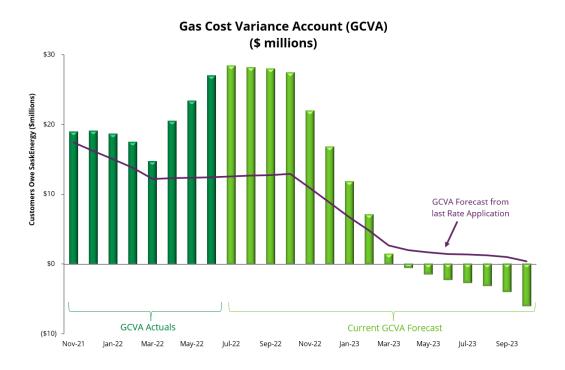
## 1. Reference: General

a) Please provide all schedules included in the application in MS excel format with all formulae intact.

The schedules have been provided in MS excel format, with the formulas intact. Because the schedules are produced from SaskEnergy's cost of gas model, which is proprietary to SaskEnergy, the excel sheets contain external links.

b) Please provide a schedule that compares the current actual and forecast balances in the gas cost variance account from the previous application with the actual and forecast balances in the current application. Please quantify the factors that have contributed to the changes since the last commodity application.

The below graph and supporting table include actual balances for November 2021 to June 2022, while July 2022 to October 2023 are forecast GCVA balances. The actual and forecast have been updated with the most current information and includes natural gas prices as of August 15, 2022.



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	Curre	nt Rate		Last Rate
	Appl	ication	Α	pplication
		(\$ mil	lion	s)
30-Nov-21	\$	18.94	\$	17.42
31-Dec-21	\$	19.04	\$	16.18
31-Jan-22	\$	18.63	\$	15.00
28-Feb-22	\$	17.49	\$	13.82
31-Mar-22	\$	14.69	\$	12.21
30-Apr-22	\$	20.47	\$	12.30
31-May-22	\$	23.36	\$	12.38
30-Jun-22	\$	26.96	\$	12.47
31-Jul-22	\$	28.37	\$	12.56
31-Aug-22	\$	28.14	\$	12.66
30-Sep-22	\$	27.98	\$	12.77
31-Oct-22	\$	27.38	\$	12.94
30-Nov-22		21.94	\$	10.89
31-Dec-22	\$	16.79	\$	8.82
31-Jan-23	\$	11.78	\$	6.74
28-Feb-23	\$	7.10	\$	4.83
31-Mar-23	\$	1.45	\$	2.66
30-Apr-23	\$	(0.50)	\$	2.01
31-May-23	\$	(1.45)	\$	1.70
30-Jun-23	\$	(2.23)	\$	1.46
31-Jul-23	\$	(2.67)	\$	1.35
31-Aug-23	\$	(3.10)	\$	1.25
30-Sep-23	\$	(3.92)	\$	1.02
31-Oct-23	\$	(5.94)	\$	0.37

The 2021-22 winter was 7% colder than normal resulting in SaskEnergy purchasing additional gas to meet customer's needs. Due to the increasingly stronger markets, this gas was purchased at a higher price than SaskEnergy's current commodity rate. In addition, SaskEnergy's price risk management strategy targeted 70% of summer purchases hedged, while winter hedges are 95%. The spring was also colder than normal, so in addition to the unhedged purchases, more gas was required in the spring than normal. When the Application was prepared, AECO spot prices were at \$7.83/GJ on May 18, 2022, compared to around \$4.00/GJ at the time of the last commodity rate application. Prices continue to be elevated, with Sept-Oct 2022 at \$5.69, and next winter at \$6.75, on August 15, 2022, when this chart was prepared.

c) Please provide versions of Schedule 2.0, 2.1, 2.2, 3.0 and 3.1 for the most recent 24 months of actuals.

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Schedule 2.0

#### SaskEnergy Incorporated Actual Cost of Gas Sold (\$000's) July 1, 2020 - June 30, 2021

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	TOTAL
Line	· · · · · · · · · · · · · · · · · · ·													
1	Saskatchewan Purchases - Floating Price	\$2,105	\$2,053	\$2,345	\$3,336	\$3,629	\$2,375	\$2,168	\$2,305	\$2,454	\$1,687	\$2,018	\$1,747	\$28,222
2	Alberta Purchases - Fixed Price	\$5,795	\$5,795	\$5,608	\$5,795	\$6,831	\$7,059	\$7,059	\$6,376	\$7,059	\$5,663	\$5,852	\$5,663	\$74,554
3	Alberta Purchases - Floating Price	\$1,581	\$3,846	\$4,171	\$5,022	\$7,248	\$2,891	\$1,233	\$7,064	\$64	\$1,637	\$3,841	\$3,807	\$42,405
4	Price Risk Management (Inflows)/Outflows	\$0	\$0	\$0	\$0	(\$1,182)	(\$776)	(\$1,037)	(\$2,739)	(\$999)	\$0	\$0	\$0	(\$6,733)
5	Costs upstream of TEP	\$2,278	\$2,119	\$2,144	\$2,114	\$2,321	\$2,327	\$2,328	\$2,248	\$2,248	\$2,334	\$2,353	\$2,351	\$27,164
6	Cost of Purchase Gas	\$11,758	\$13,813	\$14,267	\$16,267	\$18,846	\$13,876	\$11,752	\$15,254	\$10,826	\$11,320	\$14,063	\$13,568	\$165,611
7	Storage Withdrawal (Injection)	(\$8,728)	(\$11,244)	(\$9,241)	(\$2,521)	\$708	\$8,792	\$12,032	\$12,997	\$5,456	\$1,056	(\$6,920)	(\$7,550)	(\$5,165)
8	Gas in Storage Interest Expense	\$35	\$35	\$35	\$35	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$169
9	Gas Supply Operating Maintenance & Admin Expenses	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$106	\$1,274
10	Gas Supply Related Bad Debt Expense	\$12	\$11	\$21	\$59	\$59	\$71	\$76	\$88	\$50	\$34	\$19	\$16	\$517
11	Less Gas Supply Related Late Payment Charges	\$0	\$0	(\$30)	(\$43)	(\$50)	(\$101)	(\$86)	(\$105)	(\$144)	(\$94)	(\$89)	(\$74)	(\$817)
12	Less Cost of Internal Usage	(\$42)	(\$17)	(\$41)	(\$39)	(\$83)	(\$104)	(\$134)	(\$134)	(\$169)	(\$164)	(\$91)	(\$70)	(\$1,086)
13	Cost of Gas Sold	\$3,142	\$2,704	\$5,118	\$13,863	\$19,590	\$22,643	\$23,749	\$28,209	\$16,129	\$12,262	\$7,092	\$6,000	\$160,502

				Vol	ume (Gigajo	oules - 000s	)							
Line	Description	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	TOTAL
14	Customer Sales	\$952	\$848	\$1,703	\$4,690	\$6,711	\$8,137	\$8,579	\$9,962	\$5,692	\$3,894	\$2,189	\$1,777	55,136
15	Purchases (less Fuel Gas & Line Loss)	\$4,033	\$5,047	\$5,060	\$5,585	\$6,477	\$4,897	\$4,142	\$5,164	\$3,718	\$3,553	\$4,368	\$4,053	56,096
16	Cost of Purchase Gas (GJ)	\$2.915	\$2.737	\$2.820	\$2.912	\$2.910	\$2.834	\$2.837	\$2.954	\$2.912	\$3.186	\$3.219	\$3.348	
17	Storage Withdrawal (Injection)	(3,067)	(4,193)	(3,342)	(882)	264	3,278	4,486	4,845	2,034	331	(2,151)	(2,255)	(653)
18	Storage Withdrawal (Injection) Rate (GJ)	\$2.846	\$2.682	\$2.765	\$2.858	\$2.682	\$2.682	\$2.682	\$2.682	\$2.682	\$3.186	\$3.217	\$3.348	
19	Internal Usage	(14)	(6)	(14)	(13)	(29)	(37)	(48)	(47)	(60)	10	(28)	(21)	(308)

Note: Numbers may not add up exact due to rounding

Schedule 2.0

#### SaskEnergy Incorporated Actual Cost of Gas Sold (\$000's) July 1, 2021 - June 30, 2022

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	TOTAL
1	Saskatchewan Purchases - Floating Price	\$2,184	\$2,313	\$2,358	\$2,768	\$3,327	\$4,896	\$3,308	\$3,218	\$3,772	\$3,547	\$5,352	\$8,445	\$45,488
2	Alberta Purchases - Fixed Price	\$5,852	\$5,852	\$5,663	\$5,852	\$7,213	\$7,454	\$7,454	\$6,732	\$7,454	\$6,839	\$7,067	\$6,839	\$80,269
3	Alberta Purchases - Floating Price	\$4,575	\$3,728	\$6,485	\$10,127	\$6,433	\$9,191	\$8,277	\$4,005	\$2,325	\$9,135	\$10,100	\$11,862	\$86,242
4	Price Risk Management (Inflows)/Outflows	\$0	\$0	\$0	\$0	\$4,083	\$3,193	\$3,775	\$3,897	\$4,927	\$0	\$0	\$0	\$19,876
5	Costs upstream of TEP	\$2,353	\$2,356	\$2,373	\$2,370	\$2,393	\$2,415	\$2,408	\$2,394	\$2,393	\$2,510	\$2,446	\$2,447	\$28,859
6	Cost of Purchase Gas	\$14,964	\$14,249	\$16,879	\$21,117	\$23,449	\$27,148	\$25,222	\$20,246	\$20,872	\$22,030	\$24,964	\$29,592	\$260,733
7	Storage Withdrawal (Injection)	(\$11,963)	(\$9,698)	(\$12,164)	(\$6,904)	\$3,975	\$12,853	\$16,003	\$17,096	\$9,421	\$603	(\$15,129)	(\$19,915)	(\$15,823)
8	Gas in Storage Interest Expense	\$4	\$4	\$4	\$4	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$54
9	Gas Supply Operating Maintenance & Admin Expenses	\$106	\$106	\$106	\$106	\$115	\$115	\$115	\$115	\$115	\$115	\$115	\$115	\$1,348
10	Gas Supply Related Bad Debt Expense	\$8	\$12	\$12	\$30	\$105	\$168	\$171	\$153	\$116	\$84	\$34	\$30	\$921
11	Less Gas Supply Related Late Payment Charges	(\$39)	(\$37)	(\$27)	(\$24)	(\$36)	(\$55)	(\$91)	(\$158)	(\$186)	(\$117)	(\$139)	(\$82)	(\$992)
12	Less Cost of Internal Usage	(\$19)	(\$38)	(\$37)	(\$37)	(\$58)	(\$104)	(\$140)	(\$197)	(\$170)	(\$210)	(\$151)	(\$116)	(\$1,276)
13	Cost of Gas Sold	\$3,060	\$4,598	\$4,772	\$14,292	\$27,555	\$40,131	\$41,284	\$37,260	\$30,173	\$22,510	\$9,699	\$9,630	\$244,965

				Vol	ume (Gigajo	oules - 000s	)							
Line	Description	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	TOTAL
14	Customer Sales	\$840	\$1,314	\$1,316	\$3,432	\$6,349	\$10,422	\$10,523	\$9,387	\$7,077	\$5,145	\$2,102	\$1,841	59,749
15	Purchases (less Fuel Gas & Line Loss)	\$4,216	\$4,149	\$4,749	\$5,113	\$5,192	\$6,652	\$5,832	\$4,392	\$4,349	\$5,014	\$5,420	\$5,697	60,775
16	Cost of Purchase Gas (GJ)	\$3.549	\$3.434	\$3.554	\$4.130	\$4.517	\$4.081	\$4.325	\$4.610	\$4.799	\$4.393	\$4.606	\$5.195	
17	Storage Withdrawal (Injection)	(3,370)	(2,824)	(3,422)	(1,672)	1,176	3,802	4,734	5,058	2,787	137	(3,285)	(3,834)	(713)
18	Storage Withdrawal (Injection) Rate (GJ)	\$3.549	\$3.434	\$3.554	\$4.130	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$4.393	\$4.605	\$5.194	
19	Internal Usage	(5)	(11)	(10)	(9)	(19)	(32)	(44)	(63)	(59)	(7)	(33)	(22)	(313)

Note: Numbers may not add up exact due to rounding

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Schedule 2.1

#### SaskEnergy Incorporated Actual Gas Prices for July 1, 2020 - June 30, 2021 \$/Gigajoule

		1	2	3	4	5		6	7	8	9	10		11	12
Lino	Description	Jul-20	Aug-20	Sep-20	Oct-20	Nov-2	^	Dec-20	Jan-21	Feb-21	Mar-2	l Apr-	21	May-21	Jun-21
Lille	Description	Jui-20	Aug-20	3ep-20	OC1-20	INUV-2	U	Dec-20	Jan-21	reu-21	iviai -2	ı Apı-	21	way-21	Juli-21
1	AECO Forward Prices	\$1.794	\$1.885	\$2.430	\$2.191	\$2.932	2	\$2.742	\$2.497	\$2.772	\$3.054	\$2.5	10	\$2.673	\$2.887
	COST OF PURCHASE GAS														
2	Cost of Purchase Gas - Fixed Price	\$2.366	\$2.366	\$2.366	\$2.366	\$2.397	7	\$2.397	\$2.397	\$2.397	\$2.397	\$2.38	39	\$2.389	\$2.389
3	Cost of Purchase Gas - Floating Price	\$2.103	\$2.132	\$2.284	\$2.529	\$2.805	5	\$2.646	\$2.750	\$3.679	\$3.127	\$2.73	39	\$2.971	\$3.203
4	Cost of Purchase Gas Before Financial Hedges	\$2.257	\$2.242	\$2.322	\$2.460	\$2.632	2	\$2.497	\$2.501	\$3.024	\$2.554	\$2.50	08	\$2.649	\$2.733
5	Change in Price due to Financial Hedges	\$0.000	\$0.000	\$0.000	\$0.000	(\$0.181	)	(\$0.157)	(\$0.248)	(\$0.526)	(\$0.267	\$0.00	00	\$0.000	\$0.000
6	Receipt Transport	\$0.559	\$0.416	\$0.420	\$0.376	\$0.356	5	\$0.472	\$0.557	\$0.432	\$0.600	\$0.65	51	\$0.533	\$0.573
7	Forecast Cost of Purchase Gas	2.815	2.658	2.742	2.835	2.807	7	2.812	2.810	2.930	2.887	3.15	59	3.182	3.306
8	Volume Adjusted Cost of Purchase Gas <sup>1</sup>	\$2.846	\$2.682	\$2.765	\$2.858	\$2.828	3	\$2.833	\$2.835	\$2.954	\$2.910	\$3.18	36	\$3.217	\$3.348
	COST OF GAS SOLD														
9	Purchase Price	2.846	2.682	2.765	2.858	2.828	3	2.833	2.835	2.954	2.910	3.18	36	3.217	3.348
10	% of Sales met with Purchases	100.0%	100.0%	100.0%	100.0%	96.19	%	59.7%	47.7%	51.4%	64.39	100.0	0%	100.0%	100.0%
11	Inventory Withdrawal Price	\$2.639	\$2.652	\$2.673	\$2.682	\$2.682	2	\$2.682	\$2.682	\$2.682	\$2.682	\$2.68	32	\$2.902	\$3.036
12	% of Sales met with Inventory	0%	0%	0%	0%	3.99	%	40.3%	52.3%	48.6%	35.79	6 0.0	0%	0.0%	0.0%
13	Cost of Gas Sold before OM&A	2.846	2.682	2.765	2.858	2.823	3	2.772	2.755	2.822	2.829	3.18	36	3.217	3.348
14	Interest, OM&A and Bad Debt Expense Less Late Payment Charges <sup>2</sup>	\$0.16	\$0.18	\$0.08	\$0.03	\$0.13	3	\$0.10	\$0.06	\$0.02	\$0.00	\$0.0	)1	\$0.01	\$0.01
15	Forecast Cost of Gas Sold	\$ 3.010	\$ 2.865	\$ 2.844	\$ 2.892 \$	2.951	\$	2.870	\$ 2.815	\$ 2.842	\$ 2.831	\$ 3.19	93 9	\$ 3.222	\$ 3.353

<sup>1</sup> The volume of purchase gas has been adjusted for Fuel Gas and Line Loss.

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#### SaskEnergy Incorporated Actual Gas Prices for July 1, 2021 - June 30, 2022 \$/Gigajoule

			1		2	3	4	5		6		7		8		9		10	11	12
Line	Description		Jul-21	,	Aug-21	Sep-21	Oct-21	Nov-21		Dec-21	J	an-22		Feb-22	ı	Mar-22		Apr-22	May-22	Jun-22
1	AECO Forward Prices	\$:	3.251	5	\$3.323	\$3.502	\$3.898	\$5.395		\$4.755	\$-	4.095		\$4.459		\$4.493		\$4.556	\$5.910	\$7.374
	COST OF PURCHASE GAS																			
2	Cost of Purchase Gas - Fixed Price	\$	2.389	5	\$2.389	\$2.389	\$2.389	\$2.357		\$2.357	\$	2.357		\$2.357		\$2.357		\$2.280	\$2.280	\$2.280
3	Cost of Purchase Gas - Floating Price	\$:	3.714	5	\$3.433	\$3.631	\$4.736	\$4.654		\$4.087	\$.	4.238		\$4.574		\$4.810		\$6.119	\$6.490	\$7.371
4	Cost of Purchase Gas Before Financial Hedges	\$	2.954	5	\$2.826	\$3.018	\$3.625	\$3.233		\$3.209	\$	3.230		\$3.144		\$3.077		\$3.848	\$4.108	\$4.717
5	Change in Price due to Financial Hedges	\$1	0.000	5	\$0.000	\$0.000	\$0.000	(\$0.778)	(	(\$0.476)	(\$	0.641)	(	\$0.878)	(5	\$1.119)		\$0.000	\$0.000	\$0.000
6	Receipt Transport	\$1	0.551	5	\$0.560	\$0.494	\$0.458	\$0.456		\$0.360	\$	0.409		\$0.540		0.544		\$0.495	\$0.446	\$0.425
7	Forecast Cost of Purchase Gas		3.506		3.386	3.512	4.083	2.911		3.093		2.998		2.806		2.501		4.343	4.555	5.142
8	Volume Adjusted Cost of Purchase Gas 1	\$:	3.549	\$	\$3.434	\$3.554	\$4.130	\$2.944		\$3.121	\$	3.029		\$2.834		\$2.532	-	\$4.393	\$4.605	\$5.194
	COST OF GAS SOLD																			
9	Purchase Price		3.549		3.434	3.554	4.130	2.944		3.121	:	3.029		2.834		2.532		4.393	4.605	5.194
10	% of Sales met with Purchases	1	00.0%		100.0%	100.0%	100.0%	81.5%		63.5%		55.0%		46.1%		60.6%		100.0%	100.0%	100.0%
11	Inventory Withdrawal Price	\$:	3.196	5	\$3.245	\$3.307	\$3.380	\$3.380		\$3.380	\$	3.380		\$3.380		\$3.380		\$3.380	\$4.311	\$4.726
12	% of Sales met with Inventory		0%		0%	0%	0%	18.5%		36.5%		45.0%		53.9%		39.4%		0.0%	0.0%	0.0%
13	Cost of Gas Sold before OM&A	:	3.549		3.434	3.554	4.130	3.024		3.216		3.187		3.128		2.866		4.393	4.605	5.194
14	Interest, OM&A and Bad Debt Expense Less Late Payment Charges <sup>2</sup>	:	\$0.09		\$0.10	\$0.06	\$0.03	\$0.20		\$0.28		\$0.12		\$0.03		\$0.01		\$0.01	\$0.00	\$0.01
15	Forecast Cost of Gas Sold	\$	3.635	\$	3.537	\$ 3.611	\$ 4.155	\$ 3.227	\$	3.496	\$	3.306	\$	3.154	\$	2.874	\$	4.404	\$ 4.607	\$ 5.201

<sup>1</sup> The volume of purchase gas has been adjusted for Fuel Gas and Line Loss

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<sup>2</sup> Interest, OM&A, Bad Debt Expense and Late Payment Charges are budgeted annually and calculated as equal monthly expenses. Due to the varying monthly sales volumes, the impact on the Cost of Gas Sold will be minimal during months where sales volumes are high and considerably greater when sales volumes are low.

<sup>2</sup> Interest, OM&A, Bad Debt Expense and Late Payment Charges are budgeted annually and calculated as equal monthly expenses. Due to the varying monthly sales volumes, the impact on the Cost of Gas Sold will be minimal during months where sales volumes are high and considerably greater when sales volumes are low.

Schedule 2.2

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## SaskEnergy Incorporated

Storage Inventory Details - Actual Cost of Gas July 1, 2020 - June 30, 2021

		1	2		3	4	5	6	7	8	9	10	11		12
		Jul-20	Aug-2	0	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	J	Jun-21
Line	Gas in Storage - Volume														
1	Opening Balance (000's GJs)	6,893	9,960	)	14,153	17,495	18,378	18,114	14,836	10,350	5,505	3,471	3,077		5,228
2	Closing Balance (000's GJs)	9,960	14,153	3	17,495	18,378	18,114	14,836	10,350	5,505	3,471	3,077	5,228		7,484
3	(Injections)/ Withdrawals (000's GJs)	(3,067)	(4,193	3)	(3,342)	(882)	264	3,278	4,486	4,845	2,034	394	(2,151)	(	(2,255
4	(Injection)/Withdrawal Price	\$2.85	\$2.6	8	\$2.76	\$2.86	\$2.68	\$2.68	\$2.68	\$2.68	\$2.68	\$3.19	\$3.22		\$3.35
5	Weighted Average Price of Gas in Storage	\$2.64	\$2.6	5	\$2.67	\$2.68	\$2.68	\$2.68	\$2.68	\$2.68	\$2.68	\$2.68	\$2.90		\$3.04
	Cost of Gas in Storage														
6	Opening Balance (\$000)	\$ 17,559 \$	26,287	7 \$	37,531	\$ 46,772 \$	49,293	\$ 48,586	\$ 39,794	\$ 27,762	\$ 14,765	\$ 9,309	\$ 8,254	\$ 1	5,174
7	Closing Balance (\$000)	\$ 26,287 \$	37,531	\$	46,772	\$ 49,293 \$	48,586	\$ 39,794	\$ 27,762	\$ 14,765	\$ 9,309	\$ 8,254	\$ 15,174	\$ 2	2,724
8	Net Change in Inventory (\$000)	\$ (8,728) \$	(11,244	1) \$	(9,241)	\$ (2,521) \$	708	\$ 8,792	\$ 12,032	\$ 12,997	\$ 5,456	\$ 1,056	\$ (6,920)	\$ (	(7,550

		Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
Line	Storage Inventory Carrying Costs														
					< Summ	er>									ĺ
					Julilli	iei									i
															ĺ
9	Gas in Storage Closing Balance	\$12,456	\$11,583	\$16,995	\$17,559	\$26,287	\$37,531	\$46,772	\$49,293	\$48,586	\$39,794	\$27,762	\$14,765	\$9,309	ĺ
10	Average Daily Balance		\$12,020	\$14,289	\$17,277	\$21,923	\$31,909	\$42,152	\$48,033	\$48,939	\$44,190	\$33,778	\$21,264	\$12,037	ı
11	Interest Rate		0.70%	0.25%	0.17%	0.19%	0.18%	0.15%	0.12%	0.09%	0.13%	0.08%	0.06%	0.15%	
12	Calculated Monthly Interest Charge		\$7	\$3	\$2	\$4	\$5	\$5	\$5	\$4	\$5	\$2	\$1	\$1	ĺ
13	Total Annual Interest														\$4
14	Amortized Monthly Interest Charge														\$

Note: Tables might not add precisely due to rounding.

Schedule 2.2

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## SaskEnergy Incorporated Storage Inventory Details - Actual Cost of Gas July 1, 2021 - June 30, 2022

11 12	11	10	9	8	7	6	5	4	3	2	1	
lay-22 Jun-22	May-22	Apr-22	Mar-22	Feb-22	Jan-22	Dec-21	Nov-21	Oct-21	Sep-21	Aug-21	Jul-21	
												Gas in Storage - Volume
1,036 4,322	1,036	1,215	4,002	9,060	13,794	17,596	18,772	17,101	13,678	10,854	7,484	Opening Balance (000's GJs)
4,322 8,156	4,322	1,036	1,215	4,002	9,060	13,794	17,596	18,772	17,101	13,678	10,854	Closing Balance (000's GJs)
3,285) (3,834)	(3,285)	178	2,787	5,058	4,734	3,802	1,176	(1,672)	(3,422)	(2,824)	(3,370)	(Injections)/ Withdrawals (000's GJs)
\$4.61 \$5.19	\$4.61	\$4.39	\$3.38	\$3.38	\$3.38	\$3.38	\$3.38	\$4.13	\$3.55	\$3.43	\$3.55	(Injection)/Withdrawal Price
\$4.31 \$4.73	\$4.31	\$3.38	\$3.38	\$3.38	\$3.38	\$3.38	\$3.38	\$3.38	\$3.31	\$3.24	\$3.20	Weighted Average Price of Gas in Storage
												Cost of Gas in Storage
3,503 \$ 18,632	\$ 3,503	4,105	13,527 \$	30,622 \$	46,625 \$	59,478 \$	63,453 \$	56,548 \$	44,384 \$	34,687 \$	\$ 22,724 \$	Opening Balance (\$000)
8,632 \$ 38,547	\$ 18,632	3,503	4,105 \$	13,527 \$	30,622 \$	46,625 \$	59,478 \$	63,453 \$	56,548 \$	44,384 \$	\$ 34,687 \$	Closing Balance (\$000)
5,129) \$ (19,915)	\$ (15,129)	603	9,421 \$	17,096 \$	16,003 \$	12,853 \$	3,975 \$	(6,904) \$	(12,164) \$	(9,698) \$	\$ (11,963) \$	Net Change in Inventory (\$000)
`												,

Line	Storage Inventory Carrying Costs	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	TOTAL
	l				< Summ	er>									
9 10	Gas in Storage Closing Balance Average Daily Balance	\$9,309	\$8,254 \$8,782	\$15,174 \$11,714	\$22,724 \$18,949	\$34,687 \$28,705	\$44,384 \$39,536	\$56,548 \$50,466	\$63,453 \$60,001	\$59,478 \$61,465	\$46,625 \$53,051	\$30,622 \$38,624	\$13,527 \$22,074	\$4,105 \$8,816	
11	Calculated Monthly Interest Charge		0.11% \$1	0.11% \$1	0.12% \$2	0.15% \$4	0.17% \$6	0.17% \$7	0.17% \$9	0.19% \$10	0.15% \$7	0.17% \$6	0.24%	0.50% \$4	
13 14	Total Annual Interest Amortized Monthly Interest Charge														\$5! \$!

Note: Tables might not add precisely due to rounding.

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Schedule 3.0
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## SaskEnergy Incorporated Gas Cost Variance Account (\$000's) July 1, 2020 - June 30, 2021

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	TOTAL
1	GCVA Balance Forward at June 30, 2020	(\$8,981)												(\$8,981)
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	(\$8,981)	(\$8,489)	(\$8,164)	(\$7,512)	(\$5,609)	(\$3,541)	(\$1,270)	\$848	\$3,883	\$5,684	\$8,149	\$9,706	
3	Purchases - Alberta	\$7,376	\$9,641	\$9,779	\$10,817	\$14,079	\$9,950	\$8,292	\$13,440	\$7,123	\$7,300	\$9,693	\$9,470	\$116,958
4	Purchases - Saskatchewan	\$2,105	\$2,053	\$2,345	\$3,336	\$3,629	\$2,375	\$2,168	\$2,305	\$2,454	\$1,687	\$2,018	\$1,747	\$28,222
5	Less Purchase of Other Gas Sales	(\$280)	(\$278)	(\$279)	(\$306)	(\$528)	(\$3)	(\$11)	(\$2)	(\$7)	(\$0)	(\$11)	\$0	(\$1,704)
6	Price Risk Management (Inflows)/Outflows	\$0	\$0	\$0	\$0	(\$1,182)	(\$776)	(\$1,037)	(\$2,739)	(\$999)	\$0	\$0	\$0	(\$6,733)
7	Transportation	\$2,278	\$2,119	\$2,144	\$2,114	\$2,321	\$2,327	\$2,328	\$2,248	\$2,248	\$2,334	\$2,353	\$2,351	\$27,164
8	Cost of Purchase Gas	\$11,478	\$13,535	\$13,989	\$15,961	\$18,318	\$13,873	\$11,741	\$15,252	\$10,818	\$11,320	\$14,052	\$13,568	\$163,906
9	Storage Withdrawal (Injection)	(\$8,728)	(\$11,244)	(\$9,241)	(\$2,521)	\$708	\$8,792	\$12,032	\$12,997	\$5,456	\$1,056	(\$6,920)	(\$7,550)	(\$5,165)
10	Gas in Storage Interest Expense	\$35	\$35	\$35	\$35	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$4	\$169
11	Gas Supply Operating Maintenance & Admin Expenses	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$110	\$1,315
12	Gas Supply Related Bad Debt Expense	\$12	\$11	\$21	\$59	\$59	\$71	\$76	\$88	\$50	\$34	\$19	\$16	\$517
13	Less Gas Supply Related Late Payment Charges	\$0	\$0	(\$30)	(\$43)	(\$50)	(\$101)	(\$86)	(\$105)	(\$144)	(\$94)	(\$89)	(\$74)	(\$817)
14	Less Cost of Internal Usage	(\$42)	(\$17)	(\$41)	(\$39)	(\$83)	(\$104)	(\$134)	(\$134)	(\$169)	(\$164)	(\$91)	(\$70)	(\$1,086)
15	Cost of Gas Sold	\$2,865	\$2,430	\$4,843	\$13,561	\$19,065	\$22,643	\$23,742	\$28,211	\$16,125	\$12,265	\$7,085	\$6,004	\$158,839
16	Commodity Sales Revenue (\$3.20/GJ)	\$2,431	\$2,161	\$4,256	\$11,741	\$16,983	\$20,373	\$21,624	\$25,176	\$14,325	\$9,801	\$5,528	\$4,538	\$138,935
17	Gain (loss) on other gas sales	(59)	(57)	(65)	(84)	14	(0)	0	(0)	(0)	0	1	0	(\$251)
18	Period GCVA Balance	\$493	\$326	\$652	\$1,904	\$2,068	\$2,271	\$2,118	\$3,035	\$1,800	\$2,465	\$1,556	\$1,466	\$20,156
19	Period GCVA Interest	(\$1)	(\$1)	(\$1)	(\$1)	(\$0)	(\$0)	(\$0)	\$0	\$1	\$1	\$1	\$1	(\$1)
20	Closing Cumulative GCVA Balance (Line 2+18+19)	(\$8,489)	(\$8,164)	(\$7,512)	(\$5,609)	(\$3,541)	(\$1,270)	\$848	\$3,883	\$5,684	\$8,149	\$9,706	\$11,173	\$11,173

				Vo	olume (Giga	joules - 000s	)							
Line	Description	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21 0	Jun-21 0	TOTAL
21	Customer Sales	952	848	1,703	4,690	6,711	8,137	8,579	9,962	5,692	3,894	2,189	1,777	55,194
22	Purchases (less Fuel Gas & Line Loss)	4,033	5,047	5,060	5,585	6,477	4,897	4,142	5,164	3,718	3,553	4,368	4,053	56,096
23	Cost of Purchase Gas (\$/GJ)	\$2.846	\$2.682	\$2.765	\$2.858	\$2.828	\$2.833	\$2.835	\$2.954	\$2.910	\$3.186	\$3.217	\$3.348	
24	Storage Withdrawal (Injection)	(3,067)	(4,193)	(3,342)	(882)	264	3,278	4,486	4,845	2,034	331	(2,151)	(2,255)	(653)
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$2.846	\$2.682	\$2.765	\$2.858	\$2.682	\$2.682	\$2.682	\$2.682	\$2.682	\$3.186	\$3.217	\$3.348	
26	Internal Usage	(14)	(6)	(14)	(13)	(29)	(37)	(48)	(47)	(60)	10	(28)	(21)	(308)

Note: Numbers may not add up exact due to rounding.

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#### SaskEnergy Incorporated Gas Cost Variance Account (\$000's) July 1, 2021 - June 30, 2022

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	TOTAL
1	GCVA Balance Forward at June 30, 2021	\$11,173												\$11,173
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$11,173	\$12,058	\$13,299	\$14,728	\$20,443	\$18,936	\$19,035	\$18,635	\$17,491	\$14,688	\$20,471	\$23,361	
3	Purchases - Alberta	\$10,427	\$9,580	\$12,148	\$15,979	\$13,646	\$16,644	\$15,731	\$10,737	\$9,779	\$15,974	\$17,166	\$18,700	\$166,511
4	Purchases - Saskatchewan	\$2,184	\$2,313	\$2,358	\$2,768	\$3,327	\$4,896	\$3,308	\$3,218	\$3,772	\$3,547	\$5,352	\$8,445	\$45,488
5	Less Purchase of Other Gas Sales	\$0	(\$2)	\$0	(\$1)	(\$1)	\$0	(\$8)	(\$4)	(\$6)	(\$2)	(\$3)	(\$2)	(\$29)
6	Price Risk Management (Inflows)/Outflows	\$0	\$0	\$0	\$0	(\$4,083)	(\$3,193)	(\$3,775)	(\$3,897)	(\$4,927)	\$0	\$0	\$0	(\$19,876)
7	Transportation	\$2,353	\$2,356	\$2,373	\$2,370	\$2,393	\$2,415	\$2,408	\$2,394	\$2,393	\$2,510	\$2,446	\$2,447	\$28,859
8	Cost of Purchase Gas	\$14,964	\$14,247	\$16,879	\$21,116	\$15,282	\$20,762	\$17,664	\$12,448	\$11,011	\$22,029	\$24,961	\$29,590	\$220,952
9	Storage Withdrawal (Injection)	(\$11,963)	(\$9,698)	(\$12,164)	(\$6,904)	\$3,975	\$12,853	\$16,003	\$17,096	\$9,421	\$603	(\$15,129)	(\$19,915)	(\$15,823)
10	Gas in Storage Interest Expense	\$4	\$4	\$4	\$4	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$54
11	Gas Supply Operating Maintenance & Admin Expenses	\$110	\$110	\$110	\$110	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$1,392
12	Gas Supply Related Bad Debt Expense	\$8	\$12	\$12	\$30	\$105	\$168	\$171	\$153	\$116	\$84	\$34	\$30	\$921
13	Less Gas Supply Related Late Payment Charges	(\$39)	(\$37)	(\$27)	(\$24)	(\$36)	(\$55)	(\$91)	(\$158)	(\$186)	(\$117)	(\$139)	(\$82)	(\$992)
14	Less Cost of Internal Usage	(\$19)	(\$38)	(\$37)	(\$37)	(\$58)	(\$104)	(\$140)	(\$197)	(\$170)	(\$210)	(\$151)	(\$116)	(\$1,276)
15	Cost of Gas Sold	\$3,063	\$4,600	\$4,776	\$14,294	\$19,392	\$33,748	\$33,730	\$29,466	\$20,316	\$22,512	\$9,700	\$9,632	\$205,228
16	Commodity Sales Revenue (\$3.20/GJ)	\$2,179	\$3,361	\$3,348	\$8,581	\$20,902	\$33,651	\$34,131	\$30,612	\$23,122	\$16,736	\$6,826	\$6,055	\$189,505
17	Gain (loss) on other gas sales	0	0	0	0	1	0	2	1	4	1	2	1	\$12
18	Period GCVA Balance	\$884	\$1,238	\$1,428	\$5,713	(\$1,510)	\$97	(\$404)	(\$1,147)	(\$2,809)	\$5,775	\$2,872	\$3,575	\$15,711
19	Period GCVA Interest	\$1	\$2	\$2	\$3	\$3	\$2	\$3	\$3	\$7	\$7	\$19	\$28	\$81
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$12,058	\$13,299	\$14,728	\$20,443	\$18,936	\$19,035	\$18,635	\$17,491	\$14,688	\$20,471	\$23,361	\$26,965	\$26,965

				Ve	olume (Giga	joules - 000s	i)							
Line	Description	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22 0	Jun-22 0	TOTAL
21	Customer Sales	840	1,314	1,316	3,432	6,349	10,422	10,523	9,387	7,077	5,145	2,102	1,841	59,807
22	Purchases (less Fuel Gas & Line Loss)	4,216	4,149	4,749	5,113	5,192	6,652	5,832	4,392	4,349	5,014	5,420	5,697	60,775
23	Cost of Purchase Gas (\$/GJ)	\$3.549	\$3.434	\$3.554	\$4.130	\$2.944	\$3.121	\$3.029	\$2.834	\$2.532	\$4.393	\$4.605	\$5.194	
24	Storage Withdrawal (Injection)	(3,370)	(2,824)	(3,422)	(1,672)	1,176	3,802	4,734	5,058	2,787	137	(3,285)	(3,834)	(713)
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$3.549	\$3.434	\$3.554	\$4.130	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$4.393	\$4.605	\$5.194	
26	Internal Usage	(5)	(11)	(10)	(9)	(19)	(32)	(44)	(63)	(59)	(7)	(33)	(22)	(313)

Note: Numbers may not add up exact due to rounding

## Schedule 3.1

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# SaskEnergy Incorporated Storage Inventory Details - Gas Cost Variance Account July 1, 2020 - June 30, 2021

		1	2	3	4	5		6	7	8	9	10	11		12
		Jul-20	Aug-20	Sep-20	Oct-20	Nov-	20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21		Jun-21
Line	Gas in Storage - Volume														
1	Opening Balance (000's GJs)	6,893	9,960	14,153	17,495	18,37	8	18,114	14,836	10,350	5,505	3,471	3,077		5,228
2	Closing Balance (000's GJs)	9,960	14,153	17,495	18,378	18,11	4	14,836	10,350	5,505	3,471	3,077	5,228		7,484
3	(Injections)/ Withdrawals (000's GJs)	(3,067)	(4,193)	(3,342)	(882)	26	4	3,278	4,486	4,845	2,034	394	(2,151)	,	(2,255)
4	(Injection)/Withdrawal Price	\$2.85	\$2.68	\$2.76	\$2.86	\$0.	00	\$0.00	\$0.00	\$0.00	\$0.00	\$3.19	\$3.22		\$3.35
5	Weighted Average Price of Gas in Storage	\$2.64	\$2.65	\$2.67	\$2.68	\$2.	58	\$2.68	\$2.68	\$2.68	\$2.68	\$2.68	\$2.90		\$3.04
	Cost of Gas in Storage														
6	Opening Balance (\$000)	\$ 17,559	\$ 26,287	\$ 37,531	\$ 46,772 \$	49,29	3 \$	48,586	\$ 39,794	\$ 27,762	\$ 14,765	\$ 9,309	\$ 8,254	\$	15,174
7	Closing Balance (\$000)	\$ 26,287	\$ 37,531	\$ 46,772	\$ 49,293 \$	48,58	6 \$	39,794	\$ 27,762	\$ 14,765	\$ 9,309	\$ 8,254	\$ 15,174	\$	22,724
8	Net Change in Inventory (\$000)	\$ (8,728)	\$ (11,244)	\$ (9,241)	\$ (2,521) \$	70	8 \$	8,792	\$ 12,032	\$ 12,997	\$ 5,456	\$ 1,056	\$ (6,920)	\$	(7,550)

Line Storage Inventory Carrying Costs	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	TOTAL
			₹	Previous St	ummer>									
9 Gas in Storage Closing Balance 10 Average Daily Balance	\$12,456	\$11,583 \$12,020	\$16,995 \$14,289	\$17,559 \$17,277	\$26,287 \$21,923	\$37,531 \$31,909	\$46,772 \$42,152	\$49,293 \$48,033	\$48,586 \$48,939	\$39,794 \$44,190	\$27,762 \$33,778	\$14,765 \$21,264	\$9,309 \$12,037	
11 Interest Rate 12 Calculated Monthly Interest Charge 13 Total Annual Interest 14 Amortized Monthly Interest Charge		0.70% \$7	0.25% \$3	0.17% \$2	0.19% \$4	0.18% \$5	0.15% \$5	0.12% \$5	0.09% \$4	0.13% \$5	0.08% \$2	0.06% \$1	0.15% \$1	\$44 \$4

Note: Numbers may not add up exact due to rounding

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Schedule 3.1

# SaskEnergy Incorporated Storage Inventory Details - Gas Cost Variance Account July 1, 2021 - June 30, 2022

				-		,		4		,		0		/		٥		9		10		11		12
		Jul-21	-	Aug-21		Sep-21		Oct-21	N	ov-21		Dec-21		Jan-22		Feb-22		Mar-22		Apr-22		May-22	!	Jun-2
Gas in Storage - Volume																								
Opening Balance (000's GJs)		7,484		.,		13,678		17,101				17,596		13,794		9,060		4,002		1,215		1,036		4,322
Closing Balance (000's GJs)		10,854	1	13,678		17,101		18,772	17	7,596		13,794		9,060		4,002		1,215		1,036		4,322		8,156
(Injections)/ Withdrawals (000's GJs)		(3,370)		(2,824)		(3,422)		(1,672)		1,176		3,802		4,734		5,058		2,787		178		(3,285)		(3,834
(Injection)/Withdrawal Price		\$3.55		\$3.43		\$3.55		\$4.13		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$4.39		\$4.61		\$5.1
Weighted Average Price of Gas in Storage		\$3.20		\$3.24		\$3.31		\$3.38		\$3.38		\$3.38		\$3.38		\$3.38		\$3.38		\$3.38		\$4.31		\$4.7
Cost of Gas in Storage																								
Opening Balance (\$000)	\$	22,724	\$ 3	34,687	\$	44,384	\$	56,548	\$ 63	3,453	\$	59,478	\$	46,625	\$	30,622	\$	13,527	\$	4,105	\$	3,503	\$	18,632
Closing Balance (\$000)	\$	34,687	\$ 4	14,384	\$	56,548	\$	63,453	\$ 59	9,478	\$	46,625	\$	30,622	\$	13,527	\$	4,105	\$	3,503	\$	18,632	\$	38,547
Net Change in Inventory (\$000)	¢	(11,963)	4	(9 698)	\$	(12,164)	\$	(6,904)	\$ :	3,975	\$	12,853	\$	16,003	\$	17.096	\$	9,421	\$	603	\$	(15,129)	\$	(19.91
	Opening Balance (000's Gjs) Closing Balance (000's Gjs) (Injections)/ Withdrawals (000's Gjs) (Injection)/Withdrawal Price Weighted Average Price of Gas in Storage Cost of Gas in Storage Opening Balance (\$000) Closing Balance (\$000)	Opening Balance (000's Gjs) Closing Balance (000's Gjs) (Injections)/ Withdrawals (000's Gjs) (Injection)/Withdrawal Price Weighted Average Price of Gas in Storage  Cost of Gas in Storage Opening Balance (\$000) \$  Closing Balance (\$000) \$	Gas in Storage - Volume         7,484           Opening Balance (000's Gjs)         10,854           (Injections)/ Withdrawals (000's Gjs)         (3,370)           (Injections)/ Withdrawal Price         \$3,55           Weighted Average Price of Gas in Storage         \$3,20           Cost of Gas in Storage         9pening Balance (\$000)         \$ 22,724           Closing Balance (\$000)         \$ 34,687	Cost of Gas in Storage   Cost of Gas in Stor	Gas in Storage - Volume         7,484         10,854           Opening Balance (000's GJs)         7,484         13,678           Closing Balance (000's GJs)         10,854         13,678           (Injections)/ Withdrawals (000's GJs)         (3,370)         (2,824)           (Injection)/ Withdrawal Price         \$3.55         \$3.43           Weighted Average Price of Gas in Storage         \$3.20         \$3.24           Cost of Gas in Storage         \$22,724         \$ 34,687           Closing Balance (\$000)         \$ 34,687         \$ 44,384	Closing Balance (000's GJs)   7,484   10,854   10,854   10,854   13,678   10,854   13,678   10,854   13,678   10,854   13,678   10,854   13,678   10,854   13,678   10,854   13,678   10,854   13,678   10,854   13,678   10,854	Gas in Storage - Volume         7,484         10,854         13,678           Opening Balance (000's Gjs)         10,854         13,678         17,101           (Injections)/ Withdrawals (000's Gjs)         (3,370)         (2,824)         (3,422)           (Injections)/ Withdrawal Price         \$3.55         \$3.43         \$3.55           Weighted Average Price of Gas in Storage         \$3.20         \$3.24         \$3.31           Cost of Gas in Storage         \$22,724         \$34,687         \$44,384           Closing Balance (\$000)         \$24,724         \$34,687         \$44,384           Closing Balance (\$000)         \$34,687         \$44,384         \$56,588	Gas in Storage - Volume         7,484         10,854         13,678           Opening Balance (000's Gjs)         7,484         13,678         17,101           Closing Balance (000's Gjs)         10,854         13,678         17,101           (Injection)/Withdrawals (000's Gjs)         (3,370)         (2,824)         33,25           Weighted Average Price of Gas in Storage         \$3,20         \$3,24         \$33,31           Cost of Gas in Storage           Opening Balance (\$000)         \$2,724         \$34,687         \$44,384         \$1,684           Closing Balance (\$000)         \$34,687         \$44,384         \$5,6548         \$5,6548	Gas in Storage - Volume           Opening Balance (000's Gjs)         7,484         10,854         13,678         17,101         18,772           (losing Balance (000's Gjs)         10,854         13,678         17,101         18,772           (lnjections)/Withdrawals (000's Gjs)         (3,370)         (2,824)         (3,422)         (1,672)           (lnjections)/Withdrawals Price         \$3.55         \$3.43         \$3.55         \$4.13           Weighted Average Price of Gas in Storage         \$3.24         \$3.24         \$3.31         \$3.38           Cost of Gas in Storage         \$22,724         \$34,687         \$44,384         \$56,548           Closing Balance (\$000)         \$34,687         \$44,384         \$56,548         \$63,438	Gas in Storage - Volume         7,484         10,854         13,678         17,101         11           Closing Balance (000's GJs)         10,854         13,678         17,101         18,772         1           (Injections)/Withdrawals (000's GJs)         (3,370)         (2,824)         (3,422)         (1,672)           (Injections)/Withdrawal Price         \$3.55         \$3.43         \$3.55         \$4.13           Weighted Average Price of Gas in Storage         \$3.20         \$3.24         \$3.31         \$3.38           Cost of Gas in Storage           Opening Balance (\$000)         \$ 22,724         \$ 34,687         \$ 44,384         \$ 56,548         \$ 6           Closing Balance (\$000)         \$ 34,687         \$ 44,384         \$ 56,548         \$ 6	Gas in Storage - Volume           Opening Balance (000's GJs)         7,484         10,854         13,678         17,101         18,772         17,596           (Injections)/Withdrawals (000's GJs)         (3,370)         (2,824)         (3,422)         (1,672)         1,176           (Injections)/Withdrawals (000's GJs)         33,55         33,43         33,55         54,13         50,00           Weighted Average Price of Gas in Storage         \$3,20         \$3,24         \$3,31         \$3,38         \$3,38           Cost of Gas in Storage         \$22,724         \$34,687         \$44,384         \$56,548         \$63,453         \$59,478           Closing Balance (\$000)         \$34,687         \$44,384         \$56,548         \$50,448         \$56,488         \$63,453	Closing Balance (000's Gjs)   7,484   10,854   13,678   17,101   18,772   17,596   10,854   13,678   17,101   18,772   17,596   10,854   13,678   17,101   18,772   17,596   10,854   13,678   17,101   18,772   17,596   10,854   13,678   17,101   18,772   17,596   10,854   13,678   17,101   18,772   17,596   10,854	Gas in Storage - Volume           Opening Balance (000's Gjs)         7,484         10,854         13,678         17,101         18,772         17,596         13,794           (Injections/Withdrawals (000's Gjs)         (3,370)         (2,824)         (3,422)         (1,672)         1,176         3,802           (Injections/Withdrawals (000's Gjs)         \$3,55         \$3,43         \$3,55         \$4,13         \$0,00         \$0,00         \$0,00           Weighted Average Price of Gas in Storage         \$3,20         \$3,24         \$3,31         \$3,38         \$3,38         \$3,38           Cost of Gas in Storage         \$2,724         \$3,4687         \$44,384         \$5,6548         \$63,453         \$5,9478           Closing Balance (\$000)         \$3,4,687         \$44,384         \$5,6548         \$63,453         \$5,9478	Companing Balance (000°s Gjs)	Gas in Storage - Volume           Opening Balance (000's Gjs)         7,484         10,854         13,678         17,101         18,772         17,596         13,794         9,060           (Injections)/Withdrawals (000's Gjs)         (3,370)         (2,824)         (3,422)         (1,672)         1,176         3,802         4,734           (Injections)/Withdrawal Price         \$3,355         \$3,43         \$3,355         \$4,13         \$0,00         \$0,00         \$0,00           Weighted Average Price of Gas in Storage         \$3,20         \$3,24         \$3,31         \$3,38         \$3,38         \$3,38         \$3,38           Cost of Gas in Storage         \$22,724         \$34,687         \$44,384         \$56,548         \$63,453         \$59,478         \$46,625           Closing Balance (\$000)         \$34,687         \$44,384         \$56,548         \$63,453         \$59,478         \$46,625	Closing Balance (000)'s Gjs)	Gas in Storage - Volume  Opening Balance (000's Gjs) 7,484 10,854 13,678 17,101 18,772 17,596 13,794 9,060 4,002 (Injectionsy) Withdrawals (000's Gjs) (3,370) (2,824) (3,422) (1,672) 1,176 3,802 4,734 5,058 (Injections) Withdrawals (000's Gjs) (33,370) (2,824) (3,422) (1,672) 1,176 3,802 4,734 5,058 (Injections) Withdrawal Price \$3.55 \$3.43 \$3.55 \$4.13 \$0.00 \$0.00 \$0.00 \$0.00 Weighted Average Price of Gas in Storage \$3.20 \$3.24 \$3.31 \$3.38	Gas in Storage - Volume           Opening Balance (000's Gjs)         7,484         10,854         13,678         17,101         18,772         17,596         13,794         9,060         4,002           (Injections)/Withdrawals (000's Gjs)         (3,370)         (2,824)         (3,422)         (1,672)         1,176         3,802         4,734         5,058           (Injections)/Withdrawal Price         \$3,555         \$3,43         \$3,555         \$4,13         \$0,00         \$0,00         \$0,00           Weighted Average Price of Gas in Storage         \$3,20         \$3,24         \$3,331         \$3,38         \$3,38         \$3,38         \$3,38         \$3,38           Cost of Gas in Storage         \$22,724         \$34,687         \$44,384         \$56,548         \$63,453         \$59,478         \$46,625         \$30,622         \$13,527         \$10,622         \$13,527         \$10,622         \$13,527         \$10,622         \$13,527         \$10,622         \$13	Gas in Storage - Volume           Opening Balance (000's GJs)         7,484         10,854         13,678         17,101         18,772         17,596         13,794         9,060         4,002         1,215           (Injections)/Withdrawals (000's GJs)         (3,370)         (2,824)         (3,422)         (1,672)         1,176         3,802         4,734         5,058         2,787           (Injections)/Withdrawal Price         \$3,55         \$3,43         \$3,55         \$4,13         \$0,00	Opening Balance (000's Gjs)	Gas in Storage - Volume  Opening Balance (000's Gjs)	Opening Balance (000's GJs) 7,484 10,854 13,678 17,101 18,772 17,596 13,794 9,060 4,002 1,215 10,036 10,035 10,854 13,678 17,101 18,772 17,596 13,794 9,060 4,002 1,215 1,036 10,035 10,035 10,854 13,678 17,101 18,772 17,596 13,794 9,060 4,002 1,215 1,036 10,035	Gas in Storage - Volume  Opening Balance (000's Gjs)	Gas in Storage - Volume  Opening Balance (000's Gjs)

Line	Storage Inventory Carrying Costs	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	TOTAL
	· · · · · · · · · · · · · · · · · · ·			<	Previous Si	ımmer>									
									,						
9	Gas in Storage Closing Balance	\$9,309	\$8,254	\$15,174	\$22,724	\$34,687	\$44,384	\$56,548	\$63,453	\$59,478	\$46,625	\$30,622	\$13,527	\$4,105	
10	Average Daily Balance		\$8,782	\$11,714	\$18,949	\$28,705	\$39,536	\$50,466	\$60,001	\$61,465	\$53,051	\$38,624	\$22,074	\$8,816	
11	Interest Rate		0.11%	0.11%	0.12%	0.15%	0.17%	0.17%	0.17%	0.19%	0.15%	0.17%	0.24%	0.50%	
12	Calculated Monthly Interest Charge		\$1	\$1	\$2	\$4	\$6	\$7	\$9	\$10	\$7	\$6	\$4	\$4	
13	Total Annual Interest														\$59
14	Amortized Monthly Interest Charge														\$5

Note: Numbers may not add up exact due to rounding

d) Please provide a version of Schedule 1.0 with and without taxes/ surcharges.

Schedule 1.0 is the Delivery Revenue Requirement Summary and is not applicable with and without taxes/surcharges.

## 2. Reference: Proposed Commodity Rate

a) Section 2.4 of the application (page 52 of the application) states the proposed commodity rate is based on \$4.10/GJ while the heading in the table in section 2.5 (page 52 of the application) states the proposed commodity rate increase is based on \$4.20/GJ. Please confirm which figure is correct.

The proposed commodity rate of \$4.20/GJ is correct.

b) Please provide the data used to calculate the assumed heating value of 39.90 MJ/m³ in Schedule 4.0 of the Application.

SaskEnergy updates its heat value forecast on an annual basis. It reviews the actual heat values from the previous years as well as the heat values from Alberta interconnects to establish the forecast. This review includes upcoming changes to the system that may impact the heat value.

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The two years actual heat values used for the forecast are as follows:

2019-20: 39.19 MJ/m<sup>3</sup>

2020-21: 39.63 MJ/m<sup>3</sup>

The actual heat value for 2021-22 was not available at the time the 2022-23 heat value forecast was prepared. The heat value forecast was prepared early in the 2021-22 year, as it is one of the first inputs required to prepare the revenue forecast for the budget process.

c) Please provide heating values by region and the impact to customer bills in each region if the commodity rates are approved based on 39.90 MJ/m³.

Region	Heat Value (MJ/m³)	Со	Current mmodity Bill (\$)	Coi	roposed mmodity Bill (\$)	nmodity
Regina	40.40	\$	320.83	\$	420.24	\$ 99.41
Moose Jaw	38.62	\$	335.64	\$	439.64	\$ 104.00
Weyburn	42.05	\$	308.24	\$	403.76	\$ 95.51
Estevan	42.99	\$	301.45	\$	394.86	\$ 93.41
Swift Current	38.61	\$	335.68	\$	439.69	\$ 104.01
Yorkton	40.68	\$	318.64	\$	417.37	\$ 98.73
Melville	39.91	\$	324.78	\$	425.42	\$ 100.64
Saskatoon	38.79	\$	334.09	\$	437.61	\$ 103.52
Prince Albert	40.09	\$	323.31	\$	423.49	\$ 100.18
North Battleford	39.00	\$	332.32	\$	435.29	\$ 102.97
System Average	39.90	\$	324.84	\$	425.49	\$ 100.65

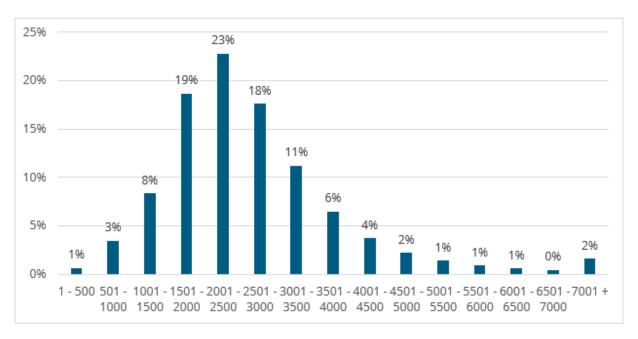
## 3. Customer Bill impacts

a) To better understand the distribution of potential customer bill impacts, please provide a frequency distribution chart showing the percentage of residential customers at annual consumption intervals of 0-500 cubic meters, 501-1000 cubic meters, etc. at 500 cubic meter intervals up to 7001 or greater cubic meters.

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## Distribution by Annual Consumption – Residential

(Based on 2021-22 customer numbers and usage in m<sup>3</sup>)



b) What is SaskEnergy's understanding of the impact of the proposed rate to commercial/ small industrial customers? Has SaskEnergy communicated with these customers groups on potential impacts from the proposed rate increase?

SaskEnergy understands that a commodity rate increase has a larger impact on customers that use more natural gas. SaskEnergy has not communicated to these groups individually, but rather through a message on the customer bill and through the media. The large number of customers makes it unreasonable to try to communicate with each customer individually. Large industrial customers do not deal with SaskEnergy, but rather with TransGas, and purchase their natural gas from another supplier.

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## 4. Reference: Forecast Cost of Gas Sold

a) Please provide the transportation cost per GJ for the last five years and explain the reasons for each change.

The average cost of transportation for SaskEnergy is outlined in the table below:

Year	Cost per GJ
2016-17	\$0.62
2017-18	\$0.52
2018-19	\$0.54
2019-20	\$0.57
2020-21	\$0.60
2021-22	\$0.57

Transportation costs are derived by taking total transportation costs and dividing by Alberta purchase volume to determine the value of the transport per GJ. These costs can vary year-to-year based on TransGas transportation expenses as well as the volume of gas SaskEnergy must purchase to meet its load which is dependent on weather. With Saskatchewan now a net importer of natural gas, SaskEnergy contracts firm Alberta transportation to meet a one-in 25 winter. The transportation contract must be paid for, regardless if SaskEnergy needs it due to cold weather. Hence, during cold winters, the cost per GJ of transportation will be lower than during a warm winter, when less natural gas is purchased.

b) Please provide details of the calculation, including volumes and rates, of "cost upstream of TEP" amounts in Schedule 2.0 and "Receipt Transport" \$/GJ shown in Schedule 2.1. Please provide these calculations in MS excel format with all formulae intact.

The Cost Upstream of TEP and Receipt Transport cost for SaskEnergy is outlined in the table below. Changes from the rate application include updated TransGas rate for Alberta transportation effective August 1, 2022, and an additional 10,000 GJ per day of firm transportation effective November 1, 2022. TransGas adjusts the all-inclusive Alberta service rate each quarter to reflect changes in NGTL rates, changes in liquids credits and optimization of transportation contracts, when they are not being utilized by customers.

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	Rate per GJ	Volume per Day	Total Volume	Cost Upstream of TEP	Receipt Transport Cost per GJ
January	\$0.4057	210000	6,510,000	\$2,641,107	\$0.5455
February	\$0.4057	210000	5,880,000	\$2,385,516	\$0.5455
March	\$0.4057	210000	6,510,000	\$2,641,107	\$0.5455
April	\$0.4057	210000	6,300,000	\$2,555,910	\$0.5790
May	\$0.4057	210000	6,510,000	\$2,641,107	\$0.5790
June	\$0.4057	210000	6,300,000	\$2,555,910	\$0.5790
July	\$0.4057	210000	6,510,000	\$2,641,107	\$0.5790
August	\$0.4057	210000	6,510,000	\$2,641,107	\$0.5790
September	\$0.4057	210000	6,300,000	\$2,555,910	\$0.5790
October	\$0.4057	210000	6,510,000	\$2,641,107	\$0.5790
November	\$0.4057	210000	6,300,000	\$2,555,910	\$0.5467
December	\$0.4057	210000	6,510,000	\$2,641,107	\$0.5467

c) The figure on page 47 of the Application [AECO Monthly Index Historical Prices] shows the average price from 2015 to present was \$2.34/GJ. Please provide the average cost of purchases [excluding transportation cost and losses] for SaskEnergy for the same period, separately showing Alberta and Saskatchewan purchases.

The average cost of gas purchases for SaskEnergy before any other costs is outlined in the table below:

Year	Alberta	SK
2016-17	\$3.14	\$2.53
2017-18	\$2.85	\$1.65
2018-19	\$2.27	\$2.01
2019-20	\$2.31	\$2.56
2020-21	\$2.72	\$3.27

d) Please provide details regarding how Saskatchewan Purchases, Alberta Purchases, Price Risk Management (inflows)/Outflows, and Costs upstream of TEP in Schedule 2.0 are calculated for the period from November 2022 to October 2023 showing volumes, applicable rates, and other adjustments, if any, used to arrive each cost item. Please provide calculations in MS excel format.

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The schedules are produced from SaskEnergy's proprietary Cost of Gas model.

Saskatchewan purchases are derived by taking the total cost of gas before hedges and subtracting the total cost of Alberta purchases to determine the value of the gas purchased in Saskatchewan.

Alberta purchases are derived by taking the total cost of fixed price and index gas purchased in Alberta.

The Price Risk Management inflows/outflows is derived by taking the profits/losses on the natural gas swaps.

Costs upstream of TEP are calculated by taking the firm transportation volume from Alberta and multiplying it by the rate.

- e) Please provide details of the following:
  - i How are Cost of Purchase Gas in Schedule 2.1 derived? Please provide a version of Schedule 2.1 that itemizes the add-ons, premiums, or adjustments between the AECO forward price and the Cost of Purchase Gas before financial hedges.

These are the total costs of gas divided by total volume of gas purchased in each category.

Cost of Gas	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23
Cost of Purchase Gas Before Financial Hedges	155,830	155,830	156,180	156,180	156,180	147,155	147,155	147,155	147,155	147,155	147,155	147,153
Fixed Price Gas Volumes and Costs (incl. Excess gas purchas	es)											
Fixed Price Gas at AECO Volumes (GJs)	2,880,000	2,976,000	2,976,000	2,688,000	2,976,000	3,000,000	3,100,000	3,000,000	3,100,000	3,100,000	3,000,000	3,100,000
Fixed Price Gas at AECO Cost of Gas	6,255,675	\$ 6,464,198 \$	6,464,198 \$	5,838,630 \$	6,464,198 \$	6,609,300 \$	6,829,610 \$	6,609,300 \$	6,829,610 \$	6,829,610 \$	6,609,300 \$	6,829,610
Fixed Price Gas at SaskField Volumes (GJs)				-							-	
Fixed Price Gas at SaskField Cost of Gas	- 3	s - s	- \$	- \$	- S	- \$	- \$	- S	- S	- \$	- \$	-
Fixed Price Gas at TEP Volumes (GJs)	-	-	-	-	-	-	-	-	-	-	-	-
Fixed Price Gas at TEP Cost of Gas	- 3	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Total Fixed Price Volumes (GJs)	2,880,000	2,976,000	2,976,000	2,688,000	2,976,000	3,000,000	3,100,000	3,000,000	3,100,000	3,100,000	3,000,000	3,100,000
Avg CoG/GJ Fixed Price Gas	2.172	\$ 2.172 \$	2.172 \$	2.172 \$	2.172 \$	2.203 \$	2.203 \$	2.203 \$	2.203 \$	2.203 \$	2.203 \$	2.203
Percentage of Purchase Gas Fixed with Fixed Price Gas	61.6%	61.6%	61.5%	61.5%	61.5%	68.0%	68.0%	68.0%	68.0%	68.0%	68.0%	68.0%
Forward Curves												
AECO CGPR Curve	7.958	\$ 7.958 \$	7.958 \$	7.958 \$	7.958 \$	4.277 \$	4.277 \$	4.277 \$	4.277 \$	4.277 \$	4.277 \$	4.277
Alberta Basis Curve	7.963	\$ 7.963 \$	7.963 \$	7.963 \$	7.963 \$	4.282 \$	4.282 \$	4.282 \$	4.282 \$	4.282 \$	4.282 \$	4.282
SaskField Basis Curve	8.658	\$ 8.658 \$	8.658 \$	8.658 \$	8.658 \$	4.977 \$	4.977 \$	4.977 \$	4.977 \$	4.977 \$	4.977 \$	4.977
TEP Basis Curve	8.658	\$ 8.658 \$	8.658 \$	8.658 \$	8.658 \$	4.977 \$	4.977 \$	4.977 \$	4.977 \$	4.977 \$	4.977 \$	4.977
Floating Gas Price Volumes and Costs (Before Sales)												
Total Alberta Purchases Floating Gas Volumes (GJs)	1,044,900	1,079,730	1,090,580	985,040	1,090,580	664,650	686,805	664,650	686,805	686,805	664,650	686,728
Less Physical Gas Swap Purchases	-			-		-		-	-	-		-
Alberta Purchases Floating Gas Volumes (GJs)	1,044,900	1,079,730	1,090,580	985,040	1,090,580	664,650	686,805	664,650	686,805	686,805	664,650	686,728
Alberta Purchases Floating Gas Cost of Gas	8,320,539	\$ 8,597,890 \$	8,684,289 \$	7,843,874 \$	8,684,289 \$	2,846,031 \$	2,940,899 \$	2,846,031 \$	2,940,899 \$	2,940,899 \$	2,846,031 \$	2,940,569
SaskField Purchases Floating Gas Volumes (GJs)	750,000	775,000	775,000	700,000	775,000	750,000	775,000	750,000	775,000	775,000	750,000	775,000
	6,493,500	\$ 6,709,950 \$	6,709,950 \$	6,060,600 \$	6,709,950 \$	3,732,750 \$	3,857,175 \$	3,732,750 \$	3,857,175 \$	3,857,175 \$	3,732,750 \$	3,857,175
TEP Purchases Floating Gas Volumes (GJs)	-	-	-	-	-	-	-	-	-	-	-	-
TEP Purchases Floating Gas Cost of Gas	- 3	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Total Volume Floating Gas	1,794,900	1,854,730	1,865,580	1,685,040	1,865,580	1,414,650	1,461,805	1,414,650	1,461,805	1,461,805	1,414,650	1,461,728
Raw Cost of Gas before Hedges												
Total Cost of Alberta Purchased Gas	14,576,214		15,148,486 \$	13,682,504 \$	15,148,486 \$	9,455,331 \$	9,770,509 \$	9,455,331 \$	9,770,509 \$	9,770,509 \$	9,455,331 \$	9,770,179
Total Cost of SaskField Purchased Gas	6,493,500	\$ 6,709,950 \$	6,709,950 \$	6,060,600 \$	6,709,950 \$	3,732,750 \$	3,857,175 \$	3,732,750 \$	3,857,175 \$	3,857,175 \$	3,732,750 \$	3,857,175
Total Cost of TEP Purchased Gas	- 3	\$ - \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Basis Gas Sw ap (AECO Daily to Monthly)	-	\$ - 5	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	- \$	-
Total Raw Cost of Gas before Hedges	21,069,714	\$ 21,772,037 \$	21,858,436 \$	19,743,104 \$	21,858,436 \$	13,188,081 \$	13,627,684 \$	13,188,081 \$	13,627,684 \$	13,627,684 \$	13,188,081 \$	13,627,354
Average Raw Cost of Gas before Hedges	4.507	\$ 4.507 \$	4.515 \$	4.515 \$	4.515 \$	2.987 \$	2.987 \$	2.987 \$	2.987 \$	2.987 \$	2.987 \$	2.987

i. Please provide details on how "change in price due to Financial Hedges" in Schedule 2.1. are derived.

This is the average cost per GJ of gas purchases before hedges minus the average cost of gas per GJ of the fixed price hedges gives the difference (change in price due to financial hedges).

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f) Please clarify the source for "forward price at May 18, 2022" in Schedule 2.1 and compare it with the most recently available AECO Forward Prices. Please indicate the approximate impact on the proposed commodity rate of updating for the most recently available AECO Forward Prices, if applicable.

The source for the forward price at May 18, 2022, is the ICE NGX forward curve. The AECO forward prices in Schedule 2.1 were sourced from the May 18, 2022, TD Energy Daily market pricing.

A comparison to the rates as of August 15, 2022, are as follows:

## **AECO Forward Prices**

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22-Aug 22-Sep 22-Oct 22-Nov 22-Dec 23-Jan 23-Feb 23-Mar 23-Apr 23-May 23-Jun 23-Jul 23-Aug 23-Sep 23-Oct Rate Application $7.0053 $7.1285 $7.2003 $7.8712 $8.3072 $8.3075 $8.3265 $8.1997 $6.9496 $4.5887 $4.3220 $4.2931 $4.2173 $4.2110 $4.0906 $4.1859 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0007 $4.0
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## 5. Reference: Interest and Operating Expenses

a) Please explain the increase in OM&A shown on page 1 of Tab 20 for 2022-23 compared to 2020-21 actuals. In particular, please discuss the degree to which changes are driven by overall increases in costs compared to changes in allocation methods or assumptions.

The changes are driven by overall increases in costs. The allocation methods or assumptions are very similar since 2020-21. The corporate overhead costs are the primary driver mainly driven by higher divisional support costs more specifically higher digital, technology and security and community engagement costs, higher management costs, and higher audit fees.

b) Please explain the increase in bad debt expense forecasts for 2022-23 compared to 2021-22 forecasts.

The increase in bad debt expense forecasts for 2022-23 compared to 2021-22 forecasts is mainly driven by the increase in the customer's bill due to carbon charges and utility rates. It is expected that the incremental cost, high inflation and anticipated upcoming economic downturn will increase collection risk and bad debt expense.

c) On page 1 of tab 20 SaskEnergy states "bad debt expense was increased in the 2022-23 forecast as it is remaining higher than originally forecast" – please provide a revised forecast or preliminary actuals for bad debt for 2021-22 and a

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comparison with the 2021-22 forecast provided in Tab 20.

The actual bad debt expense for 2021-22 is a credit (contra expense) of \$0.8 million compared to a debit (expense) of \$0.4 million forecast in 2021-22 as per the schedule shown in Tab 20 page 1. The expected allowance for doubtful accounts was significantly lower than anticipated which in turn reduces the bad debt expense. Higher expected credit loss and bad debt expense were recorded at March 31, 2021, due to uncertainties of economic condition as a result of Covid-19 and the shut down of the province. As the province and business resumed to normal at March 31, 2022, lower expected credit losses were recorded, and a bad debt recovery of \$0.8 million was recorded at March 31, 2022, as it was overstated in the prior year.

## 6. Gas Cost Variance Account

a) Please provide a version of Schedule 3.0 of the application showing forecasts through October 2023 based on current gas price forecasts and assuming the requested commodity rate is approved.

Schedule 3.0 Page 1 of 2

SaskEnergy Incorporated
Gas Cost Variance Account (\$000's)
November 1, 2021 - October 31, 2022

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22 Forecast	Aug-22 Forecast	Sep-22 Forecast	Oct-22 Forecast	TOTAL
1	GCVA Balance Forward at October 31, 2021	\$20,443												\$20,443
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$20,443	\$18,936	\$19,035	\$18,635	\$17,491	\$14,688	\$20,471	\$23,361	\$26,965	\$28,375	\$28,138	\$27,981	
3	Purchases - Alberta	\$13,646	\$16,644	\$15,731	\$10,737	\$9,779	\$15,974	\$17,166	\$18,700	\$16,017	\$10,311	\$10,387	\$10,731	\$165,824
4	Purchases - Saskatchewan	\$3,327	\$4,896	\$3,308	\$3,218	\$3,772	\$3,547	\$5,352	\$8,445	\$6,151	\$4,341	\$4,722	\$4,880	\$55,958
5	Less Purchase of Other Gas Sales	(\$1)	\$0	(\$8)	(\$4)	(\$6)	(\$2)	(\$3)	(\$2)	\$0	\$0	\$0	\$0	(\$26)
6	Price Risk Management (Inflows)/Outflows	(\$4,083)	(\$3,193)	(\$3,775)	(\$3,897)	(\$4,927)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$19,876)
7	Transportation	\$2,393	\$2,415	\$2,408	\$2,394	\$2,393	\$2,510	\$2,446	\$2,447	\$2,489	\$2,515	\$2,434	\$2,515	\$29,360
8	Cost of Purchase Gas	\$15,282	\$20,762	\$17,664	\$12,448	\$11,011	\$22,029	\$24,961	\$29,590	\$24,657	\$17,167	\$17,544	\$18,126	\$231,240
9	Storage Withdrawal (Injection)	\$3,975	\$12,853	\$16,003	\$17,096	\$9,421	\$603	(\$15,129)	(\$19,915)	(\$20,280)	(\$13,388)	(\$10,711)	(\$2,767)	(\$22,239)
10	Gas in Storage Interest Expense	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$5	\$59
11	Gas Supply Operating Maintenance & Admin Expenses	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$119	\$1,431
12	Gas Supply Related Bad Debt Expense	\$105	\$168	\$171	\$153	\$116	\$84	\$34	\$30	\$15	\$16	\$27	\$61	\$979
13	Less Gas Supply Related Late Payment Charges	(\$36)	(\$55)	(\$91)	(\$158)	(\$186)	(\$117)	(\$139)	(\$82)	(\$48)	(\$27)	(\$24)	(\$23)	(\$987)
14	Less Cost of Internal Usage	(\$58)	(\$104)	(\$140)	(\$197)	(\$170)	(\$210)	(\$151)	(\$116)	(\$60)	(\$53)	(\$128)	(\$137)	(\$1,523)
15	Cost of Gas Sold	\$19,392	\$33,748	\$33,730	\$29,466	\$20,316	\$22,512	\$9,700	\$9,632	\$4,408	\$3,840	\$6,832	\$15,384	\$208,959
16	Commodity Sales Revenue (\$3.20/GJ)	\$20,902	\$33,651	\$34,131	\$30,612	\$23,122	\$16,736	\$6,826	\$6,055	\$3,042	\$4,136	\$7,046	\$15,994	\$202,254
17	Gain (loss) on other gas sales	1	0	2	1	4	1	2	1	0	0	0	0	\$11
18	Period GCVA Balance	(\$1,510)	\$97	(\$404)	(\$1,147)	(\$2,809)	\$5,775	\$2,872	\$3,575	\$1,366	(\$296)	(\$214)	(\$610)	\$6,694
19	Period GCVA Interest	\$3	\$2	\$3	\$3	\$7	\$7	\$19	\$28	\$44	\$60	\$57	\$12	\$246
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$18,936	\$19,035	\$18,635	\$17,491	\$14,688	\$20,471	\$23,361	\$26,965	\$28,375	\$28,138	\$27,981	\$27,383	\$27,383

				Vo	olume (Giga	joules - 000s	)							
Line	Description	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22 Forecast	Oct-22 Forecast	TOTAL
21	Customer Sales	6,349	10,422	10,523	9,387	7,077	5,145	2,102	1,841	945	985	1,678	3,808	60,327
22	Purchases (less Fuel Gas & Line Loss)	5,192	6,652	5,832	4,392	4,349	5,014	5,420	5,697	5,397	4,534	4,388	4,534	61,402
23	Cost of Purchase Gas (\$/GJ)	\$2.944	\$3.121	\$3.029	\$2.834	\$2.532	\$4.393	\$4.605	\$5.194	\$4.569	\$3.786	\$3.998	\$3.998	
24	Storage Withdrawal (Injection)	1,176	3,802	4,734	5,058	2,787	178	(4,476)	(5,892)	(6,000)	(3,961)	(3,169)	(818)	(6,579)
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	\$3.380	
26	Internal Usage where may not add up exact due to counding	(19)	(32)	(44)	(63)	(59)	(48)	1,158	2,036	1,548	411	458	93	5,439

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Schedule 3.0

# SaskEnergy Incorporated Gas Cost Variance Account (\$000's) November 1, 2022 - October 31, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Nov-22 Forecast	Dec-22 Forecast	Jan-23 Forecast	Feb-23 Forecast	Mar-23 Forecast	Apr-23 Forecast	May-23 Forecast	Jun-23 Forecast	Jul-23 Forecast	Aug-23 Forecast	Sep-23 Forecast	Oct-23 Forecast	TOTAL
1	GCVA Balance Forward at October 31, 2022	\$27,383												\$27,383
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$27,383	\$21,943	\$16,788	\$11,784	\$7,100	\$1,447	(\$499)	(\$1,448)	(\$2,233)	(\$2,667)	(\$3,096)	(\$3,915)	
3	Purchases - Alberta	\$13,314	\$13,758	\$13,831	\$12,493	\$13,831	\$9,446	\$9,761	\$9,446	\$9,761	\$9,761	\$9,446	\$9,761	\$134,608
4	Purchases - Saskatchewan	\$5,588	\$5,774	\$5,774	\$5,215	\$5,774	\$3,938	\$4,069	\$3,938	\$4,069	\$4,069	\$3,938	\$4,069	\$56,211
5	Less Purchase of Other Gas Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Price Risk Management (Inflows)/Outflows	(\$7,985)	(\$8,252)	(\$8,252)	(\$7,453)	(\$8,252)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$40,193)
7	Transportation	\$2,434	\$2,515	\$2,515	\$2,272	\$2,515	\$2,434	\$2,515	\$2,434	\$2,515	\$2,515	\$2,434	\$2,515	\$29,616
8	Cost of Purchase Gas	\$13,350	\$13,795	\$13,869	\$12,526	\$13,869	\$15,818	\$16,345	\$15,818	\$16,345	\$16,345	\$15,818	\$16,345	\$180,242
9	Storage Withdrawal (Injection)	\$8,372	\$18,642	\$21,525	\$16,275	\$7,995	(\$2,677)	(\$9,472)	(\$9,985)	(\$12,723)	(\$12,750)	(\$9,662)	(\$2,508)	\$13,032
10	Gas in Storage Interest Expense	\$49	\$49	\$49	\$49	\$49	\$49	\$49	\$49	\$49	\$49	\$49	\$49	\$584
11	Gas Supply Operating Maintenance & Admin Expenses	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$1,600
12	Gas Supply Related Bad Debt Expense	\$150	\$208	\$223	\$184	\$151	\$83	\$42	\$36	\$23	\$23	\$39	\$88	\$1,250
13	Less Gas Supply Related Late Payment Charges	(\$44)	(\$57)	(\$84)	(\$109)	(\$110)	(\$100)	(\$85)	(\$68)	(\$55)	(\$46)	(\$41)	(\$40)	(\$839)
14	Less Cost of Internal Usage	(\$220)	(\$312)	(\$401)	(\$377)	(\$420)	(\$313)	(\$291)	(\$181)	(\$111)	(\$51)	(\$117)	(\$124)	(\$2,919)
15	Cost of Gas Sold	\$21,791	\$32,458	\$35,313	\$28,682	\$21,666	\$12,992	\$6,722	\$5,802	\$3,662	\$3,703	\$6,218	\$13,942	\$192,951
16	Commodity Sales Revenue (\$3.20/GJ)	\$27,242	\$37,622	\$40,326	\$33,372	\$27,321	\$14,939	\$7,670	\$6,585	\$4,094	\$4,129	\$7,034	\$15,967	\$226,299
17	Gain (loss) on other gas sales	0	0	0	0	0	0	0	0	0	0	0	0	\$0
18	Period GCVA Balance	(\$5,451)	(\$5,164)	(\$5,013)	(\$4,690)	(\$5,655)	(\$1,946)	(\$948)	(\$783)	(\$432)	(\$426)	(\$816)	(\$2,024)	(\$33,348)
19	Period GCVA Interest	\$11	\$9	\$9	\$5	\$3	\$0	(\$1)	(\$2)	(\$2)	(\$3)	(\$3)	(\$5)	\$21
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$21,943	\$16,788	\$11,784	\$7,100	\$1,447	(\$499)	(\$1,448)	(\$2,233)	(\$2,667)	(\$3,096)	(\$3,915)	(\$5,944)	(\$5,944)

				Vo	olume (Giga	joules - 000s	;)							
Line	Description	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23 Forecast	Oct-23 Forecast	TOTAL
21	Customer Sales	6,486	8,958	9,601	7,946	6,505	3,557	1,826	1,568	975	983	1,675	3,802	53,947
22	Purchases (less Fuel Gas & Line Loss)	4,646	4,801	4,812	4,346	4,812	4,385	4,531	4,385	4,531	4,531	4,385	4,531	54,694
23	Cost of Purchase Gas (\$/GJ)	\$2.873	\$2.873	\$2.882	\$2.882	\$2.882	\$3.608	\$3.608	\$3.608	\$3.608	\$3.608	\$3.608	\$3.608	
24	Storage Withdrawal (Injection)	1,905	4,243	4,899	3,704	1,819	(609)	(2,156)	(2,272)	(2,895)	(2,902)	(2,199)	(571)	2,966
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	\$4.394	
26	Internal Usage	(65)	(86)	(109)	(104)	(126)	(219)	(549)	(544)	(661)	(646)	(511)	(158)	(3,779)

b) Please provide the actual heat value for the last two years and provide the estimated impact of the actual heat value [compared to heat value in rates] to the GCVA balance.

The past two years actual heat values used are as follows:

2020-21: 39.63 MJ/m<sup>3</sup>

2021-22: 39.44 MJ/m<sup>3</sup>

The estimated impact of the actual heat value to the GCVA balance is \$10.5 million (owing to SaskEnergy from customers) for the past two years.

c) Please provide details regarding how the Cost of Internal Usage is calculated on both an actual and forecast basis including an explanation for how internal usage volumes can be negative.

The Cost of Internal Usage is derived by multiplying the SEI Internal Usage by the Cost of Gas Sold (COGS) with the Internal Usage volume.

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The SEI Internal Usage is derived from the load forecast and is based on previous year's actuals. The COGS with Internal Usage is derived by taking the total COGS with Internal Usage and dividing by the volume.

The negative number is based on a formula which takes the customer sales and subtracts the purchases and storage withdrawals to determine the internal usage. During low consumption months, this number can therefore be negative.

d) Please provide the interest rate used to calculate the interest on the GCVA for each month in Schedule 3.0.

The interest rates used are as follows:

November 2021: 0.19% May 2022: 1.01%

December 2021: 0.15% June 2022: 1.01%

January 20222: 0.17% July 2022: 0.36%

February 2022: 0.24% August 2022: 0.36%

March 2022: 0.50% September 2022: 0.36%

April 2022: 0.51% October 2022: 0.53%

e) Please provide the impact on the commodity rate increase if the GCVA balance was cleared over a two- year period; and the impact if the GCVA balance was cleared over a three-year period.

If the GCVA balance was cleared over a two-year period, the commodity rate required is \$3.74/GJ.

If the GCVA balance was cleared over a three-year period, the commodity rate required is \$3.62/GJ.

f) Please provide a version of Schedule 3.0 that assumes the GCVA balance is cleared over a two-year period; and a version of Schedule 3.0 that assumes the GCVA balance is cleared over a three-year period.

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## Two Year Period: November 1, 2022 - October 31, 2024

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## SaskEnergy Incorporated Gas Cost Variance Account (\$000's) November 1, 2022 - October 31, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Nov-22 Forecast	Dec-22 Forecast	Jan-23 Forecast	Feb-23 Forecast	Mar-23 Forecast	Apr-23 Forecast	May-23 Forecast	Jun-23 Forecast	Jul-23 Forecast	Aug-23 Forecast	Sep-23 Forecast	Oct-23 Forecast	TOTAL
1	GCVA Balance Forward at October 31, 2022	\$34,312												\$34,312
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$34,312	\$31,860	\$30,707	\$29,983	\$28,870	\$26,248	\$25,771	\$25,574	\$25,432	\$25,397	\$25,369	\$25,239	
3	Purchases - Alberta	\$14,576	\$15,062	\$15,148	\$13,683	\$15,148	\$9,455	\$9,771	\$9,455	\$9,771	\$9,771	\$9,455	\$9,770	\$141,065
4	Purchases - Saskatchewan	\$6,494	\$6,710	\$6,710	\$6,061	\$6,710	\$3,733	\$3,857	\$3,733	\$3,857	\$3,857	\$3,733	\$3,857	\$59,311
5	Less Purchase of Other Gas Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Price Risk Management (Inflows)/Outflows	(\$10,015)	(\$10,349)	(\$10,349)	(\$9,347)	(\$10,349)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$50,408)
7	Transportation	\$2,436	\$2,517	\$2,517	\$2,274	\$2,517	\$2,436	\$2,517	\$2,436	\$2,517	\$2,517	\$2,436	\$2,517	\$29,638
8	Cost of Purchase Gas	\$13,491	\$13,941	\$14,027	\$12,670	\$14,027	\$15,624	\$16,145	\$15,624	\$16,145	\$16,145	\$15,624	\$16,145	\$179,606
9	Storage Withdrawal (Injection)	\$8,265	\$18,404	\$21,250	\$16,067	\$7,893	(\$2,644)	(\$9,356)	(\$9,863)	(\$12,567)	(\$12,594)	(\$9,544)	(\$2,477)	\$12,833
10	Gas in Storage Interest Expense	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$195
11	Gas Supply Operating Maintenance & Admin Expenses	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$1,600
12	Gas Supply Related Bad Debt Expense	\$150	\$208	\$223	\$184	\$151	\$83	\$42	\$36	\$23	\$23	\$39	\$88	\$1,250
13	Less Gas Supply Related Late Payment Charges	(\$44)	(\$57)	(\$84)	(\$109)	(\$110)	(\$100)	(\$85)	(\$68)	(\$55)	(\$46)	(\$41)	(\$40)	(\$839)
14	Less Cost of Internal Usage	(\$220)	(\$311)	(\$400)	(\$376)	(\$421)	(\$309)	(\$286)	(\$178)	(\$108)	(\$50)	(\$115)	(\$122)	(\$2,896)
15	Cost of Gas Sold	\$21,792	\$32,334	\$35,165	\$28,586	\$21,689	\$12,803	\$6,610	\$5,701	\$3,587	\$3,628	\$6,113	\$13,742	\$191,751
16	Commodity Sales Revenue (\$3.20/GJ)	\$24,258	\$33,502	\$35,909	\$29,717	\$24,329	\$13,303	\$6,830	\$5,864	\$3,645	\$3,677	\$6,264	\$14,218	\$201,514
17	Gain (loss) on other gas sales	0	0	0	0	0	0	0	0	0	0	0	0	\$0
18	Period GCVA Balance	(\$2,466)	(\$1,167)	(\$744)	(\$1,131)	(\$2,640)	(\$499)	(\$220)	(\$162)	(\$58)	(\$49)	(\$151)	(\$476)	(\$9,763)
19	Period GCVA Interest	\$14	\$14	\$20	\$18	\$18	\$22	\$22	\$21	\$22	\$22	\$21	\$22	\$236
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$31,860	\$30,707	\$29,983	\$28,870	\$26,248	\$25,771	\$25,574	\$25,432	\$25,397	\$25,369	\$25,239	\$24,785	\$24,785

				Ve	olume (Giga	joules - 000s	<b>;</b> )							
Line	Description	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23 Forecast	Oct-23 Forecast	TOTAL
21	Customer Sales	6,486	8,958	9,601	7,946	6,505	3,557	1,826	1,568	975	983	1,675	3,802	53,947
22	Purchases (less Fuel Gas & Line Loss)	4,646	4,801	4,812	4,346	4,812	4,385	4,531	4,385	4,531	4,531	4,385	4,531	54,694
23	Cost of Purchase Gas (\$/GJ)	\$2.904	\$2.904	\$2.915	\$2.915	\$2.915	\$3.563	\$3.563	\$3.563	\$3.563	\$3.563	\$3.563	\$3.563	
24	Storage Withdrawal (Injection)	1,905	4,243	4,899	3,704	1,819	(610)	(2,157)	(2,274)	(2,897)	(2,903)	(2,200)	(571)	2,958
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	
26	Internal Usage	(65)	(86)	(109)	(104)	(126)	(218)	(548)	(543)	(659)	(645)	(510)	(158)	(3,772)

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## SaskEnergy Incorporated Gas Cost Variance Account (\$000's) November 1, 2023 - October 31, 2024

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Nov-23 Forecast	Dec-23 Forecast	Jan-24 Forecast	Feb-24 Forecast	Mar-24 Forecast	Apr-24 Forecast	May-24 Forecast	Jun-24 Forecast	Jul-24 Forecast	Aug-24 Forecast	Sep-24 Forecast	Oct-24 Forecast	TOTAL
1	GCVA Balance Forward at October 31, 2023	\$24,785												\$24,785
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$24,785	\$20,644	\$16,015	\$11,278	\$6,997	\$2,723	\$1,894	\$1,523	\$1,230	\$1,099	\$972	\$665	
3	Purchases - Alberta	\$11,367	\$11,745	\$11,745	\$10,988	\$11,745	\$9,476	\$9,791	\$9,476	\$9,791	\$9,791	\$9,476	\$9,791	\$125,183
4	Purchases - Saskatchewan	\$4,128	\$4,266	\$4,266	\$3,991	\$4,266	\$3,226	\$3,333	\$3,226	\$3,333	\$3,333	\$3,226	\$3,333	\$43,927
5	Less Purchase of Other Gas Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Price Risk Management (Inflows)/Outflows	(\$4,787)	(\$4,946)	(\$4,946)	(\$4,627)	(\$4,946)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$24,253)
7	Transportation	\$2,436	\$2,517	\$2,517	\$2,355	\$2,517	\$2,436	\$2,517	\$2,436	\$2,517	\$2,517	\$2,436	\$2,517	\$29,719
8	Cost of Purchase Gas	\$13,144	\$13,582	\$13,582	\$12,706	\$13,582	\$15,137	\$15,642	\$15,137	\$15,642	\$15,642	\$15,137	\$15,642	\$174,576
9	Storage Withdrawal (Injection)	\$6,880	\$15,226	\$17,607	\$12,777	\$6,615	(\$2,564)	(\$9,065)	(\$9,557)	(\$12,176)	(\$12,202)	(\$9,248)	(\$2,403)	\$1,891
10	Gas in Storage Interest Expense	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$312
11	Gas Supply Operating Maintenance & Admin Expenses	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$1,555
12	Gas Supply Related Bad Debt Expense	\$104	\$143	\$153	\$127	\$104	\$57	\$29	\$25	\$16	\$16	\$27	\$61	\$860
13	Less Gas Supply Related Late Payment Charges	(\$23)	(\$29)	(\$43)	(\$56)	(\$56)	(\$51)	(\$43)	(\$35)	(\$28)	(\$24)	(\$21)	(\$21)	(\$430)
14	Less Cost of Internal Usage	(\$202)	(\$277)	(\$354)	(\$334)	(\$389)	(\$300)	(\$280)	(\$174)	(\$106)	(\$49)	(\$112)	(\$119)	(\$2,697)
15	Cost of Gas Sold	\$20,058	\$28,801	\$31,101	\$25,376	\$20,012	\$12,434	\$6,438	\$5,552	\$3,503	\$3,539	\$5,939	\$13,315	\$176,068
16	Commodity Sales Revenue (\$3.20/GJ)	\$24,218	\$33,446	\$35,849	\$29,664	\$24,289	\$13,265	\$6,810	\$5,846	\$3,635	\$3,666	\$6,246	\$14,177	\$201,114
17	Gain (loss) on other gas sales	0	0	0	0	0	0	0	0	0	0	0	0	\$0
18	Period GCVA Balance	(\$4,160)	(\$4,645)	(\$4,748)	(\$4,289)	(\$4,277)	(\$831)	(\$372)	(\$294)	(\$132)	(\$128)	(\$307)	(\$862)	(\$25,046)
19	Period GCVA Interest	\$19	\$16	\$12	\$7	\$4	\$2	\$1	\$1	\$1	\$1	\$0	(\$0)	\$63
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$20,644	\$16,015	\$11,278	\$6,997	\$2,723	\$1,894	\$1,523	\$1,230	\$1,099	\$972	\$665	(\$197)	(\$197)

				Vo	olume (Giga	joules - 000s	:)							
Line	Description	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24 Forecast	Oct-24 Forecast	TOTAL
21	Customer Sales	6,475	8,943	9,585	7,932	6,494	3,547	1,821	1,563	972	980	1,670	3,791	53,840
22	Purchases (less Fuel Gas & Line Loss)	4,617	4,771	4,771	4,463	4,771	4,373	4,519	4,373	4,519	4,519	4,373	4,519	54,587
23	Cost of Purchase Gas (\$/GJ)	\$2.847	\$2.847	\$2.847	\$2.847	\$2.847	\$3.461	\$3.461	\$3.461	\$3.461	\$3.461	\$3.461	\$3.461	
24	Storage Withdrawal (Injection)	1,924	4,258	4,924	3,573	1,850	(717)	(2,535)	(2,673)	(3,405)	(3,412)	(2,586)	(672)	529
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	
26	Internal Usage	(65)	(86)	(109)	(104)	(126)	(109)	(163)	(137)	(142)	(126)	(117)	(56)	(1,342)

Note: Numbers may not add up exact due to rounding.

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# Three Year Impact: November 1, 2022 – October 2025

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## SaskEnergy Incorporated Gas Cost Variance Account (\$000's) November 1, 2022 - October 31, 2023

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Nov-22 Forecast	Dec-22 Forecast	Jan-23 Forecast	Feb-23 Forecast	Mar-23 Forecast	Apr-23 Forecast	May-23 Forecast	Jun-23 Forecast	Jul-23 Forecast	Aug-23 Forecast	Sep-23 Forecast	Oct-23 Forecast	TOTAL
1	GCVA Balance Forward at October 31, 2022	\$34,312												\$34,312
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$34,312	\$32,639	\$32,561	\$32,991	\$32,833	\$30,995	\$30,949	\$30,975	\$31,027	\$31,113	\$31,209	\$31,285	
3	Purchases - Alberta	\$14,576	\$15,062	\$15,148	\$13,683	\$15,148	\$9,455	\$9,771	\$9,455	\$9,771	\$9,771	\$9,455	\$9,770	\$141,065
4	Purchases - Saskatchewan	\$6,494	\$6,710	\$6,710	\$6,061	\$6,710	\$3,733	\$3,857	\$3,733	\$3,857	\$3,857	\$3,733	\$3,857	\$59,311
5	Less Purchase of Other Gas Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Price Risk Management (Inflows)/Outflows	(\$10,015)	(\$10,349)	(\$10,349)	(\$9,347)	(\$10,349)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$50,408)
7	Transportation	\$2,436	\$2,517	\$2,517	\$2,274	\$2,517	\$2,436	\$2,517	\$2,436	\$2,517	\$2,517	\$2,436	\$2,517	\$29,638
8	Cost of Purchase Gas	\$13,491	\$13,941	\$14,027	\$12,670	\$14,027	\$15,624	\$16,145	\$15,624	\$16,145	\$16,145	\$15,624	\$16,145	\$179,606
9	Storage Withdrawal (Injection)	\$8,265	\$18,404	\$21,250	\$16,067	\$7,893	(\$2,644)	(\$9,356)	(\$9,863)	(\$12,567)	(\$12,594)	(\$9,544)	(\$2,477)	\$12,833
10	Gas in Storage Interest Expense	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$16	\$195
11	Gas Supply Operating Maintenance & Admin Expenses	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$133	\$1,600
12	Gas Supply Related Bad Debt Expense	\$150	\$208	\$223	\$184	\$151	\$83	\$42	\$36	\$23	\$23	\$39	\$88	\$1,250
13	Less Gas Supply Related Late Payment Charges	(\$44)	(\$57)	(\$84)	(\$109)	(\$110)	(\$100)	(\$85)	(\$68)	(\$55)	(\$46)	(\$41)	(\$40)	(\$839)
14	Less Cost of Internal Usage	(\$220)	(\$311)	(\$400)	(\$376)	(\$421)	(\$309)	(\$286)	(\$178)	(\$108)	(\$50)	(\$115)	(\$122)	(\$2,896)
15	Cost of Gas Sold	\$21,792	\$32,334	\$35,165	\$28,586	\$21,689	\$12,803	\$6,610	\$5,701	\$3,587	\$3,628	\$6,113	\$13,742	\$191,751
16	Commodity Sales Revenue (\$3.20/GJ)	\$23,480	\$32,427	\$34,757	\$28,763	\$23,548	\$12,876	\$6,610	\$5,675	\$3,528	\$3,559	\$6,063	\$13,762	\$195,048
17	Gain (loss) on other gas sales	0	0	0	0	0	0	0	0	0	0	0	0	\$0
18	Period GCVA Balance	(\$1,688)	(\$92)	\$409	(\$177)	(\$1,859)	(\$72)	(\$1)	\$26	\$59	\$69	\$50	(\$20)	(\$3,298)
19	Period GCVA Interest	\$15	\$15	\$22	\$20	\$21	\$26	\$27	\$26	\$27	\$27	\$26	\$27	\$277
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$32,639	\$32,561	\$32,991	\$32,833	\$30,995	\$30,949	\$30,975	\$31,027	\$31,113	\$31,209	\$31,285	\$31,292	\$31,292

				Ve	olume (Giga	joules - 000s	<b>;</b> )							
Line	Description	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23 Forecast	Oct-23 Forecast	TOTAL
21	Customer Sales	6,486	8,958	9,601	7,946	6,505	3,557	1,826	1,568	975	983	1,675	3,802	53,947
22	Purchases (less Fuel Gas & Line Loss)	4,646	4,801	4,812	4,346	4,812	4,385	4,531	4,385	4,531	4,531	4,385	4,531	54,694
23	Cost of Purchase Gas (\$/GJ)	\$2.904	\$2.904	\$2.915	\$2.915	\$2.915	\$3.563	\$3.563	\$3.563	\$3.563	\$3.563	\$3.563	\$3.563	
24	Storage Withdrawal (Injection)	1,905	4,243	4,899	3,704	1,819	(610)	(2,157)	(2,274)	(2,897)	(2,903)	(2,200)	(571)	2,958
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	\$4.338	
26	Internal Usage	(65)	(86)	(109)	(104)	(126)	(218)	(548)	(543)	(659)	(645)	(510)	(158)	(3,772)

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#### SaskEnergy Incorporated Gas Cost Variance Account (\$000's) November 1, 2023 - October 31, 2024

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Nov-23 Forecast	Dec-23 Forecast	Jan-24 Forecast	Feb-24 Forecast	Mar-24 Forecast	Apr-24 Forecast	May-24 Forecast	Jun-24 Forecast	Jul-24 Forecast	Aug-24 Forecast	Sep-24 Forecast	Oct-24 Forecast	TOTAL
1	GCVA Balance Forward at October 31, 2023	\$31,292												\$31,292
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$31,292	\$27,934	\$24,385	\$20,806	\$17,484	\$14,000	\$13,606	\$13,464	\$13,368	\$13,364	\$13,366	\$13,270	
3	Purchases - Alberta	\$11,367	\$11,745	\$11,745	\$10,988	\$11,745	\$9,476	\$9,791	\$9,476	\$9,791	\$9,791	\$9,476	\$9,791	\$125,183
4	Purchases - Saskatchewan	\$4,128	\$4,266	\$4,266	\$3,991	\$4,266	\$3,226	\$3,333	\$3,226	\$3,333	\$3,333	\$3,226	\$3,333	\$43,927
5	Less Purchase of Other Gas Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Price Risk Management (Inflows)/Outflows	(\$4,787)	(\$4,946)	(\$4,946)	(\$4,627)	(\$4,946)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$24,253)
7	Transportation	\$2,436	\$2,517	\$2,517	\$2,355	\$2,517	\$2,436	\$2,517	\$2,436	\$2,517	\$2,517	\$2,436	\$2,517	\$29,719
8	Cost of Purchase Gas	\$13,144	\$13,582	\$13,582	\$12,706	\$13,582	\$15,137	\$15,642	\$15,137	\$15,642	\$15,642	\$15,137	\$15,642	\$174,576
9	Storage Withdrawal (Injection)	\$6,880	\$15,226	\$17,607	\$12,777	\$6,615	(\$2,564)	(\$9,065)	(\$9,557)	(\$12,176)	(\$12,202)	(\$9,248)	(\$2,403)	\$1,891
10	Gas in Storage Interest Expense	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$26	\$312
11	Gas Supply Operating Maintenance & Admin Expenses	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$1,555
12	Gas Supply Related Bad Debt Expense	\$104	\$143	\$153	\$127	\$104	\$57	\$29	\$25	\$16	\$16	\$27	\$61	\$860
13	Less Gas Supply Related Late Payment Charges	(\$23)	(\$29)	(\$43)	(\$56)	(\$56)	(\$51)	(\$43)	(\$35)	(\$28)	(\$24)	(\$21)	(\$21)	(\$430)
14	Less Cost of Internal Usage	(\$202)	(\$277)	(\$354)	(\$334)	(\$389)	(\$300)	(\$280)	(\$174)	(\$106)	(\$49)	(\$112)	(\$119)	(\$2,697)
15	Cost of Gas Sold	\$20,058	\$28,801	\$31,101	\$25,376	\$20,012	\$12,434	\$6,438	\$5,552	\$3,503	\$3,539	\$5,939	\$13,315	\$176,068
16	Commodity Sales Revenue (\$3.20/GJ)	\$23,441	\$32,373	\$34,699	\$28,713	\$23,510	\$12,840	\$6,592	\$5,659	\$3,518	\$3,549	\$6,046	\$13,722	\$194,661
17	Gain (loss) on other gas sales	0	0	0	0	0	0	0	0	0	0	0	0	\$0
18	Period GCVA Balance	(\$3,383)	(\$3,572)	(\$3,598)	(\$3,337)	(\$3,498)	(\$405)	(\$153)	(\$107)	(\$15)	(\$10)	(\$107)	(\$408)	(\$18,593)
19	Period GCVA Interest	\$25	\$23	\$19	\$15	\$13	\$11	\$11	\$11	\$11	\$11	\$11	\$11	\$174
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$27,934	\$24,385	\$20,806	\$17,484	\$14,000	\$13,606	\$13,464	\$13,368	\$13,364	\$13,366	\$13,270	\$12,873	\$12,873

				Ve	olume (Giga	joules - 000s	i)							
Line	Description	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24 Forecast	Oct-24 Forecast	TOTAL
21	Customer Sales	6,475	8,943	9,585	7,932	6,494	3,547	1,821	1,563	972	980	1,670	3,791	53,840
22	Purchases (less Fuel Gas & Line Loss)	4,617	4,771	4,771	4,463	4,771	4,373	4,519	4,373	4,519	4,519	4,373	4,519	54,587
23	Cost of Purchase Gas (\$/GJ)	\$2.847	\$2.847	\$2.847	\$2.847	\$2.847	\$3.461	\$3.461	\$3.461	\$3.461	\$3.461	\$3.461	\$3.461	i
24	Storage Withdrawal (Injection)	1,924	4,258	4,924	3,573	1,850	(717)	(2,535)	(2,673)	(3,405)	(3,412)	(2,586)	(672)	529
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	\$3.576	i
26	Internal Usage	(65)	(86)	(109)	(104)	(126)	(109)	(163)	(137)	(142)	(126)	(117)	(56)	(1,342)

Note: Numbers may not add up exact due to rounding.

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#### SaskEnergy Incorporated Gas Cost Variance Account (\$000's) November 1, 2024 - October 31, 2025

		1	2	3	4	5	6	7	8	9	10	11	12	13
Line	Description	Nov-24 Forecast	Dec-24 Forecast	Jan-25 Forecast	Feb-25 Forecast	Mar-25 Forecast	Apr-25 Forecast	May-25 Forecast	Jun-25 Forecast	Jul-25 Forecast	Aug-25 Forecast	Sep-25 Forecast	Oct-25 Forecast	TOTAL
1	GCVA Balance Forward at October 31, 2024	\$12,873												\$12,873
2	Opening Cumulative GCVA Balance - Under/(Over) Recovery	\$12,873	\$10,678	\$8,080	\$5,377	\$3,035	\$749	\$453	\$356	\$298	\$313	\$334	\$279	
3	Purchases - Alberta	\$9,981	\$10,314	\$10,314	\$9,316	\$10,314	\$9,632	\$9,951	\$9,630	\$9,951	\$9,951	\$9,630	\$9,951	\$118,934
4	Purchases - Saskatchewan	\$3,555	\$3,674	\$3,674	\$3,318	\$3,674	\$3,195	\$3,302	\$3,195	\$3,302	\$3,302	\$3,195	\$3,302	\$40,685
5	Less Purchase of Other Gas Sales	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
6	Price Risk Management (Inflows)/Outflows	(\$1,453)	(\$1,501)	(\$1,501)	(\$1,356)	(\$1,501)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	(\$7,313)
7	Transportation	\$2,436	\$2,517	\$2,517	\$2,274	\$2,517	\$2,436	\$2,517	\$2,436	\$2,517	\$2,517	\$2,436	\$2,517	\$29,638
8	Cost of Purchase Gas	\$14,519	\$15,003	\$15,003	\$13,551	\$15,003	\$15,263	\$15,770	\$15,261	\$15,770	\$15,770	\$15,261	\$15,770	\$181,944
9	Storage Withdrawal (Injection)	\$6,598	\$14,658	\$16,957	\$12,833	\$6,343	(\$2,634)	(\$9,157)	(\$9,651)	(\$12,278)	(\$12,305)	(\$9,340)	(\$2,479)	(\$454)
10	Gas in Storage Interest Expense	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$28	\$333
11	Gas Supply Operating Maintenance & Admin Expenses	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$130	\$1,555
12	Gas Supply Related Bad Debt Expense	\$103	\$143	\$153	\$126	\$104	\$57	\$29	\$25	\$16	\$16	\$27	\$60	\$858
13	Less Gas Supply Related Late Payment Charges	(\$23)	(\$29)	(\$43)	(\$56)	(\$56)	(\$51)	(\$43)	(\$35)	(\$28)	(\$24)	(\$21)	(\$21)	(\$429)
14	Less Cost of Internal Usage	(\$214)	(\$286)	(\$364)	(\$347)	(\$333)	(\$303)	(\$282)	(\$176)	(\$107)	(\$49)	(\$113)	(\$120)	(\$2,694)
15	Cost of Gas Sold	\$21,141	\$29,646	\$31,863	\$26,266	\$21,218	\$12,488	\$6,474	\$5,582	\$3,530	\$3,565	\$5,971	\$13,368	\$181,113
16	Commodity Sales Revenue (\$3.20/GJ)	\$23,349	\$32,254	\$34,573	\$28,611	\$23,505	\$12,785	\$6,572	\$5,641	\$3,514	\$3,544	\$6,027	\$13,660	\$194,035
17	Gain (loss) on other gas sales	0	0	0	0	0	0	0	0	0	0	0	0	\$0
18	Period GCVA Balance	(\$2,207)	(\$2,608)	(\$2,710)	(\$2,346)	(\$2,287)	(\$297)	(\$97)	(\$58)	\$15	\$21	(\$55)	(\$292)	(\$12,922)
19	Period GCVA Interest	\$12	\$10	\$7	\$4	\$2	\$0	\$0	\$0	\$0	\$0	\$0	(\$0)	\$36
20	Closing Cumulative GCVA Balance (Line 2+18+19)	\$10,678	\$8,080	\$5,377	\$3,035	\$749	\$453	\$356	\$298	\$313	\$334	\$279	(\$13)	(\$13)

Volume (Gigajoules - 000s)														
Line	Description	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25 Forecast	Oct-25 Forecast	TOTAL
21	Customer Sales	6,450	8,910	9,551	7,904	6,493	3,532	1,815	1,558	971	979	1,665	3,774	53,667
22	Purchases (less Fuel Gas & Line Loss)	4,610	4,764	4,764	4,303	4,764	4,372	4,517	4,372	4,517	4,517	4,372	4,517	54,390
23	Cost of Purchase Gas (\$/GJ)	\$3.149	\$3.149	\$3.149	\$3.149	\$3.149	\$3.491	\$3.491	\$3.491	\$3.491	\$3.491	\$3.491	\$3.491	
24	Storage Withdrawal (Injection)	1,905	4,232	4,896	3,705	1,831	(761)	(2,644)	(2,786)	(3,545)	(3,553)	(2,697)	(716)	(131)
25	Storage Withdrawal (Injection) Rate (\$/GJ)	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	\$3.463	
26	Internal Usage	(65)	(86)	(109)	(104)	(102)	(80)	(58)	(27)	(2)	14	(10)	(28)	(658)

Note: Numbers may not add up exact due to rounding.

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