

**MIDAMERICAN ENERGY COMPANY**

**Forecasted MISO Costs**

Total Company Electric Operations  
Year Ending December 31, 2021

Line No.	Billing Determinant (a)	Forecast Jan-21 (b)	Forecast Feb-21 (c)	Forecast Mar-21 (d)	Forecast Apr-21 (e)	Forecast May-21 (f)	Forecast Jun-21 (g)	Forecast Jul-21 (h)	Forecast Aug-21 (i)	Forecast Sep-21 (j)	Forecast Oct-21 (k)	Forecast Nov-21 (l)	Forecast Dec-21 (m)	Total (n)
1	Days in Month	31	28	31	30	31	30	31	31	30	31	30	31	
2	Monthly Peak Demand (MW)	4,159	4,022	3,678	3,425	4,161	4,839	5,172	4,978	4,663	3,661	3,764	3,974	
3	Schedule 10 Demand Charge Rate (\$/MW-Hr)	\$0.07960	\$0.08030	\$0.08240	\$0.09410	\$0.07310	\$0.06860	\$0.06490	\$0.05920	\$0.07030	\$0.07800	\$0.08270	\$0.07850	
4	Schedule 10 - Demand Charge Component	<u>\$246,313</u>	<u>\$217,009</u>	<u>\$225,488</u>	<u>\$232,017</u>	<u>\$226,278</u>	<u>\$239,032</u>	<u>\$249,728</u>	<u>\$219,253</u>	<u>\$236,020</u>	<u>\$212,451</u>	<u>\$224,142</u>	<u>\$232,083</u>	
5	Monthly Energy (MWHr)	2,698,600	2,379,782	2,364,449	2,311,194	2,279,887	2,325,034	2,802,066	2,742,132	2,549,906	2,450,179	2,161,728	2,561,106	
6	Schedule 10 Energy Charge Rate (\$/MW-Hr)	\$0.10530	\$0.10350	\$0.10980	\$0.12080	\$0.10700	\$0.09280	\$0.09370	\$0.08530	\$0.10880	\$0.11020	\$0.10770	\$0.10350	
7	Schedule 10 - Energy Charge Component	<u>\$284,163</u>	<u>\$246,307</u>	<u>\$259,616</u>	<u>\$279,192</u>	<u>\$243,948</u>	<u>\$215,763</u>	<u>\$262,554</u>	<u>\$233,904</u>	<u>\$277,430</u>	<u>\$270,010</u>	<u>\$232,818</u>	<u>\$265,074</u>	
8	Total Schedule 10 Charge	<u>\$530,476</u>	<u>\$463,316</u>	<u>\$485,104</u>	<u>\$511,209</u>	<u>\$470,226</u>	<u>\$454,795</u>	<u>\$512,281</u>	<u>\$453,156</u>	<u>\$513,449</u>	<u>\$482,460</u>	<u>\$456,960</u>	<u>\$497,157</u>	<u>\$5,830,592</u>

Sources

- Line 2 MidAmerican Demand Forecast
- Line 3 Projected MISO 2021 Schedule 10 Demand rate
- Line 4 = Line 1 x 24 hrs/day x Line 2 x Line 3
- Line 5 MidAmerican Energy Forecast
- Line 6 Projected MISO 2021 Schedule 10 Energy rate
- Line 7 = Line 5 x Line 6
- Line 8 = Line 4 + Line 7

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1	Days in Month	31	28	31	30	31	30	31	31	30	31	30	31	
2	Monthly Peak Demand (MW)	4,159	4,022	3,678	3,425	4,161	4,839	5,172	4,978	4,663	3,661	3,764	3,974	
3	Schedule 10 FERC Rate (\$/MW-Hr)	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	\$0.0620	
4	Schedule 10 - FERC Charge	<u>\$191,852</u>	<u>\$167,554</u>	<u>\$169,663</u>	<u>\$152,870</u>	<u>\$191,919</u>	<u>\$216,035</u>	<u>\$238,569</u>	<u>\$229,623</u>	<u>\$208,154</u>	<u>\$168,871</u>	<u>\$168,039</u>	<u>\$183,301</u>	<u>\$2,286,450</u>

Sources

- Line 2 MidAmerican Demand Forecast
- Line 3 MISO Posted Schedule 10-FERC Rate for 2021
- Line 4 = Line 1 x 24 hrs/day x Line 2 x Line 3

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Line No.	Billing Determinant (a)	Forecast Jan-21 (b)	Forecast Feb-21 (c)	Forecast Mar-21 (d)	Forecast Apr-21 (e)	Forecast May-21 (f)	Forecast Jun-21 (g)	Forecast Jul-21 (h)	Forecast Aug-21 (i)	Forecast Sep-21 (j)	Forecast Oct-21 (k)	Forecast Nov-21 (l)	Forecast Dec-21 (m)	Total (n)
1	Days in Month	31	28	31	30	31	30	31	31	30	31	30	31	
2	Monthly Peak Demand (MW)	4,159	4,022	3,678	3,425	4,161	4,839	5,172	4,978	4,663	3,661	3,764	3,974	
3	Schedule 26 FERC Rate (\$/MW-Month)	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	\$25.3972	
4	Schedule 26 - Charge	<u>\$105,630</u>	<u>\$102,136</u>	<u>\$93,413</u>	<u>\$86,973</u>	<u>\$105,667</u>	<u>\$122,910</u>	<u>\$131,351</u>	<u>\$126,426</u>	<u>\$118,426</u>	<u>\$92,977</u>	<u>\$95,603</u>	<u>\$100,922</u>	<u>\$1,282,434</u>

Sources

Line 2 MidAmerican Demand Forecast  
 Line 3 MISO Posted Sch. 26 Transmission Rate for January 2021  
 Line 4 = Line 2 x Line 3

**MIDAMERICAN ENERGY COMPANY**

**Forecasted MISO Costs**

Total Company Electric Operations  
 Year Ending December 31, 2021

Line No.	Billing Determinant (a)	Forecast Jan-21 (b)	Forecast Feb-21 (c)	Forecast Mar-21 (d)	Forecast Apr-21 (e)	Forecast May-21 (f)	Forecast Jun-21 (g)	Forecast Jul-21 (h)	Forecast Aug-21 (i)	Forecast Sep-21 (j)	Forecast Oct-21 (k)	Forecast Nov-21 (l)	Forecast Dec-21 (m)	Total (n)
1	Monthly Energy (MWhr)	2,698,600	2,379,782	2,364,449	2,311,194	2,279,887	2,325,034	2,802,066	2,742,132	2,549,906	2,450,179	2,161,728	2,561,106	29,626,063
2	Schedule 26-A MVP Usage Rate (\$/MW-Hr)	1.56	1.68	1.76	2.05	1.96	1.61	1.37	1.47	1.63	1.75	1.67	1.60	1.66
3	Schedule 26-A Charge	<u>\$4,206,476</u>	<u>\$4,008,154</u>	<u>\$4,153,040</u>	<u>\$4,738,583</u>	<u>\$4,474,886</u>	<u>\$3,734,738</u>	<u>\$3,829,872</u>	<u>\$4,044,617</u>	<u>\$4,160,378</u>	<u>\$4,288,366</u>	<u>\$3,616,078</u>	<u>\$4,090,255</u>	<u>\$49,345,443</u>

Sources

Line 1 MidAmerican Energy Forecast  
 Line 2 MEC Estimated MISO 2021 Schedule 26-A MUR rate  
 Line 3 = Line 1 x Line 2

**MIDAMERICAN ENERGY COMPANY**

**Multi-Value Project A&G Credit**  
Total Company Electric Operations  
Year Ending December 31, 2021

<u>Line No.</u>	<u>Description</u> (a)	<u>Value</u> (b)
1	Rate Template Attachment MM Annual Allocation Factor for Other Expense	\$ 4,372,386
2	MidAmerican Energy Ratio as a Percentage of Total MISO Energy	0.062824
3	Allocation of Other Expenses to MidAmerican	<u>\$ 274,690</u>

Sources

Line 1: MidAmerican's 2021 Attachment MM Rate Template

Line 2: Calculation of MidAmerican's 2021 energy forecast divided by total MISO energy

Line 3: Line 1 x Line 2

Month	2021				
January	2,698,600	31	2,421,976	(276,624)	2698600
February	2,379,782	28	2,118,473	(261,309)	2379782
March	2,364,449	31	2,168,680	(195,769)	2364449
April	2,311,194	30	1,939,227	(371,967)	2311194
May	2,279,887	31	2,304,264	24,377	2279887
June	2,325,034	30	2,464,890	139,855	2325034
July	2,802,066	31	2,652,731	(149,335)	2802066
August	2,742,132	31	2,545,849	(196,283)	2742132
September	2,549,906	30	2,384,369	(165,537)	2549906
October	2,450,179	31	2,107,619	(342,560)	2450179
November	2,161,728	30	2,159,841	(1,886)	2161728
December	2,561,106	31	2,298,949	(262,157)	2561106
<b>Total</b>	<b>29,626,063</b>		<b>27,566,866</b>	<b>(2,059,196)</b>	<b>29626063</b>
<b>Average</b>	<b>2,468,839</b>		<b>2,297,239</b>		

Source: MidAmerican 2021 Net Energy for Load Forecast

Month	2021
January	4,159
February	4,022
March	3,678
April	3,425
May	4,161
June	4,839
July	5,172
August	4,978
September	4,663
October	3,661
November	3,764
December	3,974
Annual Peak	5,172
Average	4,208

Source: MidAmerican 2021 Monthly Peak Demand Forecast

Month	MNAEW 2013 (MWh)	MNAEW 2014 (MWh)	MNAEW 2015 (MWh)	MNAEW 2016 (MWh)	MNAEW 2017 (MWh)	MNAEW 2018 (MWh)	MNAEW 2019 (MWh)	MNAEW 2020 (MWh)	MNAEW 2021 (MWh)	Monthly Load	Monthly Revenue Requirement	MUR
Jan	43,602,595	46,323,357	44,129,493	42,692,158	42,769,239	45,629,759	44,131,669	41,384,804	41,773,407	8.9%	\$65,114,798	1.558762
Feb	38,954,242	41,228,964	41,237,990	38,464,462	35,876,755	38,697,633	39,184,779	38,301,294	38,660,943	8.2%	\$65,114,798	1.684253
Mar	41,024,875	41,736,099	39,735,293	36,765,373	39,161,023	40,199,609	40,148,388	36,726,915	37,071,781	7.9%	\$65,114,798	1.756452
Apr	36,898,326	35,919,469	35,144,595	34,585,069	34,664,351	37,261,301	35,082,351	31,463,610	31,759,053	6.7%	\$65,114,798	2.050275
May	38,497,650	38,125,731	37,266,277	36,503,871	36,971,953	40,593,142	36,429,894	32,866,391	33,175,006	7.0%	\$65,114,798	1.962767
Jun	40,531,882	41,774,134	40,481,714	42,436,406	41,375,261	42,876,556	38,780,936	40,159,647	40,536,746	8.6%	\$65,114,798	1.606315
Jul	45,735,613	42,894,585	45,263,223	46,616,864	46,115,979	46,357,692	47,139,103	47,197,043	47,640,223	10.1%	\$65,114,798	1.366803
Aug	45,437,483	45,472,253	43,642,164	47,604,083	42,433,075	46,315,496	43,564,511	43,735,261	44,145,935	9.4%	\$65,114,798	1.474990
Sep	39,923,426	39,963,374	38,390,975	40,544,359	40,104,812	39,212,697	40,371,346	39,537,771	39,909,030	8.5%	\$65,114,798	1.631581
Oct	38,918,059	38,926,517	37,722,199	36,675,815	37,191,524	37,495,547	38,189,443	36,857,574	37,203,666	7.9%	\$65,114,798	1.750225
Nov	39,271,395	39,262,750	40,118,268	36,192,214	36,294,359	37,705,586	39,122,836	38,564,159	38,926,277	8.3%	\$65,114,798	1.672772
Dec	44,250,348	44,226,568	42,111,459	39,521,093	42,899,177	42,324,817	40,899,704	40,392,233	40,771,516	8.6%	\$65,114,798	1.597066
Total	493,045,894	495,853,801	485,243,650	478,601,767	475,857,508	494,669,834	483,044,960	467,186,700	471,573,584		\$781,377,580	1.656958

2021 Growth is 0.939% based on 2020 actual and average of LRZ 1 -7 EnergyGrowth Rates with Energy Efficiency Adjustment  
From MISO Independent Load Forecast Study - Table ES2. LRZ Metered Load Growth Rates (2021-2040)



Transmission Owner	NERC ID	Schedule 26-A	Schedule 26-A	Schedule 26-A	Adjustments for Attachment O	
		Annual Rev. Req.	True-Up Adjustment	Net Annual Rev. Req. <sup>1</sup>	Annual Incentive Return Charge	Schedule 26-A Rev. Req. for Attach O Line 30a
Ameren Illinois Company	AMIL	\$ 11,592,707	\$ 558,399	\$ 12,151,106		\$ 11,592,707
Ameren Transmission Company of Illinois	ATXI	\$ 186,123,335	\$ 11,966,618	\$ 198,089,953		\$ 186,123,335
American Transmission Company	ATC	\$ 37,250,060	\$ 6,067,623	\$ 43,317,683		\$ 37,250,060
Cedar Falls Utilities	CFU	\$ 517,027	\$ (110,122)	\$ 406,905		\$ 517,027
Central Minnesota Municipal Power Agency	UPLS	\$ 6,611,908	\$ 1,693,070	\$ 8,304,978		\$ 6,611,908
Dairyland Power Cooperative	DPC	\$ 2,983,794	\$ 175,265	\$ 3,159,059		\$ 2,983,794
Duke Energy Indiana	CIN	\$ 790,326	\$ -	\$ 790,326		\$ 790,326
Great River Energy	GRE	\$ 15,651,611	\$ 1,336,508	\$ 16,988,119	\$ -	\$ 15,651,611
International Transmission Company	DECO	\$ 110,700,149	\$ 15,787,771	\$ 126,487,920		\$ 110,700,149
ITC Midwest	ITCM	\$ 76,394,238	\$ 5,702,262	\$ 82,096,500		\$ 76,394,238
Michigan Electric Transmission Company	CONS	\$ 54,372	\$ 3,775	\$ 58,147		\$ 54,372
MidAmerican Energy Company	MEC	\$ 57,979,583	\$ 5,280,390	\$ 63,259,973		\$ 57,979,583
Missouri Rivers Energy Services	MRET	\$ 4,598,721	\$ 420,641	\$ 5,019,362		\$ 4,598,721
Montana-Dakota Utilities	MDU	\$ 12,911,531	\$ (629,453)	\$ 12,282,078		\$ 12,911,531
Northern Indiana Public Service Company	NIPS	\$ 75,207,173	\$ 4,907,234	\$ 80,114,407		\$ 75,207,173
NSP Companies	NSP	\$ 68,271,482	\$ 5,011,883	\$ 73,283,365		\$ 68,271,482
Otter Tail Power Company	OTP	\$ 23,557,522	\$ (183,983)	\$ 23,373,539		\$ 23,557,522
Pioneer Transmission, LLC	PION	\$ 25,282,278	\$ 50,198	\$ 25,332,476		\$ 25,282,278
Southern Minnesota Municipal Power Agency	SMP	\$ 5,813,244	\$ -	\$ 5,813,244		\$ 5,813,244
WPPI Energy	WPPT	\$ 1,048,440	\$ -	\$ 1,048,440		\$ 1,048,440
<b>TOTALS</b>		<b>\$ 723,339,501</b>	<b>\$ 58,038,079</b>	<b>\$ 781,377,580</b>	<b>\$ -</b>	<b>\$ 723,339,501</b>

Note(s)

<sup>1</sup> Per Attachment MM-GRE Note G - the MVP annual revenue requirement is the value to be used in Schedule 26A & 39. Per Attachment MM-GRE Note I - annual incentive return charge is not included in Attachment O-GRE Page 3, Line 30a.