

Formula Rate calculation

Rate Formula Template  
 Utilizing Attachment O Data

MidAmerican Energy Company

To be completed in conjunction with Attachment O.  
 (inputs from Attachment O are rounded to whole dollars)

Line No.	(1)	(2) Attachment O Page, Line, Col.	(3) Transmission	(4) Allocator
1	Gross Transmission Plant - Total	Attach O, p 2, line 2 col 5 (Note A)	2,356,083,635	
1a	Transmission Accumulated Depreciation	Attach O, p 2, line 8 col 5 (Note J)	<u>602,171,007</u>	
2	Net Transmission Plant - Total	Line 1 minus Line 1a (Note B)	1,753,912,628	
<b>O&amp;M TRANSMISSION EXPENSE</b>				
3	Total O&M Allocated to Transmission	Attach O, p 3, line 8 col 5	19,266,057	
3a	Transmission O&M	Attach O, p 3, line 1 col 5	93,153,819	
3b	Less: LSE Expenses included in above, if any	Attach O, p 3, line 1a col 5, if any	6,819,996	
3c	Less: Account 565 included in above, if any	Attach O, p 3, line 2 col 5, if any	<u>71,560,331</u>	
3d	Adjusted Transmission O&M	Line 3a minus Line 3b minus Line 3c	14,773,492	
4	<b>Annual Allocation Factor for Transmission O&amp;M</b>	(Line 3d divided by line 1a, col 3)	<b>2.45%</b>	<b>2.45%</b>
<b>OTHER O&amp;M EXPENSE</b>				
4a	Other O&M Allocated to Transmission	Line 3 minus Line 3d	4,492,565	
4b	Annual Allocation Factor for Other O&M	Line 4a divided by Line 1, col 3	0.19%	0.19%
<b>GENERAL AND COMMON (G&amp;C) DEPRECIATION EXPENSE</b>				
5	Total G&C Depreciation Expense	Attach O, p 3, lines 10 & 11, col 5 (Note H)	2,228,133	
6	Annual Allocation Factor for G&C Depreciation Expense	(line 5 divided by line 1 col 3)	0.09%	0.09%
<b>TAXES OTHER THAN INCOME TAXES</b>				
7	Total Other Taxes	Attach O, p 3, line 20 col 5	13,567,808	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.58%	0.58%
9	<b>Annual Allocation Factor for Other Expense</b>	<b>Sum of line 4b, 6, and 8</b>	<b>0.86%</b>	<b>0.86%</b>
<b>INCOME TAXES</b>				
10	Total Income Taxes	Attach O, p 3, line 27 col 5	34,613,500	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	1.97%	1.97%
<b>RETURN</b>				
12	Return on Rate Base	Attach O, p 3, line 28 col 5	116,815,115	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	6.66%	6.66%
14	<b>Annual Allocation Factor for Return</b>	<b>Sum of line 11 and 13</b>		<b>8.63%</b>

Formula Rate calculation

Rate Formula Template  
 Utilizing Attachment O Data

Attachment MM - MidAmerican Energy Company  
 Projected - For the 12 months ended 12/31/21

MidAmerican Energy Company

Multi-Value Project (MVP) Revenue Requirement Calculation

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	
Line No.	Project Name	MTEP Project Number	Project Gross Plant	Project Accumulated Depreciation	Transmission O&M Annual Allocation Factor	Annual Allocation for Transmission O&M Expense	Other Expense Annual Allocation Factor	Annual Allocation for Other Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	MVP Annual Adjusted Revenue Requirement
		(Note C)	(Note K)	Page 1 line 4	(Col 4 * Col 5)	Page 1 line 9	(Col 3 * Col 7)	(Col 6 + Col 8)	(Col 3 - Col 4)	(Page 1 line 14)	Col 10 * Col 11	(Note E)	Sum Col. 9, 12 & 13	(Note F)	Sum Col. 14 & 15	
Multi-Value Projects (MVP)																
1a	MVP 3	P3205	\$ 242,038,051	\$ 32,348,370	2.45%	\$ 793,626	0.86%	\$2,084,217.00	\$2,877,843.00	\$ 209,689,681	8.63%	\$ 18,104,105	\$ 6,572,525	\$ 27,554,473	\$ 2,152,421	\$ 29,706,894
1b	MVP 4	P3213	\$ 141,485,453	\$ 19,971,650	2.45%	\$ 489,979	0.86%	\$1,218,347.00	\$1,708,326.00	\$ 121,513,803	8.63%	\$ 10,491,211	\$ 3,850,128	\$ 16,049,665	\$ 412,522	\$ 16,462,187
1c	MVP 7	P2248	\$ 58,790,684	\$ 4,235,797	2.45%	\$ 103,920	0.86%	\$506,253.00	\$610,173.00	\$ 54,554,887	8.63%	\$ 4,710,138	\$ 1,490,153	\$ 6,810,464	\$ 2,090,597	\$ 8,901,061
1d	MVP 16	P3022	\$ 65,446,727	\$ 6,862,379	2.45%	\$ 168,360	0.86%	\$563,569.00	\$731,929.00	\$ 58,584,348	8.63%	\$ 5,058,032	\$ 1,775,020	\$ 7,564,981	\$ 624,850	\$ 8,189,831
2	MVP Total Annual Reven		\$507,760,915	\$63,418,196										\$57,979,583	\$5,280,390	\$63,259,973
3	Rev. Req. Adj For Attachment O													\$57,979,583		

Note Letter

- A Gross Transmission Plant is that identified on page 2 line 2 of Attachment O and includes any sub lines 2a or 2b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order less any prefunded AFUDC associated with gross plant and CWIP, if applicable. References to Attachment O "Column 5" throughout this template is an illustrative column designation intended to reference the appropriate right-most column in Attachment O which position may vary by company.
- B Net Transmission Plant is that identified on page 2 line 14 of Attachment O and includes any sub lines 14a or 14b etc. and is inclusive of any CWIP included in rate base when authorized by FERC order .
- C Project Gross Plant is the total capital investment for the project calculated in the same method as the gross plant value in line 1 and includes CWIP in rate base when authorized by FERC order less any prefunded AFUDC, if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Note deliberately left blank.
- E Project Depreciation Expense is the actual value booked for the project and included in the Depreciation Expense in Attachment O page 3 line 12, less any prefunded AFUDC amortization, if applicable, related to the project.
- F True-Up Adjustment is included pursuant to a FERC approved methodology, if applicable.
- G The MVP Annual Revenue Requirement is the value to be used in Schedules 26-A and 39.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 13.
- I For Transmission Owners using an Attachment O based on either EIA Form 412 Cash Flow or RUS Form 12 Cash Flow, the Annual Allocation Factor for Transmission O&M shall be line 3 divided by line 1, col 3 of the Attachment MM template.
- J Transmission Accumulated Depreciation that is identified on page 2 line 8 of Attachment O less any amortized prefunded AFUDC balance, if applicable.
- K Project Accumulated Depreciation for the project is calculated in the same method as the Transmission Accumulated Depreciation value in line 1a.

Table 1						
Cross Reference to Attachment O for Completion of Attachment MM						
	Attachment MM	FERC Form 1	EIA Form 412 Non-Levelized	EIA Form 412 Cash Flow	RUS Form 12 Non-Levelized	RUS Form 12 Cash Flow
Gross Transmission Plant	page 1, line 1, col 3	page 2, line 2, col 5	page 2, line 2, col 5	page 3, line 2, col 5	page 2, line 2, col 5	page 3, line 2, col 5
Net Transmission Plant*	page 1, line 2, col 3	page 2, line 14, col 5	page 2, line 14, col 5	page 3, line 2, col 5	page 2, line 14, col 5	page 3, line 2, col 5
O&M Expense	page 1, line 3, col 3	page 3, line 8, col 5	page 3, line 8, col 5	page 2, line 8, col 5	page 3, line 8, col 5	page 2, line 8, col 5
General and Common Depreciation	page 1, line 5, col 3	page 3, lines 10 & 11, col 5	page 3, lines 10 & 11, col 5	N/A	page 3, lines 10 & 11, col 5	N/A
Taxes Other Than Income Taxes**	page 1, line 7, col 3	page 3, line 20, col 5	page 3, line 20, col 5	page 2, line 19, col 5	page 3, line 20, col 5	page 2, line 19, col 5
Total Income Taxes	page 1, line 10, col 3	page 3, line 27, col 5	page 3, line 27, col 5	N/A	page 3, line 27, col 5	N/A
Return on Rate Base***	page 1, line 12, col 3	page 3, line 28, col 5	page 3, line 28, col 5	page 2, line 11, col 5 and page 2, line 21, col 5	page 3, line 28, col 5	page 2, line 11, col 5 and page 2, line 21, col 5

Note: \*The Net Transmission Plant for Transmission Owners using an Attachment O based on either EIA Form 412 Cash Flow or RUS Form 12 Cash Flow shall use their Gross Transmission Plant from page 3, line 2, column 5 for a Net Transmission Plant value. These two Attachment Os do not allow for the recovery of depreciation expense nor do they decrement rate base for accumulated depreciation, therefore to maintain a consistent methodology between Attachment O and Attachment MM no depreciation expense would be recovered under Attachment MM nor would any accumulated depreciation be included in the calculation of the Net Transmission Plant balances.

Note: \*\*The Taxes Other Than Income Taxes for SMMPA's EIA Form 412 Cash Flow shall use page 2, line 20, col 5

Note: \*\*\*The Return on Rate Base for SMMPA's EIA Form 412 Cash Flow Attachment O shall use page 2, line 12, col 5 and page 2, line 22, col 5.

**Attachment MM True-Up Adjustment - Aggregate**

To be completed after the Attachment MM using actual data is completed for the True-Up Year

Company Name: MidAmerican Energy Company  
 True-Up Year: 2019  
 Note:

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Line No.	Project Name	MTEP Project Number	Actual Attachment MM Revenues	Projected Annual Revenue Requirement <sup>1</sup>	Actual Attachment MM Revenues Allocated to Projects <sup>1</sup>	Actual Annual Revenue Requirement <sup>1</sup>	True-Up Adjustment Principal Under/(Over)	Applicable Interest Rate on Under/(Over)	True-Up Adjustment Interest Under/(Over)	Total True-Up Adjustment
				Projected Attachment MM p 2 of 2, Col. 14 <sup>2</sup>	[Col. (d), line 1 x (Col. (e), line 2x / Col. (e), line 3)] <sup>2</sup>	Actual Attachment MM p 2 of 2, Col. 14 <sup>2</sup>	Col. (g) - Col. (f)	Line 5	Col. (h) x Col. (i) x 24 months <sup>2</sup>	Col. (h) + Col. (j)
1	Actual Attachment MM revenues for True-Up Year <sup>1</sup>		\$ 52,497,657							
2a	MVP 3	P3205		27,985,259	25,130,560	27,481,175	2,350,615	0.14%	78,724	2,429,339
2b	MVP 4	P3213		16,596,483	14,903,522	15,460,822	557,300	0.14%	18,665	575,965
2c	MVP 7	P2248		6,379,767	5,728,985	7,779,454	2,050,469	0.14%	68,672	2,119,141
2d	MVP 16	P3022		7,499,605	6,734,591	7,412,693	678,102	0.14%	22,710	700,812
3	Subtotal			\$ 58,461,114	\$ 52,497,658	\$ 58,134,144				
4	Under/(Over) Recovery						\$ 5,636,486		\$ 188,771	\$ 5,825,257
5	Applicable Interest rate per month (expressed to four decimal places)							0.14%		

<sup>1</sup> Amount excludes True-Up Adjustment, as reported in True-Up Year projected Attachment MM, page 2, column 15.

<sup>2</sup> Rounded to whole dollars.

MidAmerican Energy Company  
Short-Term Debt Interest Rate

Jan-19	0.21350%
Feb-19	0.19104%
Mar-19	0.21186%
Apr-19	0.20388%
May-19	0.20643%
Jun-19	0.19710%
Jul-19	0.18891%
Aug-19	0.17742%
Sep-19	0.16567%
Oct-19	0.15159%
Nov-19	0.13949%
Dec-19	0.14969%
Jan-20	0.14076%
Feb-20	0.12006%
Mar-20	0.08410%
Apr-20	0.02702%
May-20	0.02792%
Jun-20	0.02702%
Jul-20	0.02792%
Average	0.13955%

MidAmerican Energy Company  
 Attachment MM True-Up Adjustment  
 2018

Line No.	Project Name	MTEP Project Number	Original True-Up Adjustment	Corrected True-Up Adjustment	Adjustment Principal	Interest Rate	Adjustment Interest	Adjustment Total
1	MVP 3	P3205	\$ 1,921,478	\$ 1,659,141	\$ (262,337)	0.1523%	\$ (14,383)	\$ (276,720)
2	MVP 4	P3213	\$ 1,552,296	\$ 1,397,348	\$ (154,948)	0.1523%	\$ (8,495)	\$ (163,443)
3	MVP 16	P3022	\$ 744,543	\$ 672,529	\$ (72,014)	0.1523%	\$ (3,948)	\$ (75,962)
4	MVP 7	P2248	\$ (1,507,243)	\$ (1,534,303)	\$ (27,060)	0.1523%	\$ (1,484)	\$ (28,544)
			\$ 2,711,074	\$ 2,194,715	\$ (516,359)		\$ (28,310)	\$ (544,669)

Attachment MM True-Up - FERC Audit  
 2016

Period Ending	This period's Begin. Bal.	This period's Interest rate	This period's interest	This period's Ending Balance
Mar-16	\$ 160.00	0.81250%	1.30	\$ 161.30
Jun-16	\$ 161.30	0.86500%	1.40	\$ 162.70
Sep-16	\$ 162.70	0.87500%	1.42	\$ 164.12
Dec-16	\$ 164.12	0.87500%	1.44	\$ 165.55
Mar-17	\$ 165.55	0.87500%	1.45	\$ 167.00
Jun-17	\$ 167.00	0.92750%	1.55	\$ 168.55
Sep-17	\$ 168.55	0.99000%	1.67	\$ 170.22
Dec-17	\$ 170.22	1.05250%	1.79	\$ 172.01
Mar-18	\$ 172.01	1.06250%	1.83	\$ 173.84
Jun-18	\$ 173.84	1.11750%	1.94	\$ 175.78
Sep-18	\$ 175.78	1.17250%	2.06	\$ 177.84
Dec-18	\$ 177.84	1.24000%	2.21	\$ 180.05
Mar-19	\$ 180.05	1.29500%	2.33	\$ 182.38
Jun-19	\$ 182.38	1.36250%	2.48	\$ 184.87
Sep-19	\$ 184.87	1.37500%	2.54	\$ 187.41
Dec-19	\$ 187.41	1.35500%	2.54	\$ 189.95
Mar-20	\$ 189.95	1.24000%	2.36	\$ 192.30
Jun-20	\$ 192.30	1.18750%	2.28	\$ 194.59
Sep-20	\$ 194.59	0.85750%	1.67	\$ 196.25
Dec-20	\$ 196.25	0.81250%	1.59	\$ 197.85
			<u>37.85</u>	
True-Up Adjustment				\$ (197.85)