/5/2021	Long	\$0.27509	\$0.27470	\$0.28632
6/6/2021	Short	\$0.28997	\$0.32020	\$0.29103
6/7/2021	Long	\$0.27509	\$0.27470	\$0.28632
6/8/2021	Short	\$0.30407	\$0.33050	\$0.30066
6/9/2021	Short	\$0.30810	\$0.34441	\$0.31385
6/10/2021	Long	\$0.29755	\$0.29799	\$0.30762
6/11/2021	Long	\$0.30061	\$0.30420	\$0.30458
6/12/2021	Long	\$0.31541	\$0.31766	\$0.31573
6/13/2021	Short	\$0.32186	\$0.35986	\$0.32450
6/14/2021	Long	\$0.31541	\$0.31766	\$0.31573
6/15/2021	Long	\$0.32153	\$0.32320	\$0.32182
6/16/2021	Long	\$0.32255	\$0.32320	\$0.32131
6/17/2021	Long	\$0.31313	\$0.31313	\$0.30863
6/18/2021	Long	\$0.31234	\$0.31363	\$0.30914
6/19/2021	Long	\$0.30961	\$0.30961	\$0.30508
6/20/2021	Long	\$0.30961	\$0.30961	\$0.30508
6/21/2021	Short	\$0.31982	\$0.34853	\$0.31892
6/22/2021	Long	\$0.29959	\$0.30256	\$0.29950
6/23/2021	Long	\$0.30469	\$0.30109	\$0.30559
6/24/2021	Long	\$0.30469	\$0.30420	\$0.31269
6/25/2021	Long	\$0.31132	\$0.31506	\$0.31827
6/26/2021	Long	\$0.32612	\$0.33059	\$0.33247
6/27/2021	Short	\$0.33578	\$0.37016	\$0.34225
6/28/2021	Short	\$0.33578	\$0.37016	\$0.34225
6/29/2021	Short	\$0.36196	\$0.39339	\$0.37064
6/30/2021	Short	\$0.37850	\$0.41253	\$0.38586
Average		\$0.31091	\$0.32365	\$0.31355

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelifie	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
7/1/2021	Long	\$0.35725	\$0.35793	\$0.36391
7/2/2021	Long	\$0.34837	\$0.34837	\$0.34920
7/3/2021	Short	\$0.35317	\$0.38665	\$0.35686
7/4/2021	Long	\$0.34535	\$0.34535	\$0.34413
7/5/2021	Long	\$0.34535	\$0.34535	\$0.34413
7/6/2021	Short	\$0.35317	\$0.38665	\$0.35686
7/7/2021	Long	\$0.34787	\$0.34787	\$0.34920
7/8/2021	Short	\$0.34704	\$0.38201	\$0.35635
7/9/2021	Short	\$0.35317	\$0.38665	\$0.35838
7/10/2021	Short	\$0.35827	\$0.38974	\$0.36244
7/11/2021	Short	\$0.35827	\$0.38974	\$0.36244
7/12/2021	Short	\$0.35827	\$0.38974	\$0.36244
7/13/2021	Short	\$0.35980	\$0.39235	\$0.36903
7/14/2021	Short	\$0.35592	\$0.38974	\$0.36142
7/15/2021	Short	\$0.35793	\$0.38922	\$0.36497
7/16/2021	Short	\$0.35368	\$0.38614	\$0.35939
7/17/2021	Short	\$0.35470	\$0.38407	\$0.35838
7/18/2021	Short	\$0.35470	\$0.38407	\$0.35838
7/19/2021	Short	\$0.35470	\$0.38407	\$0.35838
7/20/2021	Short	\$0.36700	\$0.39494	\$0.37816
7/21/2021	Short	\$0.37205	\$0.40425	\$0.38373
7/22/2021	Short	\$0.38430	\$0.41357	\$0.38881
7/23/2021	Short	\$0.38174	\$0.41253	\$0.38931
7/24/2021	Short	\$0.39450	\$0.42495	\$0.39844
7/25/2021	Short	\$0.39450	\$0.42495	\$0.39844
7/26/2021	Short	\$0.39450	\$0.42495	\$0.39844
7/27/2021	Long	\$0.39297	\$0.39786	\$0.39839
7/28/2021	Long	\$0.39317	\$0.39317	\$0.39282
7/29/2021	Long	\$0.38864	\$0.38864	\$0.38572
7/30/2021	Long	\$0.38022	\$0.38311	\$0.38064
7/31/2021	Long	\$0.38022	\$0.38311	\$0.38064
Average		\$0.36583	\$0.38748	\$0.36999

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelille	Pipeillie	Gas Pipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
8/1/2021	Long	\$0.37103	\$0.37203	\$0.36847
8/2/2021	Long	\$0.37103	\$0.37203	\$0.36847
8/3/2021	Short	\$0.39057	\$0.39202	\$0.39814
8/4/2021	Short	\$0.39057	\$0.39546	\$0.39814
8/5/2021	Short	\$0.40475	\$0.40833	\$0.41386
8/6/2021	Short	\$0.41029	\$0.41143	\$0.41589
8/7/2021	Long	\$0.40216	\$0.40228	\$0.40600
8/8/2021	Short	\$0.40945	\$0.41013	\$0.41336
8/9/2021	Short	\$0.40945	\$0.41013	\$0.41336
8/10/2021	Short	\$0.40626	\$0.40626	\$0.41285
8/11/2021	Short	\$0.40486	\$0.40599	\$0.41133
8/12/2021	Short	\$0.39720	\$0.39978	\$0.40626
8/13/2021	Short	\$0.38955	\$0.39494	\$0.39865
8/14/2021	Long	\$0.37817	\$0.37958	\$0.37304
8/15/2021	Short	\$0.38546	\$0.38670	\$0.38851
8/16/2021	Long	\$0.37817	\$0.37958	\$0.37304
8/17/2021	Long	\$0.37460	\$0.37819	\$0.37659
8/18/2021	Long	\$0.36797	\$0.37395	\$0.37101
8/19/2021	Short	\$0.37577	\$0.37640	\$0.38039
8/20/2021	Long	\$0.36184	\$0.36474	\$0.36594
8/21/2021	Long	\$0.37205	\$0.37768	\$0.36594
8/22/2021	Long	\$0.37205	\$0.37768	\$0.36594
8/23/2021	Short	\$0.37958	\$0.38567	\$0.38090
8/24/2021	Short	\$0.39317	\$0.39317	\$0.39713
8/25/2021	Long	\$0.38277	\$0.38596	\$0.38876
8/26/2021	Long	\$0.38583	\$0.39320	\$0.39890
8/27/2021	Long	\$0.39808	\$0.40303	\$0.40144
8/28/2021	Long	\$0.42257	\$0.42388	\$0.42223
8/29/2021	Long	\$0.42257	\$0.42388	\$0.42223
8/30/2021	Short	\$0.42986	\$0.43254	\$0.43161
8/31/2021	Short	\$0.42425	\$0.42636	\$0.42654
Average		\$0.39232	\$0.39494	\$0.39532

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Tipellie	Tipellile	Gus i ipeniie
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
9/1/2021	Short	\$0.42350	\$0.46130	\$0.42759
9/2/2021	Long	\$0.43585	\$0.43875	\$0.43997
9/3/2021	Long	\$0.45354	\$0.45354	\$0.45009
9/4/2021	Short	\$0.46525	\$0.50190	\$0.46756
9/5/2021	Long	\$0.45404	\$0.45404	\$0.44756
9/6/2021	Long	\$0.45404	\$0.45404	\$0.44756
9/7/2021	Short	\$0.46525	\$0.50190	\$0.46756
9/8/2021	Long	\$0.45062	\$0.45103	\$0.43744
9/9/2021	Long	\$0.47862	\$0.47592	\$0.47337
9/10/2021	Long	\$0.47658	\$0.47865	\$0.46881
9/11/2021	Long	\$0.48418	\$0.48418	\$0.47640
9/12/2021	Long	\$0.48418	\$0.48418	\$0.47640
9/13/2021	Long	\$0.48418	\$0.48418	\$0.47640
9/14/2021	Long	\$0.50968	\$0.51103	\$0.50980
9/15/2021	Long	\$0.51482	\$0.51482	\$0.51131
9/16/2021	Long	\$0.54837	\$0.54613	\$0.54875
9/17/2021	Long	\$0.51833	\$0.52393	\$0.52700
9/18/2021	Long	\$0.50458	\$0.50628	\$0.49664
9/19/2021	Long	\$0.50458	\$0.50628	\$0.49664
9/20/2021	Short	\$0.51107	\$0.54815	\$0.51006
9/21/2021	Short	\$0.49936	\$0.53582	\$0.50550
9/22/2021	Short	\$0.47442	\$0.51064	\$0.47919
9/23/2021	Long	\$0.46182	\$0.46660	\$0.46426
9/24/2021	Long	\$0.46710	\$0.46710	\$0.46021
9/25/2021	Long	\$0.45053	\$0.45053	\$0.44908
9/26/2021	Long	\$0.45053	\$0.45053	\$0.44908
9/27/2021	Short	\$0.46220	\$0.50190	\$0.46705
9/28/2021	Short	\$0.50879	\$0.55072	\$0.51158
9/29/2021	Short	\$0.55333	\$0.59389	\$0.55306
9/30/2021	Short	\$0.53297	\$0.57231	\$0.54193
Average		\$0.48274	\$0.49601	\$0.48126

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelille	Pipelille	das Fipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
10/1/2021	Long	\$0.53718	\$0.54244	\$0.54067
10/2/2021	Long	\$0.52988	\$0.52988	\$0.52954
10/3/2021	Short	\$0.54042	\$0.55206	\$0.54644
10/4/2021	Short	\$0.54042	\$0.55206	\$0.54644
10/5/2021	Short	\$0.58013	\$0.59215	\$0.59349
10/6/2021	Short	\$0.60864	\$0.61630	\$0.61879
10/7/2021	Short	\$0.58013	\$0.58444	\$0.58489
10/8/2021	Long	\$0.53972	\$0.54395	\$0.54168
10/9/2021	Long	\$0.51580	\$0.51934	\$0.51335
10/10/2021	Short	\$0.52005	\$0.54589	\$0.53126
10/11/2021	Short	\$0.52005	\$0.54589	\$0.53126
10/12/2021	Short	\$0.51030	\$0.52893	\$0.51608
10/13/2021	Long	\$0.50408	\$0.51052	\$0.50981
10/14/2021	Short	\$0.51984	\$0.53202	\$0.53025
10/15/2021	Short	\$0.56454	\$0.57159	\$0.57022
10/16/2021	Long	\$0.50176	\$0.50176	\$0.50475
10/17/2021	Long	\$0.50176	\$0.50176	\$0.50475
10/18/2021	Long	\$0.50176	\$0.50176	\$0.50475
10/19/2021	Long	\$0.48168	\$0.48316	\$0.47995
10/20/2021	Long	\$0.46285	\$0.46509	\$0.46275
10/21/2021	Short	\$0.48569	\$0.49245	\$0.50090
10/22/2021	Short	\$0.50122	\$0.50581	\$0.50697
10/23/2021	Short	\$0.50580	\$0.52174	\$0.51001
10/24/2021	Short	\$0.50580	\$0.52174	\$0.51001
10/25/2021	Short	\$0.50580	\$0.52174	\$0.51001
10/26/2021	Short	\$0.56504	\$0.56748	\$0.56819
10/27/2021	Short	\$0.56002	\$0.56594	\$0.57123
10/28/2021	Short	\$0.58675	\$0.59626	\$0.60007
10/29/2021	Short	\$0.55671	\$0.56018	\$0.55807
10/30/2021	Short	\$0.55671	\$0.56018	\$0.55807
10/31/2021	Short	\$0.55671	\$0.56018	\$0.55807
Average		\$0.53056	\$0.53854	\$0.53589

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
11/1/2021	Short	\$0.52308	\$0.56311	\$0.54161
11/2/2021	Short	\$0.51544	\$0.54358	\$0.52344
11/3/2021	Short	\$0.53886	\$0.57669	\$0.55422
11/4/2021	Short	\$0.55650	\$0.59754	\$0.57138
11/5/2021	Long	\$0.54940	\$0.55761	\$0.55283
11/6/2021	Long	\$0.50612	\$0.51476	\$0.50691
11/7/2021	Long	\$0.50612	\$0.51476	\$0.50691
11/8/2021	Long	\$0.50612	\$0.51476	\$0.50691
11/9/2021	Long	\$0.50663	\$0.50598	\$0.51448
11/10/2021	Long	\$0.46488	\$0.45849	\$0.46100
11/11/2021	Short	\$0.44976	\$0.48945	\$0.46188
11/12/2021	Short	\$0.47564	\$0.52148	\$0.48762
11/13/2021	Long	\$0.46692	\$0.47191	\$0.47462
11/14/2021	Short	\$0.47413	\$0.51480	\$0.48661
11/15/2021	Short	\$0.47413	\$0.51480	\$0.48661
11/16/2021	Short	\$0.45740	\$0.49564	\$0.47399
11/17/2021	Short	\$0.49915	\$0.53793	\$0.51335
11/18/2021	Short	\$0.48337	\$0.52197	\$0.49518
11/19/2021	Short	\$0.48642	\$0.53022	\$0.50275
11/20/2021	Short	\$0.48438	\$0.52611	\$0.49922
11/21/2021	Short	\$0.48438	\$0.52611	\$0.49922
11/22/2021	Short	\$0.48438	\$0.52611	\$0.49922
11/23/2021	Short	\$0.46258	\$0.49321	\$0.47097
11/24/2021	Long	\$0.46946	\$0.46314	\$0.47210
11/25/2021	Short	\$0.48217	\$0.52199	\$0.49619
11/26/2021	Short	\$0.48217	\$0.52199	\$0.49619
11/27/2021	Short	\$0.48217	\$0.52199	\$0.49619
11/28/2021	Short	\$0.48217	\$0.52199	\$0.49619
11/29/2021	Long	\$0.47659	\$0.47862	\$0.48118
11/30/2021	Short	\$0.47464	\$0.51840	\$0.48459
Average		\$0.49017	\$0.51884	\$0.50045

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelille	Pipeillie	Gas Pipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
12/1/2021	Long	\$0.40633	\$0.41151	\$0.40701
12/2/2021	Long	\$0.39157	\$0.39189	\$0.39086
12/3/2021	Short	\$0.38523	\$0.42178	\$0.39944
12/4/2021	Short	\$0.38367	\$0.41664	\$0.39288
12/5/2021	Short	\$0.38367	\$0.41664	\$0.39288
12/6/2021	Short	\$0.38367	\$0.41664	\$0.39288
12/7/2021	Short	\$0.35261	\$0.38786	\$0.37220
12/8/2021	Short	\$0.36076	\$0.39652	\$0.38531
12/9/2021	Long	\$0.35745	\$0.35369	\$0.36159
12/10/2021	Long	\$0.34727	\$0.34285	\$0.34595
12/11/2021	Short	\$0.35974	\$0.39762	\$0.37472
12/12/2021	Long	\$0.35542	\$0.35317	\$0.35554
12/13/2021	Long	\$0.35542	\$0.35317	\$0.35554
12/14/2021	Long	\$0.37375	\$0.37124	\$0.37219
12/15/2021	Long	\$0.33862	\$0.33562	\$0.33788
12/16/2021	Short	\$0.36534	\$0.40174	\$0.38178
12/17/2021	Short	\$0.36788	\$0.40117	\$0.38481
12/18/2021	Short	\$0.36025	\$0.39608	\$0.37371
12/19/2021	Short	\$0.36025	\$0.39608	\$0.37371
12/20/2021	Short	\$0.36025	\$0.39608	\$0.37371
12/21/2021	Short	\$0.37959	\$0.41304	\$0.40247
12/22/2021	Long	\$0.37268	\$0.37268	\$0.37370
12/23/2021	Long	\$0.37477	\$0.37073	\$0.37421
12/24/2021	Long	\$0.33302	\$0.32168	\$0.32779
12/25/2021	Long	\$0.33302	\$0.32168	\$0.32779
12/26/2021	Long	\$0.33302	\$0.32168	\$0.32779
12/27/2021	Long	\$0.33302	\$0.32168	\$0.32779
12/28/2021	Short	\$0.34294	\$0.36833	\$0.37421
12/29/2021	Short	\$0.37247	\$0.38413	\$0.42265
12/30/2021	Long	\$0.35108	\$0.33356	\$0.37320
12/31/2021	Long	\$0.35108	\$0.33356	\$0.37320
Average		\$0.36212	\$0.37486	\$0.37192

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		1 ipellile	Tipellile	dus i ipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
1/1/2020	Long	\$0.18797	\$0.14624	\$0.19665
1/2/2020	Long	\$0.18797	\$0.14624	\$0.19665
1/3/2020	Long	\$0.18118	\$0.15760	\$0.19512
1/4/2020	Short	\$0.19440	\$0.22981	\$0.22660
1/5/2020	Short	\$0.19440	\$0.22981	\$0.22660
1/6/2020	Short	\$0.19440	\$0.22981	\$0.22660
1/7/2020	Short	\$0.20548	\$0.23753	\$0.24034
1/8/2020	Long	\$0.18953	\$0.17258	\$0.20581
1/9/2020	Long	\$0.19058	\$0.17361	\$0.20072
1/10/2020	Long	\$0.18953	\$0.16173	\$0.20225
1/11/2020	Long	\$0.20154	\$0.17154	\$0.20733
1/12/2020	Long	\$0.20154	\$0.17154	\$0.20733
1/13/2020	Long	\$0.20154	\$0.17154	\$0.20733
1/14/2020	Long	\$0.19319	\$0.15450	\$0.20937
1/15/2020	Short	\$0.20699	\$0.24113	\$0.24899
1/16/2020	Short	\$0.19843	\$0.23393	\$0.24797
1/17/2020	Long	\$0.19841	\$0.17309	\$0.20530
1/18/2020	Long	\$0.19736	\$0.16845	\$0.22005
1/19/2020	Long	\$0.19736	\$0.16845	\$0.22005
1/20/2020	Long	\$0.19736	\$0.16845	\$0.22005
1/21/2020	Long	\$0.19736	\$0.16845	\$0.22005
1/22/2020	Long	\$0.17596	\$0.15243	\$0.18189
1/23/2020	Short	\$0.18212	\$0.22210	\$0.21388
1/24/2020	Long	\$0.17961	\$0.15812	\$0.18342
1/25/2020	Long	\$0.17439	\$0.16121	\$0.17935
1/26/2020	Short	\$0.18056	\$0.21901	\$0.21083
1/27/2020	Short	\$0.18056	\$0.21901	\$0.21083
1/28/2020	Short	\$0.18995	\$0.22107	\$0.21795
1/29/2020	Short	\$0.18282	\$0.22313	\$0.21643
1/30/2020	Short	\$0.18943	\$0.22158	\$0.21541
1/31/2020	Long	\$0.17335	\$0.16173	\$0.17782
Average		\$0.19082	\$0.18824	\$0.21093

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
2/1/2020	Long	\$0.16499	\$0.14572	\$0.16663
2/2/2020	Long	\$0.16499	\$0.14572	\$0.16663
2/3/2020	Long	\$0.16499	\$0.14572	\$0.16663
2/4/2020	Long	\$0.17375	\$0.15347	\$0.17680
2/5/2020	Short	\$0.17774	\$0.20780	\$0.21469
2/6/2020	Short	\$0.18139	\$0.20882	\$0.21418
2/7/2020	Short	\$0.18035	\$0.20934	\$0.21418
2/8/2020	Long	\$0.17677	\$0.16793	\$0.17986
2/9/2020	Short	\$0.18505	\$0.20882	\$0.21520
2/10/2020	Short	\$0.18505	\$0.20882	\$0.21520
2/11/2020	Short	\$0.17930	\$0.20471	\$0.20859
2/12/2020	Short	\$0.18035	\$0.20471	\$0.21826
2/13/2020	Short	\$0.19027	\$0.21551	\$0.24878
2/14/2020	Short	\$0.18766	\$0.21243	\$0.22538
2/15/2020	Short	\$0.17721	\$0.20625	\$0.20961
2/16/2020	Long	\$0.17021	\$0.15553	\$0.17375
2/17/2020	Short	\$0.17721	\$0.20625	\$0.20961
2/18/2020	Short	\$0.17721	\$0.20625	\$0.20961
2/19/2020	Short	\$0.18818	\$0.22014	\$0.23098
2/20/2020	Short	\$0.19236	\$0.22477	\$0.23047
2/21/2020	Long	\$0.17909	\$0.17258	\$0.18342
2/22/2020	Long	\$0.17544	\$0.16741	\$0.17477
2/23/2020	Long	\$0.17544	\$0.16741	\$0.17477
2/24/2020	Long	\$0.17544	\$0.16741	\$0.17477
2/25/2020	Long	\$0.17021	\$0.16225	\$0.17680
2/26/2020	Short	\$0.18400	\$0.21191	\$0.21520
2/27/2020	Short	\$0.18609	\$0.21140	\$0.21469
2/28/2020	Short	\$0.16418	\$0.19751	\$0.20096
2/29/2020	Long	\$0.15612	\$0.14365	\$0.16459
Average		\$0.17728	\$0.18828	\$0.19914

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
3/1/2020	Long	\$0.14881	\$0.14520	\$0.15645
3/2/2020	Short	\$0.15915	\$0.22697	\$0.18991
3/3/2020	Long	\$0.14306	\$0.14159	\$0.15696
3/4/2020	Long	\$0.14672	\$0.14417	\$0.15696
3/5/2020	Short	\$0.16670	\$0.23674	\$0.19348
3/6/2020	Long	\$0.14150	\$0.14520	\$0.15696
3/7/2020	Long	\$0.13575	\$0.13591	\$0.14424
3/8/2020	Short	\$0.15411	\$0.22440	\$0.17821
3/9/2020	Short	\$0.15411	\$0.22440	\$0.17821
3/10/2020	Short	\$0.15562	\$0.22388	\$0.18686
3/11/2020	Long	\$0.15612	\$0.14727	\$0.16561
3/12/2020	Long	\$0.16290	\$0.15657	\$0.17884
3/13/2020	Short	\$0.16771	\$0.23520	\$0.19907
3/14/2020	Short	\$0.17526	\$0.24394	\$0.20874
3/15/2020	Short	\$0.17526	\$0.24394	\$0.20874
3/16/2020	Short	\$0.17526	\$0.24394	\$0.20874
3/17/2020	Short	\$0.16871	\$0.23880	\$0.20111
3/18/2020	Long	\$0.14306	\$0.14934	\$0.16408
3/19/2020	Short	\$0.15008	\$0.21668	\$0.18432
3/20/2020	Short	\$0.15411	\$0.22285	\$0.19144
3/21/2020	Short	\$0.15922	\$0.22388	\$0.18788
3/22/2020	Short	\$0.15922	\$0.22388	\$0.18788
3/23/2020	Short	\$0.15922	\$0.22388	\$0.18788
3/24/2020	Long	\$0.14411	\$0.14572	\$0.14780
3/25/2020	Long	\$0.13784	\$0.13384	\$0.15136
3/26/2020	Long	\$0.13784	\$0.13694	\$0.15136
3/27/2020	Long	\$0.13367	\$0.13177	\$0.13966
3/28/2020	Long	\$0.12270	\$0.11628	\$0.12847
3/29/2020	Short	\$0.14051	\$0.20639	\$0.16040
3/30/2020	Long	\$0.12270	\$0.11628	\$0.12847
3/31/2020	Long	\$0.12897	\$0.12713	\$0.13254
Average		\$0.15097	\$0.18493	\$0.17138

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
4/1/2020	Long	\$0.12867	\$0.10171	\$0.15342
4/2/2020	Long	\$0.13433	\$0.10687	\$0.14886
4/3/2020	Short	\$0.14756	\$0.15280	\$0.16606
4/4/2020	Long	\$0.13073	\$0.10429	\$0.13872
4/5/2020	Short	\$0.14353	\$0.14920	\$0.15794
4/6/2020	Long	\$0.13073	\$0.10429	\$0.13872
4/7/2020	Long	\$0.14153	\$0.11669	\$0.15444
4/8/2020	Long	\$0.15594	\$0.13580	\$0.17168
4/9/2020	Long	\$0.16366	\$0.14819	\$0.17625
4/10/2020	Long	\$0.15903	\$0.14458	\$0.17016
4/11/2020	Long	\$0.15903	\$0.14458	\$0.17016
4/12/2020	Short	\$0.16878	\$0.17698	\$0.18888
4/13/2020	Short	\$0.16878	\$0.17698	\$0.18888
4/14/2020	Short	\$0.18080	\$0.18521	\$0.20460
4/15/2020	Short	\$0.17023	\$0.17389	\$0.19192
4/16/2020	Short	\$0.16368	\$0.16823	\$0.18279
4/17/2020	Short	\$0.15411	\$0.16154	\$0.17316
4/18/2020	Long	\$0.14565	\$0.14251	\$0.16509
4/19/2020	Long	\$0.14565	\$0.14251	\$0.16509
4/20/2020	Long	\$0.14565	\$0.14251	\$0.16509
4/21/2020	Short	\$0.17526	\$0.18109	\$0.18736
4/22/2020	Long	\$0.16263	\$0.16111	\$0.17726
4/23/2020	Long	\$0.16160	\$0.16111	\$0.18233
4/24/2020	Long	\$0.16520	\$0.16472	\$0.18487
4/25/2020	Long	\$0.16212	\$0.16007	\$0.17118
4/26/2020	Long	\$0.16212	\$0.16007	\$0.17118
4/27/2020	Long	\$0.16212	\$0.16007	\$0.17118
4/28/2020	Long	\$0.15800	\$0.15439	\$0.15850
4/29/2020	Long	\$0.16520	\$0.16369	\$0.16965
4/30/2020	Long	\$0.16569	\$0.16408	\$0.16408
Average		\$0.15593	\$0.15033	\$0.17032

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Тірешіе	- ipeilie	Cus i ipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
5/1/2020	Long	\$0.16366	\$0.16214	\$0.16306
5/2/2020	Long	\$0.16006	\$0.15956	\$0.15951
5/3/2020	Long	\$0.16006	\$0.15956	\$0.15951
5/4/2020	Long	\$0.16006	\$0.15956	\$0.15951
5/5/2020	Short	\$0.18518	\$0.18108	\$0.19589
5/6/2020	Short	\$0.20525	\$0.20242	\$0.21466
5/7/2020	Long	\$0.18990	\$0.18774	\$0.19451
5/8/2020	Short	\$0.19342	\$0.19034	\$0.20147
5/9/2020	Long	\$0.16932	\$0.16768	\$0.17118
5/10/2020	Short	\$0.17901	\$0.17763	\$0.18474
5/11/2020	Short	\$0.17901	\$0.17763	\$0.18474
5/12/2020	Short	\$0.18055	\$0.17918	\$0.18930
5/13/2020	Long	\$0.16469	\$0.16305	\$0.16712
5/14/2020	Long	\$0.15461	\$0.15461	\$0.15647
5/15/2020	Long	\$0.15210	\$0.15173	\$0.15495
5/16/2020	Long	\$0.15594	\$0.15663	\$0.15799
5/17/2020	Short	\$0.16563	\$0.16565	\$0.17307
5/18/2020	Long	\$0.15594	\$0.15663	\$0.15799
5/19/2020	Long	\$0.16932	\$0.16989	\$0.17118
5/20/2020	Long	\$0.17677	\$0.17677	\$0.17777
5/21/2020	Long	\$0.17577	\$0.17577	\$0.17625
5/22/2020	Long	\$0.16006	\$0.16007	\$0.16052
5/23/2020	Short	\$0.16460	\$0.16617	\$0.17104
5/24/2020	Long	\$0.15461	\$0.15461	\$0.15748
5/25/2020	Long	\$0.15461	\$0.15461	\$0.15748
5/26/2020	Long	\$0.15461	\$0.15461	\$0.15748
5/27/2020	Long	\$0.17138	\$0.17143	\$0.17625
5/28/2020	Long	\$0.17292	\$0.17195	\$0.17726
5/29/2020	Short	\$0.17592	\$0.17594	\$0.18017
5/30/2020	Long	\$0.16469	\$0.16469	\$0.16610
5/31/2020	Short	\$0.17592	\$0.17594	\$0.18017
Average		\$0.16921	\$0.16856	\$0.17274

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
6/1/2020	Long	\$0.15411	\$0.15387	\$0.15452
6/2/2020	Short	\$0.16039	\$0.15880	\$0.17200
6/3/2020	Short	\$0.16862	\$0.16810	\$0.18366
6/4/2020	Short	\$0.18406	\$0.18411	\$0.19735
6/5/2020	Long	\$0.17086	\$0.17025	\$0.17227
6/6/2020	Long	\$0.15903	\$0.16007	\$0.15909
6/7/2020	Short	\$0.16553	\$0.16850	\$0.17859
6/8/2020	Short	\$0.16553	\$0.16850	\$0.17859
6/9/2020	Short	\$0.16656	\$0.16901	\$0.17707
6/10/2020	Long	\$0.16109	\$0.16059	\$0.16010
6/11/2020	Long	\$0.16166	\$0.16166	\$0.16112
6/12/2020	Long	\$0.15814	\$0.15814	\$0.15807
6/13/2020	Short	\$0.15627	\$0.15821	\$0.16743
6/14/2020	Short	\$0.15627	\$0.15821	\$0.16743
6/15/2020	Short	\$0.15627	\$0.15821	\$0.16743
6/16/2020	Short	\$0.15370	\$0.15312	\$0.16287
6/17/2020	Short	\$0.14290	\$0.14331	\$0.15779
6/18/2020	Long	\$0.14668	\$0.14458	\$0.14844
6/19/2020	Short	\$0.15113	\$0.15157	\$0.16997
6/20/2020	Short	\$0.15627	\$0.15519	\$0.17098
6/21/2020	Short	\$0.15627	\$0.15519	\$0.17098
6/22/2020	Short	\$0.15627	\$0.15519	\$0.17098
6/23/2020	Short	\$0.16553	\$0.16603	\$0.18011
6/24/2020	Long	\$0.15411	\$0.15276	\$0.15351
6/25/2020	Long	\$0.15851	\$0.15646	\$0.15858
6/26/2020	Long	\$0.14771	\$0.14505	\$0.14945
6/27/2020	Short	\$0.14804	\$0.14641	\$0.16236
6/28/2020	Short	\$0.14804	\$0.14641	\$0.16236
6/29/2020	Long	\$0.14153	\$0.13939	\$0.14286
6/30/2020	Short	\$0.16519	\$0.16593	\$0.18112
Average		\$0.15788	\$0.15776	\$0.16657

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
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Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
7/1/2020	Short	\$0.16720	\$0.17519	\$0.18368
7/2/2020	Short	\$0.15612	\$0.16644	\$0.17709
7/3/2020	Short	\$0.15572	\$0.16336	\$0.17100
7/4/2020	Short	\$0.15572	\$0.16336	\$0.17100
7/5/2020	Short	\$0.15572	\$0.16336	\$0.17100
7/6/2020	Short	\$0.15572	\$0.16336	\$0.17100
7/7/2020	Short	\$0.17476	\$0.18136	\$0.19332
7/8/2020	Short	\$0.18533	\$0.18856	\$0.20346
7/9/2020	Long	\$0.17189	\$0.17195	\$0.18090
7/10/2020	Short	\$0.18145	\$0.19165	\$0.20194
7/11/2020	Short	\$0.17527	\$0.18548	\$0.18926
7/12/2020	Short	\$0.17527	\$0.18548	\$0.18926
7/13/2020	Short	\$0.17527	\$0.18548	\$0.18926
7/14/2020	Short	\$0.17270	\$0.18445	\$0.18926
7/15/2020	Short	\$0.16961	\$0.17930	\$0.18520
7/16/2020	Short	\$0.17115	\$0.18085	\$0.18875
7/17/2020	Short	\$0.17630	\$0.18290	\$0.18977
7/18/2020	Short	\$0.17073	\$0.18085	\$0.18520
7/19/2020	Short	\$0.17073	\$0.18085	\$0.18520
7/20/2020	Short	\$0.17073	\$0.18085	\$0.18520
7/21/2020	Short	\$0.16395	\$0.17107	\$0.17912
7/22/2020	Short	\$0.16368	\$0.17570	\$0.18216
7/23/2020	Short	\$0.16166	\$0.17467	\$0.17861
7/24/2020	Long	\$0.15748	\$0.15542	\$0.15757
7/25/2020	Long	\$0.16057	\$0.15904	\$0.16467
7/26/2020	Short	\$0.16771	\$0.18033	\$0.18571
7/27/2020	Short	\$0.16771	\$0.18033	\$0.18571
7/28/2020	Short	\$0.17174	\$0.18393	\$0.19129
7/29/2020	Short	\$0.17630	\$0.18548	\$0.19535
7/30/2020	Short	\$0.17979	\$0.18959	\$0.19940
7/31/2020	Short	\$0.17630	\$0.18753	\$0.19433
Average		\$0.16885	\$0.17736	\$0.18434

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
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Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
8/1/2020	Long	\$0.16572	\$0.16354	\$0.16822
8/2/2020	Short	\$0.17218	\$0.18506	\$0.18993
8/3/2020	Short	\$0.17218	\$0.18506	\$0.18993
8/4/2020	Short	\$0.18196	\$0.20103	\$0.20210
8/5/2020	Short	\$0.19339	\$0.21031	\$0.21022
8/6/2020	Short	\$0.19641	\$0.21752	\$0.21630
8/7/2020	Long	\$0.18527	\$0.18683	\$0.18698
8/8/2020	Long	\$0.18373	\$0.18114	\$0.18445
8/9/2020	Short	\$0.19037	\$0.21082	\$0.20515
8/10/2020	Long	\$0.18373	\$0.18114	\$0.18445
8/11/2020	Long	\$0.19402	\$0.19512	\$0.19560
8/12/2020	Long	\$0.19710	\$0.19742	\$0.19611
8/13/2020	Long	\$0.19247	\$0.19339	\$0.19256
8/14/2020	Long	\$0.20276	\$0.20340	\$0.20271
8/15/2020	Long	\$0.21203	\$0.21203	\$0.21133
8/16/2020	Long	\$0.21203	\$0.21203	\$0.21133
8/17/2020	Short	\$0.22261	\$0.23401	\$0.23253
8/18/2020	Short	\$0.22312	\$0.23659	\$0.23862
8/19/2020	Short	\$0.23033	\$0.24123	\$0.24166
8/20/2020	Short	\$0.22724	\$0.24432	\$0.24369
8/21/2020	Short	\$0.22724	\$0.23865	\$0.24217
8/22/2020	Short	\$0.22570	\$0.23247	\$0.23558
8/23/2020	Short	\$0.22570	\$0.23247	\$0.23558
8/24/2020	Short	\$0.22570	\$0.23247	\$0.23558
8/25/2020	Short	\$0.24731	\$0.25617	\$0.26094
8/26/2020	Long	\$0.23922	\$0.23922	\$0.23922
8/27/2020	Short	\$0.24370	\$0.25102	\$0.25536
8/28/2020	Short	\$0.24010	\$0.25308	\$0.25079
8/29/2020	Long	\$0.21958	\$0.21958	\$0.21741
8/30/2020	Short	\$0.22621	\$0.24277	\$0.23862
8/31/2020	Short	\$0.22621	\$0.24277	\$0.23862
Average		\$0.20920	\$0.21718	\$0.21786

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
9/1/2020	Short	\$0.21431	\$0.21477	\$0.23071
9/2/2020	Long	\$0.21040	\$0.21043	\$0.20769
9/3/2020	Short	\$0.22408	\$0.22508	\$0.23983
9/4/2020	Short	\$0.22562	\$0.22765	\$0.24490
9/5/2020	Short	\$0.20557	\$0.20344	\$0.22209
9/6/2020	Long	\$0.19785	\$0.19785	\$0.20060
9/7/2020	Short	\$0.20557	\$0.20344	\$0.22209
9/8/2020	Short	\$0.20557	\$0.20344	\$0.22209
9/9/2020	Short	\$0.20288	\$0.20602	\$0.22107
9/10/2020	Short	\$0.20094	\$0.20344	\$0.21753
9/11/2020	Short	\$0.19528	\$0.19880	\$0.21246
9/12/2020	Short	\$0.18036	\$0.18799	\$0.19928
9/13/2020	Short	\$0.18036	\$0.18799	\$0.19928
9/14/2020	Short	\$0.18036	\$0.18799	\$0.19928
9/15/2020	Long	\$0.18879	\$0.18935	\$0.19299
9/16/2020	Long	\$0.18725	\$0.18728	\$0.19198
9/17/2020	Long	\$0.18468	\$0.18314	\$0.19046
9/18/2020	Long	\$0.15999	\$0.15468	\$0.16612
9/19/2020	Long	\$0.13788	\$0.13657	\$0.14331
9/20/2020	Long	\$0.13788	\$0.13657	\$0.14331
9/21/2020	Long	\$0.13788	\$0.13657	\$0.14331
9/22/2020	Long	\$0.14353	\$0.14174	\$0.14635
9/23/2020	Long	\$0.14919	\$0.14835	\$0.15395
9/24/2020	Long	\$0.17234	\$0.17359	\$0.17880
9/25/2020	Long	\$0.18725	\$0.18728	\$0.19096
9/26/2020	Long	\$0.15742	\$0.15002	\$0.16714
9/27/2020	Short	\$0.17116	\$0.17356	\$0.19015
9/28/2020	Short	\$0.17116	\$0.17356	\$0.19015
9/29/2020	Short	\$0.16082	\$0.15914	\$0.17545
9/30/2020	Short	\$0.14127	\$0.14163	\$0.15770
Average		\$0.18059	\$0.18105	\$0.19203

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
10/1/2020	Short	\$0.15497	\$0.14863	\$0.16274
10/2/2020	Short	\$0.14005	\$0.13271	\$0.14651
10/3/2020	Short	\$0.11794	\$0.10794	\$0.11914
10/4/2020	Short	\$0.11794	\$0.10794	\$0.11914
10/5/2020	Long	\$0.10673	\$0.10602	\$0.10729
10/6/2020	Long	\$0.14851	\$0.14793	\$0.14430
10/7/2020	Long	\$0.15455	\$0.15414	\$0.15089
10/8/2020	Long	\$0.15858	\$0.15858	\$0.15799
10/9/2020	Long	\$0.11981	\$0.11981	\$0.11895
10/10/2020	Short	\$0.13388	\$0.13215	\$0.13637
10/11/2020	Long	\$0.12485	\$0.12485	\$0.12199
10/12/2020	Short	\$0.13388	\$0.13215	\$0.13637
10/13/2020	Short	\$0.18326	\$0.18109	\$0.18859
10/14/2020	Short	\$0.19920	\$0.19382	\$0.20532
10/15/2020	Short	\$0.21155	\$0.21032	\$0.22256
10/16/2020	Short	\$0.23315	\$0.22636	\$0.23777
10/17/2020	Long	\$0.21496	\$0.21426	\$0.21832
10/18/2020	Long	\$0.21496	\$0.21426	\$0.21832
10/19/2020	Short	\$0.22646	\$0.21809	\$0.23219
10/20/2020	Short	\$0.24909	\$0.24466	\$0.26667
10/21/2020	Long	\$0.27312	\$0.27092	\$0.27662
10/22/2020	Short	\$0.28509	\$0.27863	\$0.28999
10/23/2020	Short	\$0.31081	\$0.29903	\$0.31787
10/24/2020	Long	\$0.29853	\$0.29101	\$0.32580
10/25/2020	Short	\$0.31030	\$0.29853	\$0.33916
10/26/2020	Short	\$0.31030	\$0.29853	\$0.33916
10/27/2020	Short	\$0.33190	\$0.31615	\$0.66109
10/28/2020	Long	\$0.30507	\$0.30441	\$0.30349
10/29/2020	Short	\$0.31287	\$0.30916	\$0.31787
10/30/2020	Short	\$0.30515	\$0.29881	\$0.30367
10/31/2020	Short	\$0.30515	\$0.29881	\$0.30367
Average		\$0.21589	\$0.21096	\$0.23193

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
11/1/2020	Short	\$0.30204	\$0.30014	\$0.32603
11/2/2020	Short	\$0.30204	\$0.30014	\$0.32603
11/3/2020	Long	\$0.28645	\$0.28645	\$0.27900
11/4/2020	Long	\$0.26581	\$0.26581	\$0.26627
11/5/2020	Long	\$0.24064	\$0.23911	\$0.24130
11/6/2020	Long	\$0.22050	\$0.21789	\$0.22092
11/7/2020	Long	\$0.19734	\$0.19668	\$0.20105
11/8/2020	Long	\$0.19734	\$0.19668	\$0.20105
11/9/2020	Long	\$0.19734	\$0.19668	\$0.20105
11/10/2020	Short	\$0.24907	\$0.24381	\$0.27406
11/11/2020	Short	\$0.26552	\$0.26442	\$0.28782
11/12/2020	Short	\$0.26501	\$0.26493	\$0.29240
11/13/2020	Short	\$0.27684	\$0.27575	\$0.29801
11/14/2020	Short	\$0.27427	\$0.27369	\$0.29902
11/15/2020	Short	\$0.27427	\$0.27369	\$0.29902
11/16/2020	Short	\$0.27427	\$0.27369	\$0.29902
11/17/2020	Short	\$0.25472	\$0.25051	\$0.27559
11/18/2020	Long	\$0.22684	\$0.22876	\$0.23264
11/19/2020	Long	\$0.20892	\$0.20726	\$0.21430
11/20/2020	Short	\$0.21194	\$0.21194	\$0.23126
11/21/2020	Short	\$0.21923	\$0.21698	\$0.24604
11/22/2020	Short	\$0.21923	\$0.21698	\$0.24604
11/23/2020	Short	\$0.21923	\$0.21698	\$0.24604
11/24/2020	Long	\$0.22503	\$0.22065	\$0.22551
11/25/2020	Long	\$0.22604	\$0.22604	\$0.22907
11/26/2020	Long	\$0.22838	\$0.22426	\$0.22347
11/27/2020	Short	\$0.24718	\$0.24718	\$0.25674
11/28/2020	Long	\$0.22838	\$0.22426	\$0.22347
11/29/2020	Short	\$0.24718	\$0.24718	\$0.25674
11/30/2020	Short	\$0.24718	\$0.24718	\$0.25674
Average		\$0.24327	\$0.24186	\$0.25586

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
12/1/2020	Short	\$0.27948	\$0.27220	\$0.29390
12/2/2020	Long	\$0.25624	\$0.25624	\$0.25455
12/3/2020	Long	\$0.26379	\$0.26379	\$0.26219
12/4/2020	Short	\$0.23782	\$0.23711	\$0.25467
12/5/2020	Short	\$0.23936	\$0.24124	\$0.25722
12/6/2020	Short	\$0.23936	\$0.24124	\$0.25722
12/7/2020	Short	\$0.23936	\$0.24124	\$0.25722
12/8/2020	Long	\$0.22100	\$0.22048	\$0.21939
12/9/2020	Long	\$0.22302	\$0.22302	\$0.22194
12/10/2020	Long	\$0.22855	\$0.22855	\$0.22958
12/11/2020	Long	\$0.22805	\$0.22805	\$0.23009
12/12/2020	Long	\$0.24366	\$0.24366	\$0.24283
12/13/2020	Short	\$0.24914	\$0.24896	\$0.26435
12/14/2020	Short	\$0.24914	\$0.24896	\$0.26435
12/15/2020	Short	\$0.27074	\$0.26444	\$0.28983
12/16/2020	Short	\$0.26971	\$0.26185	\$0.28677
12/17/2020	Short	\$0.26611	\$0.26184	\$0.28320
12/18/2020	Short	\$0.27022	\$0.26081	\$0.28371
12/19/2020	Short	\$0.26559	\$0.26339	\$0.27964
12/20/2020	Short	\$0.26559	\$0.26339	\$0.27964
12/21/2020	Long	\$0.25876	\$0.25876	\$0.25811
12/22/2020	Long	\$0.25070	\$0.25070	\$0.24894
12/23/2020	Short	\$0.26817	\$0.26699	\$0.29390
12/24/2020	Long	\$0.26077	\$0.26077	\$0.26678
12/25/2020	Long	\$0.24970	\$0.24950	\$0.25251
12/26/2020	Long	\$0.24970	\$0.24950	\$0.25251
12/27/2020	Short	\$0.25479	\$0.25150	\$0.27505
12/28/2020	Short	\$0.25479	\$0.25150	\$0.27505
12/29/2020	Short	\$0.22342	\$0.21849	\$0.24041
12/30/2020	Short	\$0.23628	\$0.23248	\$0.25875
12/31/2020	Short	\$0.24039	\$0.24270	\$0.26079
Average		\$0.25011	\$0.24850	\$0.26113

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelille	Pipeillie	Gas Pipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
1/1/2019	Long	\$0.30860	\$0.27326	\$0.31920
1/2/2019	Long	\$0.30860	\$0.27326	\$0.31920
1/3/2019	Long	\$0.26689	\$0.24955	\$0.26757
1/4/2019	Long	\$0.25228	\$0.24182	\$0.24814
1/5/2019	Long	\$0.25593	\$0.23305	\$0.25223
1/6/2019	Long	\$0.25593	\$0.23305	\$0.25223
1/7/2019	Long	\$0.25593	\$0.23305	\$0.25223
1/8/2019	Long	\$0.25280	\$0.23666	\$0.25325
1/9/2019	Long	\$0.27365	\$0.25573	\$0.27779
1/10/2019	Long	\$0.27041	\$0.24697	\$0.27319
1/11/2019	Short	\$0.30804	\$0.29761	\$0.35668
1/12/2019	Long	\$0.27208	\$0.25264	\$0.27268
1/13/2019	Short	\$0.30544	\$0.29505	\$0.35463
1/14/2019	Short	\$0.30544	\$0.29505	\$0.35463
1/15/2019	Long	\$0.31013	\$0.29491	\$0.33045
1/16/2019	Long	\$0.34680	\$0.32841	\$0.34988
1/17/2019	Long	\$0.35183	\$0.32016	\$0.35806
1/18/2019	Long	\$0.34278	\$0.31398	\$0.34630
1/19/2019	Long	\$0.32720	\$0.28614	\$0.33863
1/20/2019	Long	\$0.32720	\$0.28614	\$0.33863
1/21/2019	Short	\$0.36486	\$0.35049	\$0.42570
1/22/2019	Long	\$0.32720	\$0.28614	\$0.33863
1/23/2019	Long	\$0.29919	\$0.28563	\$0.30744
1/24/2019	Long	\$0.31430	\$0.28872	\$0.32636
1/25/2019	Long	\$0.31966	\$0.30006	\$0.32789
1/26/2019	Long	\$0.31363	\$0.29284	\$0.32687
1/27/2019	Long	\$0.31363	\$0.29284	\$0.32687
1/28/2019	Long	\$0.31363	\$0.29284	\$0.32687
1/29/2019	Long	\$0.35756	\$0.29542	\$0.39129
1/30/2019	Long	\$0.37893	\$0.27274	\$0.39027
1/31/2019	Long	\$0.39770	\$0.26346	\$0.43577
Average		\$0.30962	\$0.27960	\$0.32386

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
2/1/2019	Long	\$0.26635	\$0.23821	\$0.27524
2/2/2019	Long	\$0.23820	\$0.21604	\$0.25530
2/3/2019	Long	\$0.23820	\$0.21604	\$0.25530
2/4/2019	Short	\$0.25432	\$0.28375	\$0.28337
2/5/2019	Short	\$0.25382	\$0.27349	\$0.31046
2/6/2019	Long	\$0.25384	\$0.22120	\$0.27063
2/7/2019	Long	\$0.25985	\$0.23924	\$0.28444
2/8/2019	Long	\$0.26588	\$0.24903	\$0.35448
2/9/2019	Long	\$0.25281	\$0.24078	\$0.27984
2/10/2019	Long	\$0.25281	\$0.24078	\$0.27984
2/11/2019	Long	\$0.25281	\$0.24078	\$0.27984
2/12/2019	Long	\$0.26136	\$0.24439	\$0.28239
2/13/2019	Long	\$0.26374	\$0.24285	\$0.26910
2/14/2019	Long	\$0.25645	\$0.24285	\$0.27421
2/15/2019	Short	\$0.27004	\$0.27862	\$0.30382
2/16/2019	Long	\$0.26236	\$0.24749	\$0.27524
2/17/2019	Long	\$0.26236	\$0.24749	\$0.27524
2/18/2019	Short	\$0.27056	\$0.28221	\$0.30330
2/19/2019	Long	\$0.26236	\$0.24749	\$0.27524
2/20/2019	Long	\$0.27191	\$0.23924	\$0.28342
2/21/2019	Long	\$0.26940	\$0.22687	\$0.27575
2/22/2019	Long	\$0.27041	\$0.22738	\$0.28035
2/23/2019	Long	\$0.27052	\$0.23460	\$0.28904
2/24/2019	Short	\$0.27786	\$0.29043	\$0.31506
2/25/2019	Short	\$0.27786	\$0.29043	\$0.31506
2/26/2019	Long	\$0.29085	\$0.25109	\$0.32738
2/27/2019	Long	\$0.30207	\$0.28254	\$0.34374
2/28/2019	Long	\$0.29252	\$0.27223	\$0.33045
Average		\$0.26505	\$0.25027	\$0.29098

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
3/1/2019	Long	\$0.29604	\$0.29027	\$0.32534
3/2/2019	Long	\$0.69612	\$0.33593	\$0.87033
3/3/2019	Long	\$0.69612	\$0.33593	\$0.87033
3/4/2019	Long	\$0.69612	\$0.33593	\$0.87033
3/5/2019	Long	\$0.43731	\$0.35109	\$0.46133
3/6/2019	Long	\$0.30860	\$0.29284	\$0.31869
3/7/2019	Long	\$0.29805	\$0.28511	\$0.30693
3/8/2019	Long	\$0.28407	\$0.27480	\$0.28495
3/9/2019	Long	\$0.27469	\$0.25625	\$0.28342
3/10/2019	Long	\$0.27469	\$0.25625	\$0.28342
3/11/2019	Long	\$0.27469	\$0.25625	\$0.28342
3/12/2019	Long	\$0.26062	\$0.24336	\$0.25683
3/13/2019	Long	\$0.26635	\$0.24852	\$0.26297
3/14/2019	Long	\$0.26789	\$0.25367	\$0.26910
3/15/2019	Short	\$0.29388	\$0.30321	\$0.29723
3/16/2019	Long	\$0.26896	\$0.25367	\$0.27217
3/17/2019	Short	\$0.27460	\$0.30064	\$0.28854
3/18/2019	Short	\$0.27460	\$0.30064	\$0.28854
3/19/2019	Long	\$0.27104	\$0.24955	\$0.27319
3/20/2019	Long	\$0.27313	\$0.25573	\$0.27370
3/21/2019	Long	\$0.26062	\$0.24594	\$0.26808
3/22/2019	Long	\$0.26218	\$0.24749	\$0.26654
3/23/2019	Long	\$0.24394	\$0.23666	\$0.25479
3/24/2019	Long	\$0.24394	\$0.23666	\$0.25479
3/25/2019	Short	\$0.27041	\$0.29345	\$0.27372
3/26/2019	Long	\$0.25176	\$0.24182	\$0.25836
3/27/2019	Long	\$0.23456	\$0.23872	\$0.24405
3/28/2019	Long	\$0.23456	\$0.22944	\$0.23894
3/29/2019	Long	\$0.24706	\$0.24027	\$0.24814
3/30/2019	Short	\$0.26136	\$0.28216	\$0.26758
3/31/2019	Short	\$0.26136	\$0.28216	\$0.26758
Average		\$0.31482	\$0.27272	\$0.33817

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
4/1/2019	Long	\$0.24855	\$0.24944	\$0.26523
4/2/2019	Long	\$0.26002	\$0.25717	\$0.26931
4/3/2019	Long	\$0.25168	\$0.25562	\$0.26268
4/4/2019	Long	\$0.25116	\$0.25408	\$0.25861
4/5/2019	Long	\$0.24282	\$0.25098	\$0.25402
4/6/2019	Long	\$0.23084	\$0.23449	\$0.23924
4/7/2019	Long	\$0.23084	\$0.23449	\$0.23924
4/8/2019	Long	\$0.23084	\$0.23449	\$0.23924
4/9/2019	Long	\$0.20895	\$0.19892	\$0.26166
4/10/2019	Long	\$0.22302	\$0.22470	\$0.26574
4/11/2019	Short	\$0.26337	\$0.26813	\$0.27449
4/12/2019	Short	\$0.26035	\$0.26556	\$0.26991
4/13/2019	Long	\$0.21989	\$0.21336	\$0.25555
4/14/2019	Short	\$0.26035	\$0.26556	\$0.26277
4/15/2019	Long	\$0.21989	\$0.21336	\$0.25555
4/16/2019	Long	\$0.11099	\$0.06800	\$0.23924
4/17/2019	Long	\$0.14747	\$0.14119	\$0.24638
4/18/2019	Long	\$0.17977	\$0.17728	\$0.23924
4/19/2019	Long	\$0.14903	\$0.15253	\$0.21733
4/20/2019	Long	\$0.14903	\$0.15253	\$0.21733
4/21/2019	Long	\$0.14903	\$0.15253	\$0.21733
4/22/2019	Long	\$0.14903	\$0.15253	\$0.21733
4/23/2019	Long	\$0.18707	\$0.18140	\$0.21784
4/24/2019	Short	\$0.22366	\$0.23938	\$0.22506
4/25/2019	Short	\$0.22366	\$0.24092	\$0.22812
4/26/2019	Short	\$0.22366	\$0.23784	\$0.22710
4/27/2019	Short	\$0.23221	\$0.24554	\$0.23984
4/28/2019	Short	\$0.23221	\$0.24554	\$0.23984
4/29/2019	Long	\$0.19592	\$0.18604	\$0.23211
4/30/2019	Short	\$0.24326	\$0.25016	\$0.25105
Average		\$0.21329	\$0.21479	\$0.24428

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
5/1/2019	Short	\$0.24628	\$0.25158	\$0.25488
5/2/2019	Short	\$0.25080	\$0.25569	\$0.25947
5/3/2019	Long	\$0.21156	\$0.21026	\$0.24230
5/4/2019	Long	\$0.19332	\$0.20150	\$0.22599
5/5/2019	Long	\$0.19332	\$0.20150	\$0.22599
5/6/2019	Short	\$0.24377	\$0.24645	\$0.23705
5/7/2019	Long	\$0.21937	\$0.21336	\$0.23669
5/8/2019	Short	\$0.23824	\$0.24183	\$0.24826
5/9/2019	Short	\$0.24125	\$0.24593	\$0.24928
5/10/2019	Long	\$0.21104	\$0.18810	\$0.23313
5/11/2019	Long	\$0.20999	\$0.18088	\$0.23364
5/12/2019	Short	\$0.24125	\$0.25004	\$0.24265
5/13/2019	Long	\$0.20999	\$0.18088	\$0.23364
5/14/2019	Long	\$0.21989	\$0.21336	\$0.23822
5/15/2019	Long	\$0.21677	\$0.21645	\$0.23466
5/16/2019	Long	\$0.20791	\$0.19686	\$0.22141
5/17/2019	Long	\$0.20218	\$0.18758	\$0.22854
5/18/2019	Short	\$0.24578	\$0.25209	\$0.24571
5/19/2019	Short	\$0.24578	\$0.25209	\$0.24571
5/20/2019	Long	\$0.19228	\$0.18191	\$0.23568
5/21/2019	Long	\$0.19540	\$0.19016	\$0.24689
5/22/2019	Long	\$0.19228	\$0.17934	\$0.23160
5/23/2019	Short	\$0.25231	\$0.24696	\$0.23042
5/24/2019	Long	\$0.19332	\$0.22768	\$0.21835
5/25/2019	Long	\$0.17144	\$0.23020	\$0.22345
5/26/2019	Long	\$0.17144	\$0.23020	\$0.22345
5/27/2019	Long	\$0.17144	\$0.23020	\$0.22345
5/28/2019	Short	\$0.25231	\$0.24337	\$0.23399
5/29/2019	Short	\$0.25231	\$0.24593	\$0.24367
5/30/2019	Short	\$0.24326	\$0.25209	\$0.25233
5/31/2019	Short	\$0.18247	\$0.25004	\$0.24367
Average		\$0.21673	\$0.22240	\$0.23691

		ANR	Natural Gas	Northern Natural
		Pipeline	Pipeline	Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
6/1/2019	Short	\$0.24326	\$0.24348	\$0.22506
6/2/2019	Short	\$0.24326	\$0.24348	\$0.22506
6/3/2019	Short	\$0.24326	\$0.24348	\$0.22506
6/4/2019	Long	\$0.11308	\$0.05511	\$0.21376
6/5/2019	Long	\$0.15632	\$0.12985	\$0.21223
6/6/2019	Long	\$0.17508	\$0.16027	\$0.21886
6/7/2019	Long	\$0.17091	\$0.14068	\$0.21580
6/8/2019	Long	\$0.14747	\$0.12315	\$0.20051
6/9/2019	Long	\$0.14747	\$0.12315	\$0.20051
6/10/2019	Short	\$0.22417	\$0.23630	\$0.21130
6/11/2019	Long	\$0.16831	\$0.13707	\$0.20816
6/12/2019	Long	\$0.15685	\$0.08965	\$0.21580
6/13/2019	Long	\$0.15841	\$0.10202	\$0.21427
6/14/2019	Long	\$0.16518	\$0.11388	\$0.18013
6/15/2019	Long	\$0.15893	\$0.14789	\$0.16790
6/16/2019	Long	\$0.15893	\$0.14789	\$0.16790
6/17/2019	Short	\$0.22115	\$0.23322	\$0.19754
6/18/2019	Short	\$0.22417	\$0.23938	\$0.23372
6/19/2019	Long	\$0.17456	\$0.17161	\$0.21580
6/20/2019	Short	\$0.22065	\$0.23476	\$0.22862
6/21/2019	Short	\$0.21160	\$0.22911	\$0.21232
6/22/2019	Long	\$0.11672	\$0.11130	\$0.15975
6/23/2019	Short	\$0.20456	\$0.21884	\$0.19448
6/24/2019	Short	\$0.20456	\$0.21884	\$0.19448
6/25/2019	Short	\$0.20456	\$0.22295	\$0.21130
6/26/2019	Short	\$0.20456	\$0.22449	\$0.21639
6/27/2019	Long	\$0.19176	\$0.18913	\$0.20561
6/28/2019	Long	\$0.19071	\$0.18140	\$0.20714
6/29/2019	Long	\$0.19071	\$0.18140	\$0.20714
6/30/2019	Long	\$0.19071	\$0.18140	\$0.20714
Average		\$0.18606	\$0.17584	\$0.20646

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline	
		Pipelille	Pipeilile	das Fipellile	
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate	
7/1/2019	Long	\$0.18915	\$0.18810	\$0.20969	
7/2/2019	Long	\$0.18811	\$0.18191	\$0.20714	
7/3/2019	Long	\$0.17925	\$0.17573	\$0.20765	
7/4/2019	Long	\$0.17925	\$0.16954	\$0.19848	
7/5/2019	Long	\$0.17925	\$0.16954	\$0.19848	
7/6/2019	Long	\$0.17925	\$0.16954	\$0.19848	
7/7/2019	Long	\$0.17925	\$0.16954	\$0.19848	
7/8/2019	Long	\$0.17925	\$0.16954	\$0.19848	
7/9/2019	Long	\$0.18238	\$0.17728	\$0.21020	
7/10/2019	Long	\$0.18498	\$0.17934	\$0.20918	
7/11/2019	Long	\$0.20478	\$0.19789	\$0.23517	
7/12/2019	Short	\$0.23623	\$0.26608	\$0.24199	
7/13/2019	Short	\$0.23613	\$0.26505	\$0.23944	
7/14/2019	Long	\$0.21468	\$0.21593	\$0.23415	
7/15/2019	Short	\$0.23613	\$0.26505	\$0.23944	
7/16/2019	Short	\$0.23509	\$0.26248	\$0.23944	
7/17/2019	Long	\$0.20635	\$0.20356	\$0.22395	
7/18/2019	Long	\$0.19957	\$0.19325	\$0.22446	
7/19/2019	Long	\$0.19436	\$0.18913	\$0.22039	
7/20/2019	Long	\$0.18550	\$0.17521	\$0.20714	
7/21/2019	Long	\$0.18550	\$0.17521	\$0.20714	
7/22/2019	Long	\$0.18550	\$0.17521	\$0.20714	
7/23/2019	Short	\$0.21008	\$0.24554	\$0.20988	
7/24/2019	Short	\$0.22207	\$0.24349	\$0.21192	
7/25/2019	Long	\$0.20155	\$0.18191	\$0.20102	
7/26/2019	Short	\$0.22832	\$0.24092	\$0.21396	
7/27/2019	Short	\$0.21477	\$0.23579	\$0.20326	
7/28/2019	Short	\$0.21477	\$0.23579	\$0.20326	
7/29/2019	Short	\$0.21477	\$0.23579	\$0.20326	
7/30/2019	Short	\$0.21425	\$0.23373	\$0.20988	
7/31/2019	Short	\$0.20708	\$0.23425	\$0.21345	
Average		\$0.20218	\$0.20714	\$0.21374	

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		ripeille	ripeille	das Fipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
8/1/2019	Long	\$0.17977	\$0.07831	\$0.20918
8/2/2019	Short	\$0.21210	\$0.22383	\$0.21533
8/3/2019	Short	\$0.20117	\$0.20535	\$0.19546
8/4/2019	Long	\$0.18238	\$0.17624	\$0.19134
8/5/2019	Short	\$0.20117	\$0.20535	\$0.19546
8/6/2019	Short	\$0.20429	\$0.20586	\$0.19699
8/7/2019	Short	\$0.21419	\$0.21407	\$0.21279
8/8/2019	Short	\$0.21575	\$0.21510	\$0.20820
8/9/2019	Long	\$0.18707	\$0.18501	\$0.19949
8/10/2019	Long	\$0.18446	\$0.18037	\$0.19083
8/11/2019	Short	\$0.20325	\$0.20689	\$0.19444
8/12/2019	Short	\$0.20325	\$0.20689	\$0.19444
8/13/2019	Short	\$0.20950	\$0.21202	\$0.20565
8/14/2019	Short	\$0.21211	\$0.21459	\$0.20973
8/15/2019	Short	\$0.20690	\$0.21253	\$0.20769
8/16/2019	Short	\$0.21159	\$0.21202	\$0.20667
8/17/2019	Short	\$0.20306	\$0.21613	\$0.20718
8/18/2019	Short	\$0.20306	\$0.21613	\$0.20718
8/19/2019	Short	\$0.20306	\$0.21613	\$0.20718
8/20/2019	Short	\$0.20808	\$0.21818	\$0.21228
8/21/2019	Short	\$0.21411	\$0.22177	\$0.21839
8/22/2019	Long	\$0.15841	\$0.09532	\$0.20255
8/23/2019	Short	\$0.19853	\$0.21151	\$0.19699
8/24/2019	Short	\$0.18798	\$0.20586	\$0.18782
8/25/2019	Short	\$0.18798	\$0.20586	\$0.18782
8/26/2019	Short	\$0.18798	\$0.20586	\$0.18782
8/27/2019	Short	\$0.20054	\$0.21613	\$0.19954
8/28/2019	Short	\$0.19451	\$0.21151	\$0.19597
8/29/2019	Short	\$0.20356	\$0.21869	\$0.20769
8/30/2019	Short	\$0.20456	\$0.22229	\$0.20667
8/31/2019	Short	\$0.20456	\$0.22229	\$0.20667
Average		\$0.19964	\$0.20187	\$0.20211

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
9/1/2019	Long	\$0.16865	\$0.16265	\$0.19581
9/2/2019	Long	\$0.16865	\$0.16265	\$0.19581
9/3/2019	Long	\$0.16865	\$0.16265	\$0.19581
9/4/2019	Short	\$0.21161	\$0.23842	\$0.22009
9/5/2019	Long	\$0.20311	\$0.18590	\$0.22134
9/6/2019	Short	\$0.22059	\$0.24614	\$0.22520
9/7/2019	Short	\$0.22466	\$0.24922	\$0.22060
9/8/2019	Long	\$0.20885	\$0.18538	\$0.21470
9/9/2019	Long	\$0.20885	\$0.18538	\$0.21470
9/10/2019	Long	\$0.22190	\$0.21430	\$0.23360
9/11/2019	Short	\$0.25030	\$0.26568	\$0.25379
9/12/2019	Short	\$0.23872	\$0.26054	\$0.24664
9/13/2019	Short	\$0.23268	\$0.26157	\$0.23439
9/14/2019	Long	\$0.20781	\$0.19571	\$0.22696
9/15/2019	Short	\$0.22764	\$0.25951	\$0.23183
9/16/2019	Long	\$0.20781	\$0.19571	\$0.22696
9/17/2019	Long	\$0.22138	\$0.20397	\$0.24432
9/18/2019	Long	\$0.20206	\$0.19984	\$0.23870
9/19/2019	Short	\$0.24023	\$0.26002	\$0.24256
9/20/2019	Short	\$0.22512	\$0.24305	\$0.22775
9/21/2019	Short	\$0.20117	\$0.22453	\$0.20886
9/22/2019	Short	\$0.20117	\$0.22453	\$0.20886
9/23/2019	Long	\$0.18536	\$0.18331	\$0.20041
9/24/2019	Short	\$0.20743	\$0.22247	\$0.20324
9/25/2019	Short	\$0.20296	\$0.23996	\$0.20681
9/26/2019	Long	\$0.17909	\$0.17453	\$0.19939
9/27/2019	Long	\$0.18274	\$0.16937	\$0.19428
9/28/2019	Short	\$0.17677	\$0.18955	\$0.17873
9/29/2019	Long	\$0.14829	\$0.13890	\$0.17283
9/30/2019	Long	\$0.14829	\$0.13890	\$0.17283
Average		\$0.20308	\$0.20814	\$0.21526

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
10/1/2019	Long	\$0.15403	\$0.15181	\$0.18356
10/2/2019	Short	\$0.18382	\$0.19670	\$0.19215
10/3/2019	Short	\$0.19188	\$0.20647	\$0.19981
10/4/2019	Short	\$0.18533	\$0.19824	\$0.19062
10/5/2019	Short	\$0.16469	\$0.18436	\$0.17224
10/6/2019	Short	\$0.16469	\$0.18436	\$0.17224
10/7/2019	Short	\$0.16469	\$0.18436	\$0.17224
10/8/2019	Long	\$0.14359	\$0.12495	\$0.16568
10/9/2019	Long	\$0.14202	\$0.12495	\$0.17334
10/10/2019	Short	\$0.17526	\$0.18538	\$0.18449
10/11/2019	Short	\$0.17879	\$0.18898	\$0.19420
10/12/2019	Short	\$0.17577	\$0.18436	\$0.18347
10/13/2019	Short	\$0.17577	\$0.18436	\$0.18347
10/14/2019	Short	\$0.17577	\$0.18436	\$0.18347
10/15/2019	Short	\$0.18634	\$0.19876	\$0.19573
10/16/2019	Short	\$0.19793	\$0.21059	\$0.20798
10/17/2019	Short	\$0.21253	\$0.22345	\$0.21819
10/18/2019	Long	\$0.14829	\$0.14509	\$0.19836
10/19/2019	Short	\$0.17476	\$0.18847	\$0.18245
10/20/2019	Long	\$0.15090	\$0.12598	\$0.17079
10/21/2019	Long	\$0.15090	\$0.12598	\$0.17079
10/22/2019	Long	\$0.16604	\$0.16214	\$0.20041
10/23/2019	Short	\$0.22389	\$0.21985	\$0.22534
10/24/2019	Short	\$0.23537	\$0.23271	\$0.25087
10/25/2019	Short	\$0.22807	\$0.23425	\$0.23913
10/26/2019	Short	\$0.22493	\$0.22190	\$0.22739
10/27/2019	Short	\$0.22493	\$0.22190	\$0.22739
10/28/2019	Short	\$0.22493	\$0.22190	\$0.22739
10/29/2019	Short	\$0.25260	\$0.25232	\$0.27947
10/30/2019	Short	\$0.26642	\$0.26642	\$0.27998
10/31/2019	Short	\$0.27401	\$0.27386	\$0.28458
Average		\$0.19093	\$0.19385	\$0.20443

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
11/1/2019	Short	\$0.25886	\$0.27404	\$0.28066
11/2/2019	Long	\$0.22965	\$0.09769	\$0.23329
11/3/2019	Long	\$0.22965	\$0.09769	\$0.23329
11/4/2019	Long	\$0.22965	\$0.09769	\$0.23329
11/5/2019	Long	\$0.24853	\$0.08529	\$0.27603
11/6/2019	Short	\$0.28052	\$0.29050	\$0.30763
11/7/2019	Long	\$0.27881	\$0.16328	\$0.32692
11/8/2019	Short	\$0.28757	\$0.29308	\$0.31373
11/9/2019	Short	\$0.27297	\$0.28948	\$0.30457
11/10/2019	Long	\$0.26002	\$0.17413	\$0.28112
11/11/2019	Short	\$0.27297	\$0.28948	\$0.30457
11/12/2019	Short	\$0.26894	\$0.28536	\$0.29796
11/13/2019	Short	\$0.26440	\$0.28279	\$0.28880
11/14/2019	Short	\$0.25030	\$0.27147	\$0.27455
11/15/2019	Long	\$0.22712	\$0.20718	\$0.25670
11/16/2019	Long	\$0.23287	\$0.18962	\$0.25314
11/17/2019	Short	\$0.25383	\$0.27867	\$0.27353
11/18/2019	Short	\$0.25383	\$0.27867	\$0.27353
11/19/2019	Short	\$0.24678	\$0.26942	\$0.26438
11/20/2019	Long	\$0.21042	\$0.06566	\$0.23991
11/21/2019	Short	\$0.24527	\$0.26581	\$0.26845
11/22/2019	Short	\$0.24427	\$0.26684	\$0.26539
11/23/2019	Long	\$0.23235	\$0.17929	\$0.24194
11/24/2019	Long	\$0.23235	\$0.17929	\$0.24194
11/25/2019	Long	\$0.23235	\$0.17929	\$0.24194
11/26/2019	Long	\$0.23469	\$0.18136	\$0.23736
11/27/2019	Short	\$0.23539	\$0.24575	\$0.24301
11/28/2019	Short	\$0.23539	\$0.24575	\$0.24301
11/29/2019	Short	\$0.23539	\$0.24575	\$0.24301
11/30/2019	Long	\$0.22663	\$0.16948	\$0.22363
Average		\$0.24706	\$0.21466	\$0.26558

		ANR Pipeline	Natural Gas Pipeline	Northern Natural Gas Pipeline
		Pipelille	Pipelille	das Pipellile
Date	Imb*	Cashout Rate	Cashout Rate	Cashout Rate
12/1/2019	Long	\$0.22086	\$0.13694	\$0.23075
12/2/2019	Long	\$0.22086	\$0.13694	\$0.23075
12/3/2019	Long	\$0.20206	\$0.13023	\$0.21294
12/4/2019	Long	\$0.21564	\$0.15398	\$0.22566
12/5/2019	Long	\$0.20728	\$0.15398	\$0.22261
12/6/2019	Long	\$0.21198	\$0.15863	\$0.22210
12/7/2019	Long	\$0.20311	\$0.15088	\$0.21294
12/8/2019	Long	\$0.20311	\$0.15088	\$0.21294
12/9/2019	Short	\$0.21706	\$0.24047	\$0.26187
12/10/2019	Short	\$0.21561	\$0.23585	\$0.27205
12/11/2019	Short	\$0.21718	\$0.24099	\$0.26594
12/12/2019	Short	\$0.21404	\$0.24253	\$0.26136
12/13/2019	Short	\$0.21354	\$0.24253	\$0.26136
12/14/2019	Short	\$0.22814	\$0.24305	\$0.26848
12/15/2019	Short	\$0.22814	\$0.24305	\$0.26848
12/16/2019	Short	\$0.22814	\$0.24305	\$0.26848
12/17/2019	Short	\$0.23754	\$0.25333	\$0.27663
12/18/2019	Short	\$0.22762	\$0.25025	\$0.27052
12/19/2019	Short	\$0.21303	\$0.24099	\$0.25882
12/20/2019	Long	\$0.20102	\$0.17051	\$0.20633
12/21/2019	Long	\$0.19997	\$0.16018	\$0.20480
12/22/2019	Long	\$0.19997	\$0.16018	\$0.20480
12/23/2019	Long	\$0.19997	\$0.16018	\$0.20480
12/24/2019	Long	\$0.18483	\$0.14004	\$0.19106
12/25/2019	Long	\$0.18274	\$0.07858	\$0.19055
12/26/2019	Short	\$0.20145	\$0.22041	\$0.23846
12/27/2019	Short	\$0.19793	\$0.22196	\$0.24101
12/28/2019	Long	\$0.16969	\$0.04500	\$0.17732
12/29/2019	Short	\$0.18131	\$0.20395	\$0.22727
12/30/2019	Short	\$0.18131	\$0.20395	\$0.22727
12/31/2019	Long	\$0.18901	\$0.08891	\$0.19259
Average		\$0.20691	\$0.18395	\$0.23261



# rates

# Supply Index and Pipeline Transportation Charges

Supply Inde	ex and Pip	eline Transportation (	Charges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Jan-2024	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00576	\$0.00014
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00037	\$0.00014
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00037	\$0.00014
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00037	\$0.00014
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00037	\$0.00014
	NNG	GD-NNG DEMARC	0.92 %	\$0.00280	\$0.05120	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00280	\$0.05120	\$0.00000
Feb-2024	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00816	\$0.00014
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00002	\$0.00014
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00002	\$0.00014
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00002	\$0.00014
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00002	\$0.00014
	NNG	GD-NNG DEMARC	0.92 %	\$0.00280	\$0.05104	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00280	\$0.05104	\$0.00000
Mar-2024	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00577	\$0.00014
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00004	\$0.00014
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00004	\$0.00014
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00004	\$0.00014
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00004	\$0.00014
	NNG	GD-NNG DEMARC	0.92 %	\$0.00280	\$0.04319	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00280	\$0.04319	\$0.00000
Apr-2024	ANR	GD-ANR OK	1.96 %	\$0.00273	\$0.01161	\$0.00014
Ap. 202 .	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00005	\$0.00014
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00005	\$0.00014
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00005	\$0.00014
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00005	\$0.00014
	NNG	GD-NNG DEMARC	0.64 %	\$0.00280	\$0.01467	\$0.00000
	NNG	GD-NNG VENTURA	0.64 %	\$0.00280	\$0.01467	\$0.00000
May-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.00000
11ay-2024	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG VENTURA	0.00 %	\$0.00000	\$0.00000	\$0.00000
	INING	GD-MING VENTURA	0.00 %	\$0.00000	ֆՍ.ՍՍՍՍՍ	\$0.00000

Page 1 of 3 May 02, 2024 08:46 AM

	ex and Pip	eline Transportation Cha				
Effective (Mo/Yr)	Pipeline	Supply Commodity Index	Fuel (%)	Commodity (\$/Therm)	Demand (\$/Therm)	ACA (\$/Therm
Jun-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.0000
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NNG	GD-NNG VENTURA	0.00 %	\$0.00000	\$0.00000	\$0.0000
Jul-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.0000
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG VENTURA	0.00 %	\$0.00000	\$0.00000	\$0.00000
Aug-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.00000
Aug-2024	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG		0.00 %	\$0.00000	\$0.00000	\$0.00000
		GD-NNG VENTURA				
Sep-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.00000
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG VENTURA	0.00 %	\$0.00000	\$0.00000	\$0.00000
Oct-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.0000
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NNG	GD-NNG VENTURA	0.00 %	\$0.00000	\$0.00000	\$0.00000

Page 2 of 3 May 02, 2024 08:46 AM

Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Nov-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.00000
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG VENTURA	0.00 %	\$0.00000	\$0.00000	\$0.00000
Dec-2024	ANR	GD-ANR OK	0.00 %	\$0.00000	\$0.00000	\$0.00000
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL TEXOK ZONE	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG DEMARC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NNG	GD-NNG VENTURA	0.00 %	\$0.00000	\$0.00000	\$0.00000

Supply Inde	x and Pip	eline Transportation Cha	arges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Jan-2023	ANR	GD-ANR OK	0.09 %	\$0.00273	\$0.00576	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.01001	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.01001	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.01001	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.01001	\$0.00015
	NNG	GD-NNG DEMARC	0.88 %	\$0.00277	\$0.02862	\$0.00000
	NNG	GD-NNG VENTURA	0.88 %	\$0.00277	\$0.02862	\$0.00000
Feb-2023	ANR	GD-ANR OK	0.09 %	\$0.00273	\$0.00574	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00715	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00715	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00715	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00715	\$0.00015
	NNG	GD-NNG DEMARC	0.88 %	\$0.00277	\$0.08598	\$0.00000
	NNG	GD-NNG VENTURA	0.88 %	\$0.00277	\$0.08598	\$0.00000
Mar-2023	ANR	GD-ANR OK	0.09 %	\$0.00273	\$0.00381	\$0.00015
1-1a1 2025	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00010
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.02065	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00140	\$0.02065	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.02003	\$0.00010
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.02065	\$0.00005
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00140	\$0.02065	\$0.00015
	NNG	GD-NNG DEMARC	0.88 %	\$0.00139	\$0.02003	\$0.00013
	NNG	GD-NNG VENTURA	0.88 %	\$0.00277	\$0.06371	\$0.00000
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Apr-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.01339	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.01445	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.01445	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.01445	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.01445	\$0.00015
	NNG	GD-NNG DEMARC	0.92 %	\$0.00281	\$0.01265	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00281	\$0.01265	\$0.00000
May-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00796	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00796	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00796	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00796	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00796	\$0.00015
	NNG	GD-NNG DEMARC	0.92 %	\$0.00281	\$0.00870	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00281	\$0.00870	\$0.00000

Page 1 of 3 January 03, 2024 09:42 AM

Supply Inde	ex and Pip	eline Transportation C	harges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Jun-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00735	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00024	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00024	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00024	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00024	\$0.00015
	NNG	GD-NNG DEMARC	0.92 %	\$0.00281	\$0.00735	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00281	\$0.00735	\$0.00000
Jul-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00578	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00024	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00024	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00024	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00024	\$0.00015
	NNG	GD-NNG DEMARC	0.92 %	\$0.00281	\$0.00694	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00281	\$0.00694	\$0.00000
Aug-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00578	\$0.00015
Aug 2023	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00024	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00024	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00024	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00024	\$0.00015
	NNG	GD-NNG DEMARC	0.92 %	\$0.00281	\$0.00713	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00281	\$0.00713	\$0.00000
Son 2022	1					\$0.00015
Sep-2023	ANR	GD-ANR OK	2.00 %	\$0.00273 \$0.00000	\$0.00571 \$0.00000	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	•	•	•
	NBPL NBPL	GD-CHICAGO LDC GD-NGPL MC	0.00 %	\$0.00000	\$0.00000 \$0.00004	\$0.00000
		GD-NGPL TEXOK ZONE	2.45 %	\$0.00034	\$0.00004	\$0.00015
	NBPL NGPL		2.06 % 0.00 %	\$0.00037 \$0.00000	\$0.00004	\$0.00015
	NGPL	GD-CHICAGO LDC GD-NGPL MC		•	•	\$0.00000 \$0.00015
	NGPL	GD-NGPL MC GD-NGPL TEXOK ZONE	2.45 % 2.06 %	\$0.00034 \$0.00037	\$0.00004 \$0.00004	\$0.00015
	NNG	GD-NNG DEMARC		•		
	NNG		0.92 %	\$0.00281	\$0.00644	\$0.00000
		GD-NNG VENTURA	0.92 %	\$0.00281	\$0.00644	\$0.00000
Oct-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00951	\$0.00014
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00005	\$0.00014
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00005	\$0.00014
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00005	\$0.00014
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00005	\$0.00014
	NNG	GD-NNG DEMARC	0.92 %	\$0.00280	\$0.01093	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00280	\$0.01093	\$0.00000

Page 2 of 3 January 03, 2024 09:42 AM

Effective		eline Transportation Cha Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Nov-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00570	\$0.00014
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00005	\$0.00014
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00005	\$0.00014
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00005	\$0.00014
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00005	\$0.00014
	NNG	GD-NNG DEMARC	0.92 %	\$0.00280	\$0.01576	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00280	\$0.01576	\$0.00000
Dec-2023	ANR	GD-ANR OK	2.00 %	\$0.00273	\$0.00576	\$0.00014
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00003	\$0.00014
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00003	\$0.00014
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00003	\$0.00014
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00003	\$0.00014
	NNG	GD-NNG DEMARC	0.92 %	\$0.00280	\$0.03614	\$0.00000
	NNG	GD-NNG VENTURA	0.92 %	\$0.00280	\$0.03614	\$0.00000

	ex and Pip	eline Transportation Ch				
Effective (Mo/Yr)	Pipeline	Supply Commodity Index	Fuel (%)	Commodity (\$/Therm)	Demand (\$/Therm)	ACA (\$/Therm
Jan-2022	ANR	GD-ANR OK	1.42 %	\$0.00195	\$0.00633	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.0001
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NNG	GD-NNG DEMARC	0.46 %	\$0.00182	\$0.03056	\$0.0000
	NNG	GD-NNG VENTURA	0.46 %	\$0.00182	\$0.03056	\$0.0000
Feb-2022	ANR	GD-ANR OK	1.42 %	\$0.00195	\$0.00809	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NNG	GD-NNG DEMARC	0.46 %	\$0.00182	\$0.02915	\$0.00000
	NNG	GD-NNG VENTURA	0.46 %	\$0.00182	\$0.02915	\$0.00000
Mar-2022	ANR	GD-ANR OK	1.42 %	\$0.00195	\$0.01174	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NNG	GD-NNG DEMARC	0.46 %	\$0.00182	\$0.02796	\$0.00000
	NNG	GD-NNG VENTURA	0.46 %	\$0.00182	\$0.02796	\$0.00000
Apr-2022	ANR	GD-ANR OK	0.09 %	\$0.00195	\$0.01500	\$0.00012
7. <b>p</b>	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00463	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00463	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00463	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00463	\$0.00012
	NNG	GD-NNG DEMARC	0.01 %	\$0.00179	\$0.00735	\$0.00000
	NNG	GD-NNG VENTURA	0.01 %	\$0.00179	\$0.00735	\$0.00000
May-2022	ANR	GD-ANR OK	0.09 %	\$0.00195	\$0.01445	\$0.00012
11uy 2022	ANR	GD-CHICAGO LDC	0.00 %	\$0.0000	\$0.00000	\$0.00012
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00000	\$0.0001
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00783	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00007	\$0.00703	\$0.0001
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00000	\$0.0001
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00783	\$0.0001
	NNG	GD-NNG DEMARC	0.01 %	\$0.00037	\$0.00763	\$0.0001
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	NNG	GD-NNG VENTURA	0.01 %	\$0.00179	\$0.00957	\$0.0000

Page 1 of 3 January 04, 2023 11:03 AM

Supply Inde	ex and Pip	eline Transportation C	harges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Jun-2022	ANR	GD-ANR OK	0.09 %	\$0.00195	\$0.00727	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.03359	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.03359	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.03359	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.03359	\$0.00012
	NNG	GD-NNG DEMARC	0.01 %	\$0.00179	\$0.00258	\$0.00000
	NNG	GD-NNG VENTURA	0.01 %	\$0.00179	\$0.00258	\$0.00000
Jul-2022	ANR	GD-ANR OK	0.09 %	\$0.00195	\$0.00517	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.01237	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.01237	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.01237	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.01237	\$0.00012
	NNG	GD-NNG DEMARC	0.01 %	\$0.00179	\$0.00263	\$0.00000
	NNG	GD-NNG VENTURA	0.01 %	\$0.00179	\$0.00263	\$0.00000
Aug-2022	ANR	GD-ANR OK	0.09 %	\$0.00273	\$0.00641	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.01186	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.01186	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.01186	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.01186	\$0.00012
	NNG	GD-NNG DEMARC	0.01 %	\$0.00179	\$0.00314	\$0.00000
	NNG	GD-NNG VENTURA	0.01 %	\$0.00179	\$0.00314	\$0.00000
Sep-2022	ANR	GD-ANR OK	0.09 %	\$0.00273	\$0.00853	\$0.00012
30p 2022	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00533	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00533	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.0000	\$0.00000	\$0.00012
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00533	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00533	\$0.00012
	NNG	GD-NNG DEMARC	0.01 %	\$0.00037	\$0.00333	\$0.00012
	NNG	GD-NNG VENTURA	0.01 %	\$0.00179	\$0.00319	\$0.00000
Oct 2022	<del>`</del>					
Oct-2022	ANR	GD-ANR OK GD-CHICAGO LDC	0.09 %	\$0.00273	\$0.00853	\$0.00015
	ANR		0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
		GD-NGPL MC	2.45 %	\$0.00034	\$0.00610	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00610	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00034	\$0.00610	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00037	\$0.00610	\$0.00015
	NNG	GD-NNG DEMARC	0.01 %	\$0.00182	\$0.01213	\$0.00000
	NNG	GD-NNG VENTURA	0.01 %	\$0.00182	\$0.01213	\$0.00000

Page 2 of 3 January 04, 2023 11:03 AM

Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Nov-2022	ANR	GD-ANR OK	0.09 %	\$0.00273	\$0.00579	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.02224	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.02224	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.02224	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.02224	\$0.00015
	NNG	GD-NNG DEMARC	0.88 %	\$0.00182	\$0.01170	\$0.00000
	NNG	GD-NNG VENTURA	0.88 %	\$0.00182	\$0.01170	\$0.00000
Dec-2022	ANR	GD-ANR OK	0.09 %	\$0.00273	\$0.00576	\$0.00015
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00775	\$0.00015
	NBPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00775	\$0.00015
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.45 %	\$0.00146	\$0.00775	\$0.00015
	NGPL	GD-NGPL TEXOK ZONE	2.06 %	\$0.00159	\$0.00775	\$0.00015
	NNG	GD-NNG DEMARC	0.88 %	\$0.00182	\$0.02875	\$0.00000
	NNG	GD-NNG VENTURA	0.88 %	\$0.00182	\$0.02875	\$0.00000

Supply Inde	ex and Pip	eline Transportation C	Charges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Jan-2021	ANR	GD-ANR OK	2.05 %	\$0.00195	\$0.00417	\$0.00011
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
		GD-NGPL MC	2.71 %	\$0.00146	\$0.02674	\$0.00011
	NBPL NGPL	GD-NGPL TEXOK ZONE GD-CHICAGO LDC	2.27 % 0.00 %	\$0.00159 \$0.00000	\$0.02674	\$0.00011 \$0.00000
				•	\$0.00000	
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.02674	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.02674	\$0.00011
	NNG	GD-NNG DEMARC	1.19 %	\$0.00183	\$0.02075	\$0.00000
_	NNG	GD-NNG VENTURA	1.19 %	\$0.00183	\$0.02075	\$0.00000
Feb-2021	ANR	GD-ANR OK	2.05 %	\$0.00195	\$0.00423	\$0.00011
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.02704	\$0.00011
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.02704	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.02704	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.02704	\$0.00011
	NNG	GD-NNG DEMARC	1.19 %	\$0.00183	\$0.01423	\$0.00000
	NNG	GD-NNG VENTURA	1.19 %	\$0.00183	\$0.01423	\$0.00000
Mar-2021	ANR	GD-ANR OK	2.05 %	\$0.00195	\$0.00344	\$0.00011
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.01523	\$0.00011
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.01523	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.01523	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.01523	\$0.00011
	NNG	GD-NNG DEMARC	1.19 %	\$0.00183	\$0.01852	\$0.00000
	NNG	GD-NNG VENTURA	1.19 %	\$0.00183	\$0.01852	\$0.00000
Apr-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00671	\$0.00011
-	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00694	\$0.00011
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00694	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00694	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00694	\$0.00011
	NNG	GD-NNG DEMARC	0.73 %	\$0.00181	\$0.00783	\$0.00000
	NNG	GD-NNG VENTURA	0.73 %	\$0.00181	\$0.00783	\$0.00000
May-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00621	\$0.00011
1-1dy 2021	ANR	GD-CHICAGO LDC	0.00 %	\$0.00193	\$0.00021	\$0.00011
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00810	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00810	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00037	\$0.00000	\$0.00011
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00810	\$0.00000
	NGPL	GD-NGPL TEXOK ZONE	2.71 %	\$0.00034	\$0.00810	\$0.00011
	NNG	GD-NNG DEMARC	0.73 %	\$0.00037	\$0.00538	\$0.00011
	NNG	GD-NNG VENTURA		\$0.00181	\$0.00538	\$0.00000
	טוווט	GD-NING VENTURA	0.73 %	\$0.00181	φ0.00538	\$U.UUUU

Page 1 of 3 January 04, 2022 08:57 AM

Supply Inde	ex and Pip	eline Transportation C	Charges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Jun-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00641	\$0.00011
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.03359	\$0.00011
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.03359	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.03359	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.03359	\$0.00011
	NNG	GD-NNG DEMARC	0.73 %	\$0.00181	\$0.00417	\$0.00000
	NNG	GD-NNG VENTURA	0.73 %	\$0.00181	\$0.00417	\$0.00000
Jul-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00608	\$0.00011
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.03359	\$0.00011
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.03359	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.03359	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.03359	\$0.00011
	NNG	GD-NNG DEMARC	0.73 %	\$0.00181	\$0.00458	\$0.00000
	NNG	GD-NNG VENTURA	0.73 %	\$0.00181	\$0.00458	\$0.00000
Aug-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00724	\$0.00011
7.09 _0	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00448	\$0.00011
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00448	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00448	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00448	\$0.00011
	NNG	GD-NNG DEMARC	0.73 %	\$0.00181	\$0.00378	\$0.00000
	NNG	GD-NNG VENTURA	0.73 %	\$0.00181	\$0.00378	\$0.00000
Sep-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00646	\$0.00011
Sep-2021	ANR	GD-CHICAGO LDC	0.00 %	\$0.00193	\$0.00040	\$0.00011
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	•	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00000 \$0.03359	\$0.00000
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00034	\$0.03359	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00037	\$0.00000	\$0.00011
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00000	\$0.00000
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00034	\$0.03359	\$0.00011
	NNG	GD-NNG DEMARC		\$0.00037		\$0.00011
	NNG	GD-NNG VENTURA	0.73 % 0.73 %	\$0.00181	\$0.00429 \$0.00429	\$0.00000
0 1 2024						
Oct-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00424	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00626	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00626	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00626	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00626	\$0.00012
	NNG	GD-NNG DEMARC	0.73 %	\$0.00182	\$0.00675	\$0.00000
	NNG	GD-NNG VENTURA	0.73 %	\$0.00182	\$0.00675	\$0.00000

Page 2 of 3 January 04, 2022 08:57 AM

Effective		eline Transportation Cha Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Nov-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00421	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NNG	GD-NNG DEMARC	0.46 %	\$0.00182	\$0.01143	\$0.00000
	NNG	GD-NNG VENTURA	0.46 %	\$0.00182	\$0.01143	\$0.00000
Dec-2021	ANR	GD-ANR OK	1.35 %	\$0.00195	\$0.00430	\$0.00012
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.04007	\$0.00012
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.04007	\$0.00012
	NNG	GD-NNG DEMARC	0.46 %	\$0.00182	\$0.01859	\$0.00000
	NNG	GD-NNG VENTURA	0.46 %	\$0.00182	\$0.01859	\$0.00000

Supply Inde	ex and Pip	eline Transportation C	harges			
Effective (Mo/Yr)	Pipeline	Supply Commodity Index	Fuel (%)	Commodity (\$/Therm)	Demand (\$/Therm)	ACA (\$/Therm)
Jan-2020	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00612	\$0.00013
Jan-2020	ANR	GD-CHICAGO LDC	0.00 %	\$0.00193	\$0.00012	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.03441	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00170	\$0.03441	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.03441	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.03441	\$0.00013
	NNG	GD-NNG DEMARC	1.02 %	\$0.00378	\$0.02974	\$0.00000
	NNG	GD-NNG VENTURA	1.02 %	\$0.00378	\$0.02974	\$0.00000
Feb-2020	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00695	\$0.00013
Feb-2020	ANR	GD-CHICAGO LDC	0.00 %	\$0.00193	\$0.00093	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02787	\$0.0000
	NBPL	GD-NGPL TEXOK ZONE	2.49 %	\$0.00140	\$0.02787	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00139	\$0.00000	\$0.00013
	NGPL	GD-NGPL MC	2.49 %	\$0.0000	\$0.02787	\$0.00000
	NGPL	GD-NGPL TEXOK ZONE	2.49 %	\$0.00140	\$0.02787	\$0.00013
	NNG	GD-NNG DEMARC	1.02 %	\$0.00139	\$0.02787	\$0.00013
	NNG	GD-NNG VENTURA	1.02 %	\$0.00378	\$0.03408	\$0.00000
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Mar-2020	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00671	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.06529	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.06529	\$0.00013
	NGPL	GD-CHICAGO LDC GD-NGPL MC	0.00 % 2.49 %	\$0.00000 \$0.00146	\$0.00000 \$0.06529	\$0.00000 \$0.00013
	NGPL	GD-NGPL MC GD-NGPL TEXOK ZONE	2.49 %		•	\$0.00013
	NNG	GD-NNG DEMARC	1.02 %	\$0.00159 \$0.00378	\$0.06529 \$0.03120	\$0.00013
	NNG	GD-NNG VENTURA	1.02 %	\$0.00378	\$0.03120	\$0.00000
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Apr-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00968	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01025	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01025	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01025	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01025	\$0.00013
	NNG	GD-NNG DEMARC	0.70 %	\$0.00378	\$0.01808	\$0.00000
	NNG	GD-NNG VENTURA	0.70 %	\$0.00378	\$0.01808	\$0.00000
May-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00962	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.00769	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00769	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.00769	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00769	\$0.00013
	NNG	GD-NNG DEMARC	0.70 %	\$0.00378	\$0.01296	\$0.00000
	NNG	GD-NNG VENTURA	0.70 %	\$0.00378	\$0.01296	\$0.00000

Page 1 of 3 January 05, 2021 12:46 PM

Supply Inde	ex and Pip	eline Transportation C	harges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr) Jun-2020	Pipeline ANR	Index GD-ANR OK	<b>(%)</b> 2.12 %	(\$/Therm)	(\$/Therm)	(\$/Therm) \$0.00013
Jun-2020	ANR	GD-ANR OR GD-CHICAGO LDC	0.00 %	\$0.00195 \$0.00000	\$0.00646 \$0.00000	\$0.00013
	NBPL			•	•	
	NBPL NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
		GD-NGPL MC	2.49 %	\$0.00034	\$0.00643	\$0.00013
	NBPL NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00643	\$0.00013
		GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.00643	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00643	\$0.00013
	NNG	GD-NNG DEMARC	0.70 %	\$0.00185	\$0.01785	\$0.00000
	NNG	GD-NNG VENTURA	0.70 %	\$0.00185	\$0.01785	\$0.00000
Jul-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00642	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01103	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01103	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01103	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01103	\$0.00013
	NNG	GD-NNG DEMARC	0.70 %	\$0.00185	\$0.01938	\$0.00000
	NNG	GD-NNG VENTURA	0.70 %	\$0.00185	\$0.01938	\$0.00000
Aug-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00642	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.01234	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.01234	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.01234	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.01234	\$0.00013
	NNG	GD-NNG DEMARC	0.70 %	\$0.00185	\$0.02055	\$0.00000
	NNG	GD-NNG VENTURA	0.70 %	\$0.00185	\$0.02055	\$0.00000
Sep-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00644	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00100	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00100	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00100	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00100	\$0.00013
	NNG	GD-NNG DEMARC	0.70 %	\$0.00185	\$0.02034	\$0.00000
	NNG	GD-NNG VENTURA	0.70 %	\$0.00185	\$0.02034	\$0.00000
Oct-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00678	\$0.00011
OC1-2020	ANR	GD-CHICAGO LDC	0.00 %	\$0.00193	\$0.00078	\$0.00011
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00000	\$0.00001
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00034	\$0.00184	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE  GD-CHICAGO LDC	0.00 %	\$0.00037	\$0.00184	\$0.00011
				•	•	
	NGPL	GD-NGPL MC	2.71 %	\$0.00034	\$0.00184	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00037	\$0.00184	\$0.00011
	NNG	GD-NNG DEMARC	0.70 %	\$0.00183	\$0.01126	\$0.00000
	NNG	GD-NNG VENTURA	0.70 %	\$0.00183	\$0.01126	\$0.00000

Page 2 of 3 January 05, 2021 12:46 PM

Supply Inde	ex and Pip	eline Transportation Ch	arges			
Effective (Mo/Yr)	Pipeline	Supply Commodity Index	Fuel (%)	Commodity (\$/Therm)	Demand (\$/Therm)	ACA (\$/Therm
Nov-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00420	\$0.00011
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.00100	\$0.00011
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.00100	\$0.00011
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.00100	\$0.00011
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.00100	\$0.0001
	NNG	GD-NNG DEMARC	1.19 %	\$0.00183	\$0.02697	\$0.00000
	NNG	GD-NNG VENTURA	1.19 %	\$0.00183	\$0.02697	\$0.00000
Dec-2020	ANR	GD-ANR OK	2.12 %	\$0.00195	\$0.00427	\$0.0001
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.00100	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.00100	\$0.0001
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL MC	2.71 %	\$0.00146	\$0.00100	\$0.0001
	NGPL	GD-NGPL TEXOK ZONE	2.27 %	\$0.00159	\$0.00100	\$0.0001
	NNG	GD-NNG DEMARC	1.19 %	\$0.00183	\$0.02087	\$0.0000
	NNG	GD-NNG VENTURA	1.19 %	\$0.00183	\$0.02087	\$0.0000

Supply Inde	ex and Pip	eline Transportation C	harges			
Effective		Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Jan-2019	ANR	GD-ANR ML7	0.00 %	\$0.00000	\$0.00000	\$0.00000
	ANR	GD-ANR OK	3.57 %	\$0.00195	\$0.03318	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02265	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02265	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02265	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02265	\$0.00013
	NNG	GD-NNG DEMARC	1.69 %	\$0.00374	\$0.08102	\$0.00000
	NNG	GD-NNG VENTURA	1.69 %	\$0.00374	\$0.08102	\$0.00000
Feb-2019	ANR	GD-ANR ML7	0.00 %	\$0.00000	\$0.00000	\$0.00000
	ANR	GD-ANR OK	3.57 %	\$0.00195	\$0.00730	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02265	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02265	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02265	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02265	\$0.00013
	NNG	GD-NNG DEMARC	1.69 %	\$0.00374	\$0.02538	\$0.00000
	NNG	GD-NNG VENTURA	1.69 %	\$0.00374	\$0.02538	\$0.00000
Mar-2019	ANR	GD-ANR ML7	0.00 %	\$0.00000	\$0.00000	\$0.00000
	ANR	GD-ANR OK	3.57 %	\$0.00195	\$0.00561	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02362	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02362	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02362	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02362	\$0.00013
	NNG	GD-NNG DEMARC	1.69 %	\$0.00374	\$0.01578	\$0.00000
	NNG	GD-NNG VENTURA	1.69 %	\$0.00374	\$0.01578	\$0.00000
Apr-2019	ANR	GD-ANR ML7	0.00 %	\$0.00000	\$0.00000	\$0.00000
Api 2013	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00416	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00193	\$0.00000	\$0.00013
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.00000	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00732	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00013
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.00732	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00732	\$0.00013
	NNG	GD-NNG DEMARC	1.37 %	\$0.0037	\$0.00732	\$0.00013
	NNG	GD-NNG VENTURA	1.37 %	\$0.00379	\$0.00668	\$0.00000
Marr 2010						
May-2019	ANR	GD-ANR ML7	0.00 %	\$0.00000	\$0.00000	\$0.00000
	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00735	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.00771	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00771	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.00771	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.00771	\$0.00013
	NNG	GD-NNG DEMARC	1.37 %	\$0.00379	\$0.00846	\$0.00000
	NNG	GD-NNG VENTURA	1.37 %	\$0.00379	\$0.00846	\$0.00000

Page 1 of 3 January 03, 2020 09:49 AM

	ex and Pip	eline Transportation Cha				
Effective (Mo/Yr)	Pipeline	Supply Commodity Index	Fuel (%)	Commodity (\$/Therm)	Demand (\$/Therm)	AC/ (\$/Therm
Jun-2019	ANR	GD-ANR ML7	0.00 %	\$0.00000	\$0.00000	\$0.0000
	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00661	\$0.00013
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01038	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01038	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01038	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01038	\$0.00013
	NNG	GD-NNG DEMARC	1.37 %	\$0.00379	\$0.00870	\$0.0000
	NNG	GD-NNG VENTURA	1.37 %	\$0.00379	\$0.00870	\$0.0000
Jul-2019	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.02134	\$0.0001
Jui	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.03081	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.03081	\$0.0001
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.03081	\$0.0001
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.03081	\$0.0001
	NNG	GD-NNG DEMARC	1.37 %	\$0.00379	\$0.00476	\$0.0000
	NNG	GD-NNG VENTURA	1.37 %	\$0.00379	\$0.00476	\$0.0000
Aug-2019	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.01869	\$0.0001
Aug-2019	ANR	GD-CHICAGO LDC	0.00 %	\$0.00193	\$0.01869	\$0.0001
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	·		\$0.0000
	NBPL	GD-NGPL MC GD-NGPL TEXOK ZONE	2.49 %	\$0.00034 \$0.00037	\$0.01125 \$0.01125	\$0.0001
	NGPL	GD-CHICAGO LDC	0.00 %	·		\$0.0001
	NGPL	GD-NGPL MC	2.49 %	\$0.00000 \$0.00034	\$0.00000 \$0.01125	\$0.0000
	NGPL	GD-NGPL MC GD-NGPL TEXOK ZONE	2.49 %	·	\$0.01125	
	NNG	GD-NNG DEMARC	1.37 %	\$0.00037 \$0.00379	\$0.01125	\$0.00013 \$0.0000
	NNG	GD-NNG VENTURA	1.37 %	\$0.00379	\$0.00359	\$0.00000
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Sep-2019	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.01570	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01661	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01661	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01661	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01661	\$0.00013
	NNG	GD-NNG DEMARC	1.37 %	\$0.00379	\$0.00484	\$0.0000
	NNG	GD-NNG VENTURA	1.37 %	\$0.00379	\$0.00484	\$0.0000
Oct-2019	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.01493	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NBPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01247	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01247	\$0.0001
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.0000
	NGPL	GD-NGPL MC	2.49 %	\$0.00034	\$0.01247	\$0.0001
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00037	\$0.01247	\$0.0001
	NNG	GD-NNG DEMARC	1.37 %	\$0.00379	\$0.00600	\$0.0000
	NNG	GD-NNG VENTURA	1.37 %	\$0.00379	\$0.00600	\$0.0000

Page 2 of 3 January 03, 2020 09:49 AM

Effective		eline Transportation Cha Supply Commodity	Fuel	Commodity	Demand	ACA
(Mo/Yr)	Pipeline	Index	(%)	(\$/Therm)	(\$/Therm)	(\$/Therm)
Nov-2019	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00510	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02368	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02368	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02368	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02368	\$0.00013
	NNG	GD-NNG DEMARC	1.02 %	\$0.00379	\$0.01924	\$0.00000
	NNG	GD-NNG VENTURA	1.02 %	\$0.00379	\$0.01924	\$0.00000
Dec-2019	ANR	GD-ANR OK	3.54 %	\$0.00195	\$0.00516	\$0.00013
	ANR	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NBPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02712	\$0.00013
	NBPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02712	\$0.00013
	NGPL	GD-CHICAGO LDC	0.00 %	\$0.00000	\$0.00000	\$0.00000
	NGPL	GD-NGPL MC	2.49 %	\$0.00146	\$0.02712	\$0.00013
	NGPL	GD-NGPL TEXOK ZONE	2.09 %	\$0.00159	\$0.02712	\$0.00013
	NNG	GD-NNG DEMARC	1.02 %	\$0.00379	\$0.04302	\$0.00000
	NNG	GD-NNG VENTURA	1.02 %	\$0.00379	\$0.04302	\$0.00000