



South Dakota Farm Tap Proposal Estimated PGA Impacts

August 10, 2017

Tariff Package – Option One

(\$600,000 PGA Line Replacement Cost)



	Farm Tap Rate Impact		PGA Rate Impact	Estimated Annual Cost For Typical PGA Customers			
	Monthly Charge	Non-Gas (\$/Therm)	Estimated \$/Therm	Residential	Commercial	Industrial	All South Dakota
2018	\$6.00	\$0.21005	\$0.00175	\$1.24	\$7.88	\$87.56	\$1.98
2019	\$6.40	\$0.22551	\$0.00168	\$1.19	\$7.60	\$85.28	\$1.90
2020	\$6.80	\$0.24210	\$0.00160	\$1.14	\$7.30	\$82.38	\$1.82
2021	\$7.20	\$0.25991	\$0.00153	\$1.09	\$6.99	\$79.44	\$1.75
2022	\$7.60	\$0.27904	\$0.00145	\$1.04	\$6.68	\$76.24	\$1.67
2023	\$8.00	\$0.29957	\$0.00137	\$0.99	\$6.36	\$73.97	\$1.58
2024	\$8.40	\$0.32161	\$0.00129	\$0.94	\$6.02	\$70.47	\$1.50
2025	\$8.80	\$0.34528	\$0.00121	\$0.88	\$5.68	\$66.70	\$1.41
2026	\$9.20	\$0.37069	\$0.00113	\$0.82	\$5.32	\$63.75	\$1.32
2027	\$9.60	\$0.39796	\$0.00105	\$0.77	\$4.95	\$59.53	\$1.23
2028	\$10.00	\$0.42725	\$0.00000	\$0.00	\$0.00	\$0.00	\$0.00

7.36%	Annual Increase in Non-Gas Commodity Charge for Farm Tap Customers
\$0.40	Annual Increase in Monthly Charge for Farm Tap Customers
\$1,000	Total Initial Inspection Costs Per Customer (assuming all customers require inspection of all items)
\$200	Customer Transition Charge
\$600,000	MidAmerican Contribution Toward Line Replacement (assuming all customer lines need to be replaced)
\$3,333	Average MidAmerican Contribution per Farm Tap Customer

Tariff Package – Option Two

(\$1,200,000 PGA Line Replacement Cost)



	Farm Tap Rate Impact		PGA Rate Impact	Estimated Annual Cost For Typical PGA Customers			
	Monthly Charge	Non-Gas (\$/Therm)	Estimated \$/Therm	Residential	Commercial	Industrial	All South Dakota
2018	\$6.00	\$0.21005	\$0.00266	\$1.88	\$11.94	\$132.69	\$3.00
2019	\$6.40	\$0.22551	\$0.00256	\$1.82	\$11.62	\$130.45	\$2.91
2020	\$6.80	\$0.24210	\$0.00247	\$1.77	\$11.29	\$127.34	\$2.82
2021	\$7.20	\$0.25991	\$0.00239	\$1.71	\$10.93	\$124.24	\$2.73
2022	\$7.60	\$0.27904	\$0.00229	\$1.65	\$10.59	\$120.81	\$2.64
2023	\$8.00	\$0.29957	\$0.00220	\$1.59	\$10.23	\$118.96	\$2.55
2024	\$8.40	\$0.32161	\$0.00211	\$1.53	\$9.85	\$115.26	\$2.45
2025	\$8.80	\$0.34528	\$0.00202	\$1.47	\$9.47	\$111.24	\$2.35
2026	\$9.20	\$0.37069	\$0.00193	\$1.41	\$9.07	\$108.74	\$2.26
2027	\$9.60	\$0.39796	\$0.00183	\$1.34	\$8.67	\$104.25	\$2.15
2028	\$10.00	\$0.42725	\$0.00000	\$0.00	\$0.00	\$0.00	\$0.00

7.36%	Annual Increase in Non-Gas Commodity Charge for Farm Tap Customers
\$0.40	Annual Increase in Monthly Charge for Farm Tap Customers
\$1,000	Total Initial Inspection Costs Per Customer (assuming all customers require inspection of all items)
\$200	Customer Transition Charge
\$1,200,000	MidAmerican Contribution Toward Line Replacement (assuming all customer lines need to be replaced)
\$6,667	Average MidAmerican Contribution per Farm Tap Customer

Tariff Package – Option Two

(\$1,500,000 PGA Line Replacement Cost)



	Farm Tap Rate Impact		PGA Rate Impact	Estimated Annual Cost For Typical PGA Customers			
	Monthly Charge	Non-Gas (\$/Therm)	Estimated \$/Therm	Residential	Commercial	Industrial	All South Dakota
2018	\$6.00	\$0.21005	\$0.00311	\$2.20	\$13.97	\$155.25	\$3.50
2019	\$6.40	\$0.22551	\$0.00301	\$2.14	\$13.63	\$153.03	\$3.41
2020	\$6.80	\$0.24210	\$0.00291	\$2.08	\$13.28	\$149.81	\$3.32
2021	\$7.20	\$0.25991	\$0.00282	\$2.02	\$12.90	\$146.63	\$3.22
2022	\$7.60	\$0.27904	\$0.00272	\$1.96	\$12.54	\$143.09	\$3.13
2023	\$8.00	\$0.29957	\$0.00262	\$1.89	\$12.17	\$141.46	\$3.03
2024	\$8.40	\$0.32161	\$0.00252	\$1.83	\$11.76	\$137.66	\$2.93
2025	\$8.80	\$0.34528	\$0.00242	\$1.76	\$11.37	\$133.52	\$2.83
2026	\$9.20	\$0.37069	\$0.00233	\$1.70	\$10.95	\$131.23	\$2.72
2027	\$9.60	\$0.39796	\$0.00223	\$1.63	\$10.53	\$126.61	\$2.62
2028	\$10.00	\$0.42725	\$0.00000	\$0.00	\$0.00	\$0.00	\$0.00

7.36%	Annual Increase in Non-Gas Commodity Charge for Farm Tap Customers
\$0.40	Annual Increase in Monthly Charge for Farm Tap Customers
\$1,000	Total Initial Inspection Costs Per Customer (assuming all customers require inspection of all items)
\$200	Customer Transition Charge
\$1,500,000	MidAmerican Contribution Toward Line Replacement (assuming all customer lines need to be replaced)
\$8,333	Average MidAmerican Contribution per Farm Tap Customer

Tariff Package – Option Two

(\$2,700,000 PGA Line Replacement Cost)



	Farm Tap Rate Impact		PGA Rate Impact	Estimated Annual Cost For Typical PGA Customers			
	Monthly Charge	Non-Gas (\$/Therm)	Estimated \$/Therm	Residential	Commercial	Industrial	All South Dakota
2018	\$6.00	\$0.21005	\$0.00492	\$3.49	\$22.09	\$245.49	\$5.54
2019	\$6.40	\$0.22551	\$0.00479	\$3.40	\$21.68	\$243.37	\$5.42
2020	\$6.80	\$0.24210	\$0.00466	\$3.33	\$21.25	\$239.73	\$5.31
2021	\$7.20	\$0.25991	\$0.00454	\$3.25	\$20.79	\$236.22	\$5.19
2022	\$7.60	\$0.27904	\$0.00441	\$3.17	\$20.35	\$232.22	\$5.07
2023	\$8.00	\$0.29957	\$0.00429	\$3.09	\$19.91	\$231.45	\$4.95
2024	\$8.40	\$0.32161	\$0.00417	\$3.02	\$19.42	\$227.25	\$4.83
2025	\$8.80	\$0.34528	\$0.00404	\$2.94	\$18.95	\$222.60	\$4.71
2026	\$9.20	\$0.37069	\$0.00392	\$2.86	\$18.45	\$221.20	\$4.59
2027	\$9.60	\$0.39796	\$0.00380	\$2.78	\$17.97	\$216.04	\$4.47
2028	\$10.00	\$0.42725	\$0.00000	\$0.00	\$0.00	\$0.00	\$0.00

7.36%	Annual Increase in Non-Gas Commodity Charge for Farm Tap Customers
\$0.40	Annual Increase in Monthly Charge for Farm Tap Customers
\$1,000	Total Initial Inspection Costs Per Customer (assuming all customers require inspection of all items)
\$200	Customer Transition Charge
\$2,700,000	MidAmerican Contribution Toward Line Replacement (assuming all customer lines need to be replaced)
\$15,000	Average MidAmerican Contribution per Farm Tap Customer

Tariff Package – Option Three

(\$0 PGA Line Replacement Cost)



	Farm Tap Rate Impact		PGA Rate Impact	Estimated Annual Cost For Typical PGA Customers			
	Monthly Charge	Non-Gas (\$/Therm)	Estimated \$/Therm	Residential	Commercial	Industrial	All South Dakota
2018	\$6.00	\$0.21005	\$0.00085	\$0.60	\$3.82	\$42.44	\$0.96
2019	\$6.40	\$0.22551	\$0.00079	\$0.56	\$3.57	\$40.11	\$0.89
2020	\$6.80	\$0.24210	\$0.00073	\$0.52	\$3.32	\$37.43	\$0.83
2021	\$7.20	\$0.25991	\$0.00067	\$0.48	\$3.05	\$34.65	\$0.76
2022	\$7.60	\$0.27904	\$0.00060	\$0.43	\$2.78	\$31.67	\$0.69
2023	\$8.00	\$0.29957	\$0.00054	\$0.39	\$2.49	\$28.98	\$0.62
2024	\$8.40	\$0.32161	\$0.00047	\$0.34	\$2.19	\$25.67	\$0.55
2025	\$8.80	\$0.34528	\$0.00040	\$0.29	\$1.89	\$22.16	\$0.47
2026	\$9.20	\$0.37069	\$0.00033	\$0.24	\$1.56	\$18.76	\$0.39
2027	\$9.60	\$0.39796	\$0.00026	\$0.19	\$1.23	\$14.82	\$0.31
2028	\$10.00	\$0.42725	\$0.00000	\$0.00	\$0.00	\$0.00	\$0.00

7.36%	Annual Increase in Non-Gas Commodity Charge for Farm Tap Customers
\$0.40	Annual Increase in Monthly Charge for Farm Tap Customers

\$1,000	Total Initial Inspection Costs Per Customer (assuming all customers require inspection of all items)
\$200	Customer Transition Charge

\$0	MidAmerican Contribution Toward Line Replacement (assuming all customer lines need to be replaced)
\$0	Average MidAmerican Contribution per Farm Tap Customer



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