

**Exhibit MidAmerican 14.1.1N
LMP Reduction Due to MVP 16
With Gateway Only
MISO Illinois**

Load Weighted LMP (\$ per MWh)

Scenario	Year	With MVP 16	Without MVP 16	Difference	Percent Difference
		[A]	[B]	[A] - [B] = [C]	[C]/[B]
Business as Usual: Low Demand	2021	\$33.50	\$33.71	-\$0.21	-0.62%
	2026	\$39.79	\$40.25	-\$0.46	-1.14%
Business as Usual: High Demand	2021	\$39.15	\$39.56	-\$0.41	-1.03%
	2026	\$50.10	\$50.98	-\$0.87	-1.72%
Combined Energy Policy	2021	\$87.01	\$87.65	-\$0.64	-0.74%
	2026	\$108.46	\$108.96	-\$0.50	-0.46%
Carbon Constrained	2021	\$79.33	\$79.54	-\$0.21	-0.26%
	2026	\$91.34	\$91.72	-\$0.38	-0.42%

Note:

[1] MISO Illinois is defined as AMIL, CWLP, and SIPC.

[2] "With MVP 16" scenarios include a MVA rating upgrade on the 161 kV line from Galesburg to Oak Grove.

[3] All scenarios include Grand Prairie Gateway in service.

**Exhibit MidAmerican 14.1.2N
Payment Reduction Due to MVP 16
With Gateway Only
MISO Illinois Region**

	Discount Rate 3%				Discount Rate 8.2%			
	Reduction in Wholesale Energy (LMP) Payments (millions \$2014)	MISO Illinois Share of MVP 16 Costs (millions \$2014)	Net Reduction in Payments (millions \$2014)	Ratio	Reduction in Wholesale Energy (LMP) Payments (millions \$2014)	MISO Illinois Share of MVP 16 Costs (millions \$2014)	Net Reduction in Payments (millions \$2014)	Ratio
	[A]	[B]	[C]=[A]-[B]	[D]=[A]/[B]	[E]	[F]	[G]=[E]-[F]	[H]=[E]/[F]
Business as Usual: Low Demand	\$349.2	\$33.8	\$315.4	10.3	\$165.0	\$26.8	\$138.2	6.2
Business as Usual: High Demand	\$725.7	\$33.8	\$691.9	21.5	\$341.7	\$26.8	\$314.9	12.7
Combined Energy Policy	\$436.5	\$33.8	\$402.7	12.9	\$248.0	\$26.8	\$221.2	9.2
Carbon Constrained	\$265.8	\$33.8	\$232.0	7.9	\$128.9	\$26.8	\$102.0	4.8

Notes:

[1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).

[2] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.3N (page 1)
Payment Reduction Due to MVP 16
With Gateway Only
Business as Usual: Low Demand
MISO Illinois Region

Year	Wholesale Energy Market Payments				Reduction in Wholesale Energy Payments (PV as of 2014, \$ million)			
	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	PV (3%)	PV (8.2%)
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference				
[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]	
2018	\$1,464.9	\$1,461.6	\$3.3	0.2%	0.888	0.730	\$2.9	\$2.4
2019	\$1,547.4	\$1,541.4	\$5.9	0.4%	0.863	0.674	\$5.1	\$4.0
2020	\$1,629.8	\$1,621.2	\$8.6	0.5%	0.837	0.623	\$7.2	\$5.3
2021	\$1,712.2	\$1,701.0	\$11.2	0.7%	0.813	0.576	\$9.1	\$6.4
2022	\$1,794.6	\$1,780.8	\$13.8	0.8%	0.789	0.532	\$10.9	\$7.3
2023	\$1,877.0	\$1,860.6	\$16.4	0.9%	0.766	0.492	\$12.6	\$8.1
2024	\$1,959.4	\$1,940.4	\$19.0	1.0%	0.744	0.455	\$14.2	\$8.7
2025	\$2,041.9	\$2,020.2	\$21.7	1.1%	0.722	0.420	\$15.6	\$9.1
2026	\$2,124.3	\$2,100.0	\$24.3	1.1%	0.701	0.388	\$17.0	\$9.4
2027	\$2,206.7	\$2,179.8	\$26.9	1.2%	0.681	0.359	\$18.3	\$9.7
2028	\$2,289.1	\$2,259.6	\$29.5	1.3%	0.661	0.332	\$19.5	\$9.8
2029	\$2,371.5	\$2,339.4	\$32.1	1.4%	0.642	0.307	\$20.6	\$9.9
2030	\$2,453.9	\$2,419.2	\$34.8	1.4%	0.623	0.283	\$21.7	\$9.9
2031	\$2,536.4	\$2,499.0	\$37.4	1.5%	0.605	0.262	\$22.6	\$9.8
2032	\$2,618.8	\$2,578.8	\$40.0	1.5%	0.587	0.242	\$23.5	\$9.7
2033	\$2,701.2	\$2,658.6	\$42.6	1.6%	0.570	0.224	\$24.3	\$9.5
2034	\$2,783.6	\$2,738.4	\$45.2	1.6%	0.554	0.207	\$25.1	\$9.4
2035	\$2,866.0	\$2,818.2	\$47.9	1.7%	0.538	0.191	\$25.7	\$9.1
2036	\$2,948.4	\$2,898.0	\$50.5	1.7%	0.522	0.177	\$26.3	\$8.9
2037	\$3,030.9	\$2,977.7	\$53.1	1.8%	0.507	0.163	\$26.9	\$8.7
Total Payment Reduction (millions \$2014):							\$349.2	\$165.0

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.3N (page 2)
Payment Reduction Due to MVP 16
With Gateway Only
Business as Usual: High Demand
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$1,648.8	\$1,642.8	\$6.0	0.4%	0.888	0.730	\$5.3	\$4.4
2019	\$1,811.9	\$1,800.3	\$11.5	0.6%	0.863	0.674	\$10.0	\$7.8
2020	\$1,975.0	\$1,957.9	\$17.1	0.9%	0.837	0.623	\$14.3	\$10.7
2021	\$2,138.0	\$2,115.4	\$22.6	1.1%	0.813	0.576	\$18.4	\$13.0
2022	\$2,301.1	\$2,272.9	\$28.2	1.2%	0.789	0.532	\$22.3	\$15.0
2023	\$2,464.2	\$2,430.4	\$33.7	1.4%	0.766	0.492	\$25.9	\$16.6
2024	\$2,627.3	\$2,588.0	\$39.3	1.5%	0.744	0.455	\$29.2	\$17.9
2025	\$2,790.3	\$2,745.5	\$44.8	1.6%	0.722	0.420	\$32.4	\$18.8
2026	\$2,953.4	\$2,903.0	\$50.4	1.7%	0.701	0.388	\$35.3	\$19.6
2027	\$3,116.5	\$3,060.5	\$55.9	1.8%	0.681	0.359	\$38.1	\$20.1
2028	\$3,279.5	\$3,218.0	\$61.5	1.9%	0.661	0.332	\$40.7	\$20.4
2029	\$3,442.6	\$3,375.6	\$67.0	1.9%	0.642	0.307	\$43.0	\$20.6
2030	\$3,605.7	\$3,533.1	\$72.6	2.0%	0.623	0.283	\$45.2	\$20.6
2031	\$3,768.8	\$3,690.6	\$78.1	2.1%	0.605	0.262	\$47.3	\$20.5
2032	\$3,931.8	\$3,848.1	\$83.7	2.1%	0.587	0.242	\$49.2	\$20.3
2033	\$4,094.9	\$4,005.7	\$89.2	2.2%	0.570	0.224	\$50.9	\$20.0
2034	\$4,258.0	\$4,163.2	\$94.8	2.2%	0.554	0.207	\$52.5	\$19.6
2035	\$4,421.1	\$4,320.7	\$100.3	2.3%	0.538	0.191	\$53.9	\$19.2
2036	\$4,584.1	\$4,478.2	\$105.9	2.3%	0.522	0.177	\$55.3	\$18.7
2037	\$4,747.2	\$4,635.7	\$111.4	2.3%	0.507	0.163	\$56.5	\$18.2
Total Payment Reduction (millions \$2014):							\$725.7	\$341.7

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.3N (page 3)
Payment Reduction Due to MVP 16
With Gateway Only
Combined Energy Policy Scenario
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$3,707.7	\$3,673.4	\$34.3	0.9%	0.888	0.730	\$30.5	\$25.1
2019	\$3,952.1	\$3,918.0	\$34.1	0.9%	0.863	0.674	\$29.4	\$23.0
2020	\$4,196.4	\$4,162.6	\$33.8	0.8%	0.837	0.623	\$28.3	\$21.1
2021	\$4,440.8	\$4,407.2	\$33.5	0.8%	0.813	0.576	\$27.3	\$19.3
2022	\$4,685.1	\$4,651.9	\$33.3	0.7%	0.789	0.532	\$26.3	\$17.7
2023	\$4,929.5	\$4,896.5	\$33.0	0.7%	0.766	0.492	\$25.3	\$16.2
2024	\$5,173.8	\$5,141.1	\$32.7	0.6%	0.744	0.455	\$24.4	\$14.9
2025	\$5,418.2	\$5,385.7	\$32.5	0.6%	0.722	0.420	\$23.5	\$13.6
2026	\$5,662.5	\$5,630.3	\$32.2	0.6%	0.701	0.388	\$22.6	\$12.5
2027	\$5,906.9	\$5,875.0	\$31.9	0.5%	0.681	0.359	\$21.7	\$11.5
2028	\$6,151.3	\$6,119.6	\$31.7	0.5%	0.661	0.332	\$20.9	\$10.5
2029	\$6,395.6	\$6,364.2	\$31.4	0.5%	0.642	0.307	\$20.2	\$9.6
2030	\$6,640.0	\$6,608.8	\$31.1	0.5%	0.623	0.283	\$19.4	\$8.8
2031	\$6,884.3	\$6,853.5	\$30.9	0.4%	0.605	0.262	\$18.7	\$8.1
2032	\$7,128.7	\$7,098.1	\$30.6	0.4%	0.587	0.242	\$18.0	\$7.4
2033	\$7,373.0	\$7,342.7	\$30.3	0.4%	0.570	0.224	\$17.3	\$6.8
2034	\$7,617.4	\$7,587.3	\$30.1	0.4%	0.554	0.207	\$16.6	\$6.2
2035	\$7,861.7	\$7,831.9	\$29.8	0.4%	0.538	0.191	\$16.0	\$5.7
2036	\$8,106.1	\$8,076.6	\$29.5	0.4%	0.522	0.177	\$15.4	\$5.2
2037	\$8,350.4	\$8,321.2	\$29.3	0.4%	0.507	0.163	\$14.8	\$4.8
Total Payment Reduction (millions \$2014):							\$436.5	\$248.0

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.3N (page 4)
Payment Reduction Due to MVP 16
With Gateway Only
Carbon Constrained Scenario
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$3,458.6	\$3,453.7	\$4.9	0.1%	0.888	0.730	\$4.3	\$3.6
2019	\$3,572.3	\$3,565.7	\$6.6	0.2%	0.863	0.674	\$5.7	\$4.4
2020	\$3,686.1	\$3,677.7	\$8.3	0.2%	0.837	0.623	\$7.0	\$5.2
2021	\$3,799.8	\$3,789.8	\$10.0	0.3%	0.813	0.576	\$8.2	\$5.8
2022	\$3,913.5	\$3,901.8	\$11.8	0.3%	0.789	0.532	\$9.3	\$6.3
2023	\$4,027.3	\$4,013.8	\$13.5	0.3%	0.766	0.492	\$10.3	\$6.6
2024	\$4,141.0	\$4,125.8	\$15.2	0.4%	0.744	0.455	\$11.3	\$6.9
2025	\$4,254.8	\$4,237.9	\$16.9	0.4%	0.722	0.420	\$12.2	\$7.1
2026	\$4,368.5	\$4,349.9	\$18.6	0.4%	0.701	0.388	\$13.1	\$7.2
2027	\$4,482.3	\$4,461.9	\$20.3	0.5%	0.681	0.359	\$13.9	\$7.3
2028	\$4,596.0	\$4,573.9	\$22.1	0.5%	0.661	0.332	\$14.6	\$7.3
2029	\$4,709.7	\$4,686.0	\$23.8	0.5%	0.642	0.307	\$15.3	\$7.3
2030	\$4,823.5	\$4,798.0	\$25.5	0.5%	0.623	0.283	\$15.9	\$7.2
2031	\$4,937.2	\$4,910.0	\$27.2	0.6%	0.605	0.262	\$16.5	\$7.1
2032	\$5,051.0	\$5,022.0	\$28.9	0.6%	0.587	0.242	\$17.0	\$7.0
2033	\$5,164.7	\$5,134.1	\$30.7	0.6%	0.570	0.224	\$17.5	\$6.9
2034	\$5,278.5	\$5,246.1	\$32.4	0.6%	0.554	0.207	\$17.9	\$6.7
2035	\$5,392.2	\$5,358.1	\$34.1	0.6%	0.538	0.191	\$18.3	\$6.5
2036	\$5,505.9	\$5,470.1	\$35.8	0.7%	0.522	0.177	\$18.7	\$6.3
2037	\$5,619.7	\$5,582.2	\$37.5	0.7%	0.507	0.163	\$19.0	\$6.1
Total Payment Reduction (millions \$2014):							\$265.8	\$128.9

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.4N (page 1)
Increased Supply to MISO Illinois Region Due to MVP16
With Gateway Only
Business as Usual: Low Demand

	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
<u>Economic Capacity</u>	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	12,312	12,312	0	0.0%	12,314	12,314	0	0.0%
Summer Peak	11,280	11,280	0	0.0%	11,308	11,308	0	0.0%
Off-Peak	4,377	4,377	0	0.0%	7,427	7,427	0	0.0%
Imports								
Summer Extreme Peak	3,585	3,777	192	5.4%	3,696	3,909	213	5.8%
Summer Peak	3,585	3,777	192	5.4%	3,696	3,909	213	5.8%
Off-Peak	3,585	3,777	192	5.4%	3,696	3,909	213	5.8%
Total								
Summer Extreme Peak	15,897	16,089	192	1.2%	16,010	16,222	213	1.3%
Summer Peak	14,866	15,058	192	1.3%	15,004	15,216	213	1.4%
Off-Peak	7,962	8,154	192	2.4%	11,123	11,336	213	1.9%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.4N (page 2)
Increased Supply to MISO Illinois Region Due to MVP16
With Gateway Only
Business as Usual: High Demand

	2021				2026			
	Without MVP16 (MW)	With MVP16 (MW)	Difference (MW)	% Difference	Without MVP16 (MW)	With MVP16 (MW)	Difference (MW)	% Difference
	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Economic Capacity								
Internal MISO Illinois								
Summer Extreme Peak	13,184	13,184	0	0.0%	14,595	14,595	0	0.0%
Summer Peak	11,350	11,350	0	0.0%	11,808	11,808	0	0.0%
Off-Peak	6,596	6,596	0	0.0%	8,911	8,911	0	0.0%
Imports								
Summer Extreme Peak	3,562	3,767	205	5.7%	3,652	3,829	177	4.9%
Summer Peak	3,562	3,767	205	5.7%	3,652	3,829	177	4.9%
Off-Peak	3,562	3,767	205	5.7%	3,652	3,829	177	4.9%
Total								
Summer Extreme Peak	16,746	16,951	205	1.2%	18,247	18,424	177	1.0%
Summer Peak	14,912	15,117	205	1.4%	15,459	15,636	177	1.1%
Off-Peak	10,158	10,362	205	2.0%	12,563	12,740	177	1.4%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.4N (page 3)
Increased Supply to MISO Illinois Region Due to MVP16
With Gateway Only
Combined Energy Policy Scenario

	2021				2026			
	Without MVP16 (MW)	With MVP16 (MW)	Difference (MW)	% Difference	Without MVP16 (MW)	With MVP16 (MW)	Difference (MW)	% Difference
	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Economic Capacity								
Internal MISO Illinois								
Summer Extreme Peak	13,474	13,474	0	0.0%	14,915	14,915	0	0.0%
Summer Peak	11,640	11,640	0	0.0%	12,127	12,127	0	0.0%
Off-Peak	6,886	6,886	0	0.0%	9,231	9,231	0	0.0%
Imports								
Summer Extreme Peak	3,409	3,583	173	5.1%	3,562	3,712	150	4.2%
Summer Peak	3,409	3,583	173	5.1%	3,562	3,712	150	4.2%
Off-Peak	3,409	3,583	173	5.1%	3,562	3,712	150	4.2%
Total								
Summer Extreme Peak	16,883	17,056	173	1.0%	18,477	18,626	150	0.8%
Summer Peak	15,049	15,223	173	1.2%	15,689	15,839	150	1.0%
Off-Peak	10,295	10,468	173	1.7%	12,793	12,942	150	1.2%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway in service.

Exhibit MidAmerican 14.1.4N (page 4)
Increased Supply to MISO Illinois Region Due to MVP16
With Gateway Only
Carbon Constrained Scenario

Economic Capacity	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	13,102	13,102	0	0.0%	14,510	14,510	0	0.0%
Summer Peak	11,268	11,268	0	0.0%	11,722	11,722	0	0.0%
Off-Peak	6,514	6,514	0	0.0%	8,826	8,826	0	0.0%
Imports								
Summer Extreme Peak	3,542	3,644	102	2.9%	3,675	3,785	110	3.0%
Summer Peak	3,542	3,644	102	2.9%	3,675	3,785	110	3.0%
Off-Peak	3,542	3,644	102	2.9%	3,675	3,785	110	3.0%
Total								
Summer Extreme Peak	16,644	16,746	102	0.6%	18,185	18,295	110	0.6%
Summer Peak	14,810	14,912	102	0.7%	15,398	15,507	110	0.7%
Off-Peak	10,056	10,158	102	1.0%	12,501	12,611	110	0.9%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway in service.

**Exhibit MidAmerican 14.2.1N
LMP Reduction Due to MVP 16
With Rock Island (700 MW) and Gateway
MISO Illinois**

Load Weighted LMP (\$ per MWh)

Scenario	Year	With MVP 16 [A]	Without MVP 16 [B]	Difference [A] - [B] = [C]	Percent Difference [C]/[B]
Business as Usual: Low Demand	2021	\$33.41	\$33.56	-\$0.15	-0.45%
	2026	\$39.67	\$39.90	-\$0.24	-0.59%
Business as Usual: High Demand	2021	\$39.09	\$39.54	-\$0.45	-1.14%
	2026	\$49.78	\$50.64	-\$0.86	-1.70%
Combined Energy Policy	2021	\$86.60	\$86.96	-\$0.35	-0.41%
	2026	\$108.24	\$108.03	\$0.22	0.20%
Carbon Constrained	2021	\$78.95	\$79.14	-\$0.19	-0.24%
	2026	\$90.81	\$91.38	-\$0.58	-0.63%

Note:

[1] MISO Illinois is defined as AMIL, CWLP, and SIPC.

[2] "With MVP 16" scenarios include a MVA rating upgrade on the 161 kV line from Galesburg to Oak Grove.

[3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

**Exhibit MidAmerican 14.2.2N
Payment Reduction Due to MVP 16
With Rock Island (700 MW) and Gateway
MISO Illinois Region**

	Discount Rate 3%				Discount Rate 8.2%			
	Reduction in Wholesale Energy (LMP) Payments (millions \$2014)	MISO Illinois Share of MVP 16 Costs (millions \$2014)	Net Reduction in Payments (millions \$2014)	Ratio	Reduction in Wholesale Energy (LMP) Payments (millions \$2014)	MISO Illinois Share of MVP 16 Costs (millions \$2014)	Net Reduction in Payments (millions \$2014)	Ratio
	[A]	[B]	[C]=[A]-[B]	[D]=[A]/[B]	[E]	[F]	[G]=[E]-[F]	[H]=[E]/[F]
Business as Usual: Low Demand	\$185.4	\$33.8	\$151.6	5.5	\$92.7	\$26.8	\$65.9	3.5
Business as Usual: High Demand	\$707.7	\$33.8	\$673.9	20.9	\$339.9	\$26.8	\$313.1	12.7
Combined Energy Policy	-\$136.4	\$33.8	-\$170.2	NA	-\$15.0	\$26.8	-\$41.8	NA
Carbon Constrained	\$408.1	\$33.8	\$374.3	12.1	\$185.1	\$26.8	\$158.2	6.9

Notes:

[1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).

[2] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.3N (page 1)
Payment Reduction Due to MVP 16
With Rock Island (700 MW) and Gateway
Business as Usual: Low Demand
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$1,463.8	\$1,458.3	\$5.5	0.4%	0.888	0.730	\$4.8	\$4.0
2019	\$1,544.1	\$1,537.7	\$6.4	0.4%	0.863	0.674	\$5.5	\$4.3
2020	\$1,624.4	\$1,617.0	\$7.4	0.5%	0.837	0.623	\$6.2	\$4.6
2021	\$1,704.7	\$1,696.4	\$8.3	0.5%	0.813	0.576	\$6.8	\$4.8
2022	\$1,785.0	\$1,775.7	\$9.3	0.5%	0.789	0.532	\$7.3	\$4.9
2023	\$1,865.3	\$1,855.1	\$10.2	0.5%	0.766	0.492	\$7.8	\$5.0
2024	\$1,945.7	\$1,934.5	\$11.2	0.6%	0.744	0.455	\$8.3	\$5.1
2025	\$2,026.0	\$2,013.8	\$12.2	0.6%	0.722	0.420	\$8.8	\$5.1
2026	\$2,106.3	\$2,093.2	\$13.1	0.6%	0.701	0.388	\$9.2	\$5.1
2027	\$2,186.6	\$2,172.5	\$14.1	0.6%	0.681	0.359	\$9.6	\$5.1
2028	\$2,266.9	\$2,251.9	\$15.0	0.7%	0.661	0.332	\$9.9	\$5.0
2029	\$2,347.2	\$2,331.2	\$16.0	0.7%	0.642	0.307	\$10.3	\$4.9
2030	\$2,427.5	\$2,410.6	\$17.0	0.7%	0.623	0.283	\$10.6	\$4.8
2031	\$2,507.8	\$2,489.9	\$17.9	0.7%	0.605	0.262	\$10.8	\$4.7
2032	\$2,588.1	\$2,569.3	\$18.9	0.7%	0.587	0.242	\$11.1	\$4.6
2033	\$2,668.5	\$2,648.6	\$19.8	0.7%	0.570	0.224	\$11.3	\$4.4
2034	\$2,748.8	\$2,728.0	\$20.8	0.8%	0.554	0.207	\$11.5	\$4.3
2035	\$2,829.1	\$2,807.3	\$21.7	0.8%	0.538	0.191	\$11.7	\$4.2
2036	\$2,909.4	\$2,886.7	\$22.7	0.8%	0.522	0.177	\$11.8	\$4.0
2037	\$2,989.7	\$2,966.0	\$23.7	0.8%	0.507	0.163	\$12.0	\$3.9
Total Payment Reduction (millions \$2014):							\$185.4	\$92.7

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
[2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
[3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.3N (page 2)
Payment Reduction Due to MVP 16
With Rock Island (700 MW) and Gateway
Business as Usual: High Demand
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$1,658.2	\$1,647.5	\$10.6	0.6%	0.888	0.730	\$9.5	\$7.8
2019	\$1,817.6	\$1,802.1	\$15.5	0.9%	0.863	0.674	\$13.4	\$10.4
2020	\$1,977.0	\$1,956.7	\$20.3	1.0%	0.837	0.623	\$17.0	\$12.7
2021	\$2,136.4	\$2,111.2	\$25.2	1.2%	0.813	0.576	\$20.5	\$14.5
2022	\$2,295.9	\$2,265.8	\$30.0	1.3%	0.789	0.532	\$23.7	\$16.0
2023	\$2,455.3	\$2,420.4	\$34.9	1.4%	0.766	0.492	\$26.7	\$17.2
2024	\$2,614.7	\$2,575.0	\$39.7	1.5%	0.744	0.455	\$29.6	\$18.1
2025	\$2,774.1	\$2,729.5	\$44.6	1.6%	0.722	0.420	\$32.2	\$18.7
2026	\$2,933.6	\$2,884.1	\$49.4	1.7%	0.701	0.388	\$34.7	\$19.2
2027	\$3,093.0	\$3,038.7	\$54.3	1.8%	0.681	0.359	\$37.0	\$19.5
2028	\$3,252.4	\$3,193.3	\$59.1	1.8%	0.661	0.332	\$39.1	\$19.6
2029	\$3,411.8	\$3,347.8	\$64.0	1.9%	0.642	0.307	\$41.1	\$19.6
2030	\$3,571.3	\$3,502.4	\$68.8	1.9%	0.623	0.283	\$42.9	\$19.5
2031	\$3,730.7	\$3,657.0	\$73.7	2.0%	0.605	0.262	\$44.6	\$19.3
2032	\$3,890.1	\$3,811.6	\$78.5	2.0%	0.587	0.242	\$46.1	\$19.0
2033	\$4,049.5	\$3,966.1	\$83.4	2.1%	0.570	0.224	\$47.6	\$18.7
2034	\$4,208.9	\$4,120.7	\$88.2	2.1%	0.554	0.207	\$48.9	\$18.2
2035	\$4,368.4	\$4,275.3	\$93.1	2.1%	0.538	0.191	\$50.0	\$17.8
2036	\$4,527.8	\$4,429.8	\$98.0	2.2%	0.522	0.177	\$51.1	\$17.3
2037	\$4,687.2	\$4,584.4	\$102.8	2.2%	0.507	0.163	\$52.1	\$16.8
Total Payment Reduction (millions \$2014):							\$707.7	\$339.9

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.3N (page 3)
Payment Reduction Due to MVP 16
With Rock Island (700 MW) and Gateway
Combined Energy Policy Scenario
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$3,679.2	\$3,644.6	\$34.6	0.9%	0.888	0.730	\$30.7	\$25.2
2019	\$3,921.4	\$3,892.1	\$29.3	0.7%	0.863	0.674	\$25.3	\$19.8
2020	\$4,163.7	\$4,139.6	\$24.1	0.6%	0.837	0.623	\$20.2	\$15.0
2021	\$4,406.0	\$4,387.1	\$18.9	0.4%	0.813	0.576	\$15.3	\$10.9
2022	\$4,648.2	\$4,634.6	\$13.6	0.3%	0.789	0.532	\$10.8	\$7.3
2023	\$4,890.5	\$4,882.1	\$8.4	0.2%	0.766	0.492	\$6.4	\$4.1
2024	\$5,132.8	\$5,129.6	\$3.2	0.1%	0.744	0.455	\$2.4	\$1.4
2025	\$5,375.1	\$5,377.1	-\$2.1	0.0%	0.722	0.420	-\$1.5	-\$0.9
2026	\$5,617.3	\$5,624.6	-\$7.3	-0.1%	0.701	0.388	-\$5.1	-\$2.8
2027	\$5,859.6	\$5,872.1	-\$12.5	-0.2%	0.681	0.359	-\$8.5	-\$4.5
2028	\$6,101.9	\$6,119.6	-\$17.7	-0.3%	0.661	0.332	-\$11.7	-\$5.9
2029	\$6,344.1	\$6,367.1	-\$23.0	-0.4%	0.642	0.307	-\$14.7	-\$7.0
2030	\$6,586.4	\$6,614.6	-\$28.2	-0.4%	0.623	0.283	-\$17.6	-\$8.0
2031	\$6,828.7	\$6,862.1	-\$33.4	-0.5%	0.605	0.262	-\$20.2	-\$8.8
2032	\$7,070.9	\$7,109.6	-\$38.7	-0.5%	0.587	0.242	-\$22.7	-\$9.4
2033	\$7,313.2	\$7,357.1	-\$43.9	-0.6%	0.570	0.224	-\$25.0	-\$9.8
2034	\$7,555.5	\$7,604.6	-\$49.1	-0.7%	0.554	0.207	-\$27.2	-\$10.2
2035	\$7,797.8	\$7,852.1	-\$54.4	-0.7%	0.538	0.191	-\$29.2	-\$10.4
2036	\$8,040.0	\$8,099.6	-\$59.6	-0.7%	0.522	0.177	-\$31.1	-\$10.5
2037	\$8,282.3	\$8,347.1	-\$64.8	-0.8%	0.507	0.163	-\$32.8	-\$10.6
Total Payment Reduction (millions \$2014):							-\$136.4	-\$15.0

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
[2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
[3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.3N (page 4)
Payment Reduction Due to MVP 16
With Rock Island (700 MW) and Gateway
Carbon Constrained Scenario
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$3,438.1	\$3,439.9	-\$1.8	-0.1%	0.888	0.730	-\$1.6	-\$1.3
2019	\$3,552.5	\$3,550.6	\$1.9	0.1%	0.863	0.674	\$1.7	\$1.3
2020	\$3,666.8	\$3,661.2	\$5.7	0.2%	0.837	0.623	\$4.7	\$3.5
2021	\$3,781.2	\$3,771.8	\$9.4	0.2%	0.813	0.576	\$7.6	\$5.4
2022	\$3,895.5	\$3,882.4	\$13.1	0.3%	0.789	0.532	\$10.4	\$7.0
2023	\$4,009.9	\$3,993.0	\$16.8	0.4%	0.766	0.492	\$12.9	\$8.3
2024	\$4,124.2	\$4,103.6	\$20.6	0.5%	0.744	0.455	\$15.3	\$9.4
2025	\$4,238.6	\$4,214.3	\$24.3	0.6%	0.722	0.420	\$17.6	\$10.2
2026	\$4,352.9	\$4,324.9	\$28.0	0.6%	0.701	0.388	\$19.7	\$10.9
2027	\$4,467.2	\$4,435.5	\$31.8	0.7%	0.681	0.359	\$21.6	\$11.4
2028	\$4,581.6	\$4,546.1	\$35.5	0.8%	0.661	0.332	\$23.5	\$11.8
2029	\$4,695.9	\$4,656.7	\$39.2	0.8%	0.642	0.307	\$25.2	\$12.0
2030	\$4,810.3	\$4,767.3	\$42.9	0.9%	0.623	0.283	\$26.8	\$12.2
2031	\$4,924.6	\$4,878.0	\$46.7	0.9%	0.605	0.262	\$28.2	\$12.2
2032	\$5,039.0	\$4,988.6	\$50.4	1.0%	0.587	0.242	\$29.6	\$12.2
2033	\$5,153.3	\$5,099.2	\$54.1	1.0%	0.570	0.224	\$30.9	\$12.1
2034	\$5,267.7	\$5,209.8	\$57.8	1.1%	0.554	0.207	\$32.0	\$12.0
2035	\$5,382.0	\$5,320.4	\$61.6	1.1%	0.538	0.191	\$33.1	\$11.8
2036	\$5,496.3	\$5,431.1	\$65.3	1.2%	0.522	0.177	\$34.1	\$11.5
2037	\$5,610.7	\$5,541.7	\$69.0	1.2%	0.507	0.163	\$35.0	\$11.3
Total Payment Reduction (millions \$2014):							\$408.1	\$185.1

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.4N (page 1)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (700 MW) and Gateway
Business as Usual: Low Demand

	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
<u>Economic Capacity</u>	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	12,273	12,273	0	0.0%	12,557	12,557	0	0.0%
Summer Peak	11,281	11,281	0	0.0%	11,287	11,287	0	0.0%
Off-Peak	4,307	4,307	0	0.0%	6,874	6,874	0	0.0%
Imports								
Summer Extreme Peak	3,587	3,761	174	4.9%	3,705	3,897	192	5.2%
Summer Peak	3,587	3,761	174	4.9%	3,705	3,897	192	5.2%
Off-Peak	3,587	3,761	174	4.9%	3,705	3,897	192	5.2%
Total								
Summer Extreme Peak	15,860	16,034	174	1.1%	16,262	16,454	192	1.2%
Summer Peak	14,868	15,042	174	1.2%	14,992	15,184	192	1.3%
Off-Peak	7,894	8,068	174	2.2%	10,580	10,772	192	1.8%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.4N (page 2)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (700 MW) and Gateway
Business as Usual: High Demand

	2021				2026			
	Without MVP16 (MW)	With MVP16 (MW)	Difference (MW)	% Difference	Without MVP16 (MW)	With MVP16 (MW)	Difference (MW)	% Difference
	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Economic Capacity								
Internal MISO Illinois								
Summer Extreme Peak	13,240	13,240	0	0.0%	14,515	14,515	0	0.0%
Summer Peak	11,352	11,352	0	0.0%	11,686	11,686	0	0.0%
Off-Peak	6,526	6,526	0	0.0%	8,911	8,911	0	0.0%
Imports								
Summer Extreme Peak	3,566	3,763	197	5.5%	3,671	3,832	161	4.4%
Summer Peak	3,566	3,763	197	5.5%	3,671	3,832	161	4.4%
Off-Peak	3,566	3,763	197	5.5%	3,671	3,832	161	4.4%
Total								
Summer Extreme Peak	16,806	17,003	197	1.2%	18,186	18,347	161	0.9%
Summer Peak	14,918	15,115	197	1.3%	15,357	15,517	161	1.0%
Off-Peak	10,092	10,289	197	2.0%	12,582	12,743	161	1.3%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.4N (page 3)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (700 MW) and Gateway
Combined Energy Policy Scenario

	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
<u>Economic Capacity</u>	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	13,530	13,530	0	0.0%	14,835	14,835	0	0.0%
Summer Peak	11,642	11,642	0	0.0%	12,005	12,005	0	0.0%
Off-Peak	6,816	6,816	0	0.0%	9,231	9,231	0	0.0%
Imports								
Summer Extreme Peak	3,434	3,593	159	4.6%	3,584	3,727	143	4.0%
Summer Peak	3,434	3,593	159	4.6%	3,584	3,727	143	4.0%
Off-Peak	3,434	3,593	159	4.6%	3,584	3,727	143	4.0%
Total								
Summer Extreme Peak	16,963	17,122	159	0.9%	18,419	18,561	143	0.8%
Summer Peak	15,075	15,234	159	1.1%	15,589	15,732	143	0.9%
Off-Peak	10,249	10,408	159	1.6%	12,815	12,957	143	1.1%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

Exhibit MidAmerican 14.2.4N (page 4)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (700 MW) and Gateway
Carbon Constrained Scenario

	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
<u>Economic Capacity</u>	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	13,158	13,158	0	0.0%	14,430	14,430	0	0.0%
Summer Peak	11,270	11,270	0	0.0%	11,600	11,600	0	0.0%
Off-Peak	6,444	6,444	0	0.0%	8,826	8,826	0	0.0%
Imports								
Summer Extreme Peak	3,592	3,683	91	2.5%	3,717	3,822	105	2.8%
Summer Peak	3,592	3,683	91	2.5%	3,717	3,822	105	2.8%
Off-Peak	3,592	3,683	91	2.5%	3,717	3,822	105	2.8%
Total								
Summer Extreme Peak	16,750	16,841	91	0.5%	18,147	18,252	105	0.6%
Summer Peak	14,862	14,953	91	0.6%	15,318	15,422	105	0.7%
Off-Peak	10,036	10,127	91	0.9%	12,543	12,648	105	0.8%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 700 MW deliverable) in service.

**Exhibit MidAmerican 14.3.1N
LMP Reduction Due to MVP 16
With Rock Island (3,500 MW) and Gateway
MISO Illinois**

Load Weighted LMP (\$ per MWh)

Scenario	Year	With MVP 16 [A]	Without MVP 16 [B]	Difference [A] - [B] = [C]	Percent Difference [C]/[B]
Business as Usual: Low Demand	2021	\$32.90	\$33.11	-\$0.21	-0.63%
	2026	\$39.18	\$39.38	-\$0.20	-0.51%
Business as Usual: High Demand	2021	\$38.38	\$38.86	-\$0.48	-1.23%
	2026	\$49.08	\$50.01	-\$0.93	-1.86%
Combined Energy Policy	2021	\$84.99	\$85.81	-\$0.82	-0.96%
	2026	\$105.60	\$106.53	-\$0.93	-0.88%
Carbon Constrained	2021	\$77.48	\$77.58	-\$0.10	-0.13%
	2026	\$89.22	\$89.79	-\$0.58	-0.64%

Note:

[1] MISO Illinois is defined as AMIL, CWLP, and SIPC.

[2] "With MVP 16" scenarios include a MVA rating upgrade on the 161 kV line from Galesburg to Oak Grove.

[3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

**Exhibit MidAmerican 14.3.2N
Payment Reduction Due to MVP 16
With Rock Island (3,500 MW) and Gateway
MISO Illinois Region**

	Discount Rate 3%				Discount Rate 8.2%			
	Reduction in Wholesale Energy (LMP) Payments (millions \$2014)	MISO Illinois Share of MVP 16 Costs (millions \$2014)	Net Reduction in Payments (millions \$2014)	Ratio	Reduction in Wholesale Energy (LMP) Payments (millions \$2014)	MISO Illinois Share of MVP 16 Costs (millions \$2014)	Net Reduction in Payments (millions \$2014)	Ratio
	[A]	[B]	[C]=[A]-[B]	[D]=[A]/[B]	[E]	[F]	[G]=[E]-[F]	[H]=[E]/[F]
Business as Usual: Low Demand	\$149.3	\$33.8	\$115.5	4.4	\$83.0	\$26.8	\$56.1	3.1
Business as Usual: High Demand	\$793.8	\$33.8	\$760.0	23.5	\$376.4	\$26.8	\$349.6	14.0
Combined Energy Policy	\$701.3	\$33.8	\$667.5	20.7	\$371.0	\$26.8	\$344.2	13.8
Carbon Constrained	\$403.2	\$33.8	\$369.4	11.9	\$173.8	\$26.8	\$147.0	6.5

Notes:

[1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).

[2] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.3N (page 1)
Payment Reduction Due to MVP 16
With Rock Island (3,500 MW) and Gateway
Business as Usual: Low Demand
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$1,443.4	\$1,433.0	\$10.4	0.7%	0.888	0.730	\$9.2	\$7.6
2019	\$1,522.6	\$1,512.2	\$10.5	0.7%	0.863	0.674	\$9.0	\$7.1
2020	\$1,601.9	\$1,591.4	\$10.5	0.7%	0.837	0.623	\$8.8	\$6.6
2021	\$1,681.2	\$1,670.6	\$10.6	0.6%	0.813	0.576	\$8.6	\$6.1
2022	\$1,760.5	\$1,749.9	\$10.7	0.6%	0.789	0.532	\$8.4	\$5.7
2023	\$1,839.8	\$1,829.1	\$10.7	0.6%	0.766	0.492	\$8.2	\$5.3
2024	\$1,919.1	\$1,908.3	\$10.8	0.6%	0.744	0.455	\$8.0	\$4.9
2025	\$1,998.4	\$1,987.5	\$10.9	0.5%	0.722	0.420	\$7.8	\$4.6
2026	\$2,077.7	\$2,066.8	\$10.9	0.5%	0.701	0.388	\$7.7	\$4.2
2027	\$2,157.0	\$2,146.0	\$11.0	0.5%	0.681	0.359	\$7.5	\$3.9
2028	\$2,236.3	\$2,225.2	\$11.1	0.5%	0.661	0.332	\$7.3	\$3.7
2029	\$2,315.6	\$2,304.4	\$11.1	0.5%	0.642	0.307	\$7.1	\$3.4
2030	\$2,394.9	\$2,383.7	\$11.2	0.5%	0.623	0.283	\$7.0	\$3.2
2031	\$2,474.2	\$2,462.9	\$11.3	0.5%	0.605	0.262	\$6.8	\$3.0
2032	\$2,553.4	\$2,542.1	\$11.3	0.4%	0.587	0.242	\$6.7	\$2.7
2033	\$2,632.7	\$2,621.3	\$11.4	0.4%	0.570	0.224	\$6.5	\$2.6
2034	\$2,712.0	\$2,700.6	\$11.5	0.4%	0.554	0.207	\$6.4	\$2.4
2035	\$2,791.3	\$2,779.8	\$11.5	0.4%	0.538	0.191	\$6.2	\$2.2
2036	\$2,870.6	\$2,859.0	\$11.6	0.4%	0.522	0.177	\$6.1	\$2.1
2037	\$2,949.9	\$2,938.2	\$11.7	0.4%	0.507	0.163	\$5.9	\$1.9
Total Payment Reduction (millions \$2014):							\$149.3	\$83.0

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
[2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
[3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.3N (page 2)
Payment Reduction Due to MVP 16
With Rock Island (3,500 MW) and Gateway
Business as Usual: High Demand
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$1,620.7	\$1,612.2	\$8.4	0.5%	0.888	0.730	\$7.5	\$6.2
2019	\$1,780.2	\$1,765.9	\$14.3	0.8%	0.863	0.674	\$12.3	\$9.6
2020	\$1,939.8	\$1,919.6	\$20.1	1.0%	0.837	0.623	\$16.9	\$12.5
2021	\$2,099.3	\$2,073.3	\$26.0	1.2%	0.813	0.576	\$21.1	\$15.0
2022	\$2,258.9	\$2,227.0	\$31.8	1.4%	0.789	0.532	\$25.1	\$16.9
2023	\$2,418.4	\$2,380.7	\$37.7	1.6%	0.766	0.492	\$28.9	\$18.5
2024	\$2,578.0	\$2,534.4	\$43.5	1.7%	0.744	0.455	\$32.4	\$19.8
2025	\$2,737.5	\$2,688.1	\$49.4	1.8%	0.722	0.420	\$35.7	\$20.8
2026	\$2,897.1	\$2,841.8	\$55.2	1.9%	0.701	0.388	\$38.7	\$21.5
2027	\$3,056.6	\$2,995.5	\$61.1	2.0%	0.681	0.359	\$41.6	\$21.9
2028	\$3,216.2	\$3,149.2	\$66.9	2.1%	0.661	0.332	\$44.3	\$22.2
2029	\$3,375.7	\$3,302.9	\$72.8	2.2%	0.642	0.307	\$46.7	\$22.3
2030	\$3,535.2	\$3,456.6	\$78.6	2.2%	0.623	0.283	\$49.0	\$22.3
2031	\$3,694.8	\$3,610.3	\$84.5	2.3%	0.605	0.262	\$51.1	\$22.1
2032	\$3,854.3	\$3,764.0	\$90.3	2.3%	0.587	0.242	\$53.1	\$21.9
2033	\$4,013.9	\$3,917.7	\$96.2	2.4%	0.570	0.224	\$54.9	\$21.5
2034	\$4,173.4	\$4,071.4	\$102.1	2.4%	0.554	0.207	\$56.5	\$21.1
2035	\$4,333.0	\$4,225.1	\$107.9	2.5%	0.538	0.191	\$58.0	\$20.6
2036	\$4,492.5	\$4,378.8	\$113.8	2.5%	0.522	0.177	\$59.4	\$20.1
2037	\$4,652.1	\$4,532.5	\$119.6	2.6%	0.507	0.163	\$60.6	\$19.5
Total Payment Reduction (millions \$2014):							\$793.8	\$376.4

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
[2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
[3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.3N (page 3)
Payment Reduction Due to MVP 16
With Rock Island (3,500 MW) and Gateway
Combined Energy Policy Scenario
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$3,631.3	\$3,596.0	\$35.3	1.0%	0.888	0.730	\$31.4	\$25.8
2019	\$3,869.8	\$3,832.5	\$37.2	1.0%	0.863	0.674	\$32.1	\$25.1
2020	\$4,108.2	\$4,069.1	\$39.1	1.0%	0.837	0.623	\$32.8	\$24.4
2021	\$4,346.7	\$4,305.6	\$41.0	0.9%	0.813	0.576	\$33.4	\$23.6
2022	\$4,585.1	\$4,542.2	\$42.9	0.9%	0.789	0.532	\$33.9	\$22.8
2023	\$4,823.5	\$4,778.7	\$44.8	0.9%	0.766	0.492	\$34.4	\$22.1
2024	\$5,062.0	\$5,015.3	\$46.7	0.9%	0.744	0.455	\$34.8	\$21.2
2025	\$5,300.4	\$5,251.8	\$48.6	0.9%	0.722	0.420	\$35.1	\$20.4
2026	\$5,538.9	\$5,488.3	\$50.5	0.9%	0.701	0.388	\$35.4	\$19.6
2027	\$5,777.3	\$5,724.9	\$52.4	0.9%	0.681	0.359	\$35.7	\$18.8
2028	\$6,015.7	\$5,961.4	\$54.3	0.9%	0.661	0.332	\$35.9	\$18.0
2029	\$6,254.2	\$6,198.0	\$56.2	0.9%	0.642	0.307	\$36.1	\$17.2
2030	\$6,492.6	\$6,434.5	\$58.1	0.9%	0.623	0.283	\$36.2	\$16.5
2031	\$6,731.1	\$6,671.1	\$60.0	0.9%	0.605	0.262	\$36.3	\$15.7
2032	\$6,969.5	\$6,907.6	\$61.9	0.9%	0.587	0.242	\$36.4	\$15.0
2033	\$7,208.0	\$7,144.2	\$63.8	0.9%	0.570	0.224	\$36.4	\$14.3
2034	\$7,446.4	\$7,380.7	\$65.7	0.9%	0.554	0.207	\$36.4	\$13.6
2035	\$7,684.8	\$7,617.2	\$67.6	0.9%	0.538	0.191	\$36.3	\$12.9
2036	\$7,923.3	\$7,853.8	\$69.5	0.9%	0.522	0.177	\$36.3	\$12.3
2037	\$8,161.7	\$8,090.3	\$71.4	0.9%	0.507	0.163	\$36.2	\$11.7
Total Payment Reduction (millions \$2014):							\$701.3	\$371.0

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.3N (page 4)
Payment Reduction Due to MVP 16
With Rock Island (3,500 MW) and Gateway
Carbon Constrained Scenario
MISO Illinois Region

Wholesale Energy Market Payments					Reduction in Wholesale Energy Payments			
Year	Without MVP 16	With MVP 16	Reduction	Percent	PV Factor (3%)	PV Factor (8.2%)	(PV as of 2014, \$ million)	
	(millions \$2014)	(millions \$2014)	(millions \$2014)	Difference			PV (3%)	PV (8.2%)
	[A]	[B]	[C]=[A]-[B]	[D]=[C]/[A]	[E]	[F]	[G]=[C]*[E]	[H]=[C]*[F]
2018	\$3,364.1	\$3,372.4	-\$8.3	-0.2%	0.888	0.730	-\$7.4	-\$6.0
2019	\$3,478.2	\$3,482.1	-\$3.8	-0.1%	0.863	0.674	-\$3.3	-\$2.6
2020	\$3,592.4	\$3,591.8	\$0.6	0.0%	0.837	0.623	\$0.5	\$0.4
2021	\$3,706.5	\$3,701.4	\$5.1	0.1%	0.813	0.576	\$4.1	\$2.9
2022	\$3,820.6	\$3,811.1	\$9.5	0.2%	0.789	0.532	\$7.5	\$5.1
2023	\$3,934.8	\$3,920.8	\$13.9	0.4%	0.766	0.492	\$10.7	\$6.9
2024	\$4,048.9	\$4,030.5	\$18.4	0.5%	0.744	0.455	\$13.7	\$8.4
2025	\$4,163.1	\$4,140.2	\$22.8	0.5%	0.722	0.420	\$16.5	\$9.6
2026	\$4,277.2	\$4,249.9	\$27.3	0.6%	0.701	0.388	\$19.1	\$10.6
2027	\$4,391.3	\$4,359.6	\$31.7	0.7%	0.681	0.359	\$21.6	\$11.4
2028	\$4,505.5	\$4,469.3	\$36.2	0.8%	0.661	0.332	\$23.9	\$12.0
2029	\$4,619.6	\$4,579.0	\$40.6	0.9%	0.642	0.307	\$26.1	\$12.5
2030	\$4,733.7	\$4,688.7	\$45.1	1.0%	0.623	0.283	\$28.1	\$12.8
2031	\$4,847.9	\$4,798.4	\$49.5	1.0%	0.605	0.262	\$30.0	\$13.0
2032	\$4,962.0	\$4,908.0	\$54.0	1.1%	0.587	0.242	\$31.7	\$13.1
2033	\$5,076.2	\$5,017.7	\$58.4	1.2%	0.570	0.224	\$33.3	\$13.1
2034	\$5,190.3	\$5,127.4	\$62.9	1.2%	0.554	0.207	\$34.8	\$13.0
2035	\$5,304.4	\$5,237.1	\$67.3	1.3%	0.538	0.191	\$36.2	\$12.9
2036	\$5,418.6	\$5,346.8	\$71.8	1.3%	0.522	0.177	\$37.5	\$12.7
2037	\$5,532.7	\$5,456.5	\$76.2	1.4%	0.507	0.163	\$38.6	\$12.4
Total Payment Reduction (millions \$2014):							\$403.2	\$173.8

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] The wholesale energy payments for CWLP and SIPC are net of the profits of the generating units owned by CWLP and SIPC respectively.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.4N (page 1)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (3,500 MW) and Gateway
Business as Usual: Low Demand

	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
Economic Capacity	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	13,185	13,185	0	0.0%	14,460	14,460	0	0.0%
Summer Peak	11,297	11,297	0	0.0%	11,630	11,630	0	0.0%
Off-Peak	6,471	6,471	0	0.0%	8,856	8,856	0	0.0%
Imports								
Summer Extreme Peak	3,578	3,717	140	3.9%	3,728	3,876	149	4.0%
Summer Peak	3,578	3,717	140	3.9%	3,728	3,876	149	4.0%
Off-Peak	3,578	3,717	140	3.9%	3,728	3,876	149	4.0%
Total								
Summer Extreme Peak	16,763	16,903	140	0.8%	18,187	18,336	149	0.8%
Summer Peak	14,875	15,014	140	0.9%	15,358	15,506	149	1.0%
Off-Peak	10,049	10,189	140	1.4%	12,583	12,732	149	1.2%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.4N (page 2)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (3,500 MW) and Gateway
Business as Usual: High Demand

	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
<u>Economic Capacity</u>	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	13,240	13,240	0	0.0%	14,515	14,515	0	0.0%
Summer Peak	11,352	11,352	0	0.0%	11,686	11,686	0	0.0%
Off-Peak	6,526	6,526	0	0.0%	8,911	8,911	0	0.0%
Imports								
Summer Extreme Peak	3,579	3,745	167	4.7%	3,728	3,863	135	3.6%
Summer Peak	3,579	3,745	167	4.7%	3,728	3,863	135	3.6%
Off-Peak	3,579	3,745	167	4.7%	3,728	3,863	135	3.6%
Total								
Summer Extreme Peak	16,819	16,985	167	1.0%	18,243	18,378	135	0.7%
Summer Peak	14,930	15,097	167	1.1%	15,414	15,549	135	0.9%
Off-Peak	10,105	10,271	167	1.7%	12,639	12,774	135	1.1%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.4N (page 3)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (3,500 MW) and Gateway
Combined Energy Policy Scenario

	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
<u>Economic Capacity</u>	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	13,530	13,530	0	0.0%	14,835	14,835	0	0.0%
Summer Peak	11,642	11,642	0	0.0%	12,005	12,005	0	0.0%
Off-Peak	6,816	6,816	0	0.0%	9,231	9,231	0	0.0%
Imports								
Summer Extreme Peak	3,510	3,638	128	3.6%	3,665	3,792	127	3.5%
Summer Peak	3,510	3,638	128	3.6%	3,665	3,792	127	3.5%
Off-Peak	3,510	3,638	128	3.6%	3,665	3,792	127	3.5%
Total								
Summer Extreme Peak	17,040	17,168	128	0.8%	18,500	18,626	127	0.7%
Summer Peak	15,152	15,280	128	0.8%	15,670	15,797	127	0.8%
Off-Peak	10,326	10,454	128	1.2%	12,895	13,022	127	1.0%

Notes:

- [1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).
- [2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.
- [3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.

Exhibit MidAmerican 14.3.4N (page 4)
Increased Supply to MISO Illinois Region Due to MVP16
With Rock Island (3,500 MW) and Gateway
Carbon Constrained Scenario

Economic Capacity	2021				2026			
	Without MVP16	With MVP16	Difference		Without MVP16	With MVP16	Difference	
	(MW)	(MW)	(MW)	% Difference	(MW)	(MW)	(MW)	% Difference
	[A]	[B]	[C]=[B]-[A]	[D]=[C]/[A]	[E]	[F]	[G]=[F]-[E]	[H]=[G]/[E]
Internal MISO Illinois								
Summer Extreme Peak	13,158	13,158	0	0.0%	14,430	14,430	0	0.0%
Summer Peak	11,270	11,270	0	0.0%	11,600	11,600	0	0.0%
Off-Peak	6,444	6,444	0	0.0%	8,826	8,826	0	0.0%
Imports								
Summer Extreme Peak	3,798	3,857	58	1.5%	3,854	3,945	91	2.4%
Summer Peak	3,798	3,857	58	1.5%	3,854	3,945	91	2.4%
Off-Peak	3,798	3,857	58	1.5%	3,854	3,945	91	2.4%
Total								
Summer Extreme Peak	16,957	17,015	58	0.3%	18,284	18,375	91	0.5%
Summer Peak	15,068	15,127	58	0.4%	15,454	15,545	91	0.6%
Off-Peak	10,243	10,301	58	0.6%	12,680	12,771	91	0.7%

Notes:

[1] The MISO Illinois Region includes Ameren Illinois, City Water, Light & Power (CWLP) and Southern Illinois Power Cooperative (SIPC).

[2] Imports equal the average imports into MISO Illinois during the 10% highest import hours.

[3] All scenarios include Grand Prairie Gateway and Rock Island Clean Line (with 3,500 MW deliverable) in service.