

Formula Rate calculation

Rate Formula Template  
Utilizing Attachment O Data

MidAmerican Energy Company

To be completed in conjunction with Attachment O.

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)	2,797,569,126	
2	Net Transmission Plant - Total	Attach O, p 2, line 14 and 23b col 5 (Note B)	2,092,427,699	
O&M EXPENSE				
3	Total O&M Allocated to Transmission	Attach O, p 3, line 8 col 5	19,501,121	
4	Annual Allocation Factor for O&M	(line 3 divided by line 1 col 3)	0.70%	0.70%
GENERAL AND COMMON (G&C) DEPRECIATION EXPENSE				
5	Total G&C Depreciation Expense	Attach O, p 3, lines 10 & 11, col 5 (Note H)	3,939,864	
6	Annual Allocation Factor for G&C Depreciation Expense	(line 5 divided by line 1 col 3)	0.14%	0.14%
TAXES OTHER THAN INCOME TAXES				
7	Total Other Taxes	Attach O, p 3, line 20 col 5	16,459,407	
8	Annual Allocation Factor for Other Taxes	(line 7 divided by line 1 col 3)	0.59%	0.59%
9	<b>Annual Allocation Factor for Expense</b>	<b>Sum of line 4, 6, and 8</b>		<b>1.43%</b>
INCOME TAXES				
10	Total Income Taxes	Attach O, p 3, line 27 col 5	33,133,147	
11	Annual Allocation Factor for Income Taxes	(line 10 divided by line 2 col 3)	1.58%	1.58%
RETURN				
12	Return on Rate Base	Attach O, p 3, line 28 col 5	135,206,879	
13	Annual Allocation Factor for Return on Rate Base	(line 12 divided by line 2 col 3)	6.46%	6.46%
14	<b>Annual Allocation Factor for Return</b>	<b>Sum of line 11 and 13</b>		<b>8.05%</b>

MidAmerican Energy Company

Network Upgrade Charge Calculation By Project

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Line No.	Project Name	MTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Network Upgrade Charge
		(Note C)	(Page 1 line 9)	(Col. 3 * Col. 4)		(Note D)	(Page 1 line 14)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a	Fallow Avenue Substation	3721	\$ 600,441	1.43%	\$ 8,564	\$ 422,799	8.05%	\$ 34,015	\$15,012	\$57,591	\$ 2,264	59,855
1b	Rolling Hills Substation	11203	\$ 61,834	1.43%	\$ 882	\$ 42,484	8.05%	\$ 3,418	\$1,548	\$5,848	\$ 235	6,083
1c	Lehigh Substation	11204	\$ 245,471	1.43%	\$ 3,501	\$ 173,420	8.05%	\$ 13,952	\$6,132	\$23,585	\$ 941	24,526
1d	Obrien County Substation	10867	\$ 179,232	1.43%	\$ 2,556	\$ 144,170	8.05%	\$ 11,599	\$4,476	\$18,631	\$ 716	19,347
1e	Ida County Substation	10868	\$ 425,180	1.43%	\$ 6,064	\$ 341,010	8.05%	\$ 27,435	\$10,632	\$44,131	\$ 1,697	45,828
1f	J498 Beaver Creek Substation	12665	\$ 666,744	1.43%	\$ 9,509	\$ 552,846	8.05%	\$ 44,478	\$16,668	\$70,655	\$ 2,783	73,438
1g	J412 Ida County West Substation	13644	\$ 1,215,115	1.43%	\$ 17,331	\$ 1,068,317	8.05%	\$ 85,948	\$30,372	\$133,651	\$ 5,225	138,876
1h	J499 Arbor Hill Substation	12723	\$ 760,818	1.43%	\$ 10,851	\$ 649,868	8.05%	\$ 52,283	\$19,020	\$82,154	\$ 3,223	85,377
1i	J500 Orient Substation	12725	\$ 2,107,729	1.43%	\$ 30,062	\$ 1,918,916	8.05%	\$ 154,381	\$52,692	\$237,135	\$ 8,975	246,110
1j	J529/J590 Palo Alto Substation	13584	\$ 675,390	1.43%	\$ 9,633	\$ 593,784	8.05%	\$ 47,771	\$16,884	\$74,288	\$ 2,909	77,197
1k	J455 Upland Prairie Substation	13645	\$ 79,451	1.43%	\$ 1,133	\$ 67,831	8.05%	\$ 5,457	\$1,992	\$8,582	\$ 341	8,923
1l	J475/J555 North English Substation	14625	\$ 1,438,292	1.43%	\$ 20,514	\$ 1,309,464	8.05%	\$ 105,349	\$35,952	\$161,815	\$ 6,309	168,124
1m	Grimes-Beaver Creek 345 kV Uprate	18125	\$ 187,938	1.43%	\$ 2,680	\$ 171,474	8.05%	\$ 13,795	\$4,704	\$21,179	\$ 827	22,006
1n	Diamond Trail-Hills 345 kV Uprate	18188	\$ 8,769	1.43%	\$ 125	\$ 7,887	8.05%	\$ 635	\$216	\$976	\$ 38	1,014
1o	Bondurant-Montezuma 345 kV Uprate	18174	\$ 40,652	1.43%	\$ 580	\$ 36,997	8.05%	\$ 2,976	\$1,020	\$4,576	\$ 178	4,754
1p	Montezuma-Diamond Trail 345 kV Uprate	20128	\$ 22,380	1.43%	\$ 319	\$ 20,641	8.05%	\$ 1,661	\$564	\$2,544	\$ 2,979	5,523
1q	Bondurant-Montezuma 345 kV Uprate	20130	\$ 39,569	1.43%	\$ 564	\$ 36,043	8.05%	\$ 2,900	\$984	\$4,448	\$ 5,217	9,665
2	Annual Totals		\$8,755,005		124,868	7,557,951		608,053	218,868	\$951,789	\$44,857	\$996,646
3	NUC and TMEPC Rev. Req. Adj For Attachment O (Attachment GG page 2, line 2, Column 10 plus Attachment GG, page 3, line 2, Column 10)									\$951,789		

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, if
- 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 less any prefunded AFUDC,
- 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 less any prefunded AFUDC, if applicable. This value includes subsequent capital investments required to maintain the facilities to their original capabilities.
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- 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.
- F True-Up Adjustment is included pursuant to a FERC approved methodology, if applicable.
- G The Network Upgrade Charge is the value to be used in Schedule s 26, 37 and 38.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 2 column 9.

Utilizing Attachment O Data

**Targeted Market Efficiency Project Charge Calculation By Project**

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Line Efficiency No. Charge	Project Name	MTEP Project Number	Project Gross Plant	Annual Allocation Factor for Expense	Annual Expense Charge	Project Net Plant	Annual Allocation Factor for Return	Annual Return Charge	Project Depreciation Expense	Annual Revenue Requirement	True-Up Adjustment	Targeted Market Project
		(Note C)	(Page 1 line 9)	(Col. 3 * Col. 4)		(Note D)	(Page 1 line 14)	(Col. 6 * Col. 7)	(Note E)	(Sum Col. 5, 8 & 9)	(Note F)	Sum Col. 10 & 11 (Note G)
1a	Project 1	P1	\$ -	1.43%	\$ -	\$ -	8.05%	\$ -	\$0	\$0.00	\$ -	0
1b	Project 2	P2	\$ -	1.43%	\$ -	\$ -	8.05%	\$ -	\$0	\$0.00	\$ -	0
1c	Project 3	P3	\$ -	1.43%	\$ -	\$ -	8.05%	\$ -	\$0	\$0.00	\$ -	0
2	Annual Totals		\$0							\$0	\$0	\$0

**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, if
- 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 less any prefunded AFUDC,
- 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 less any prefunded AFUDC, if applicable. This value includes
- D Project Net Plant is the Project Gross Plant Identified in Column 3 less the associated Accumulated Depreciation.
- 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.
- F True-Up Adjustment is included pursuant to a FERC approved methodology, if applicable.
- G The Targeted Market Efficiency Project Charge is the value to be used in Schedule 26-C.
- H The Total General and Common Depreciation Expense excludes any depreciation expense directly associated with a project and thereby included in page 3 column 9.

	<u>Attachment GG</u>	
Gross Transmission Plant	Page 1, Line 1, Col. 3	
Net Transmission Plant*	Page 1, Line 2, Col. 3	
O&M Expense	Page 1, Line 3, Col. 3	
General and Common Depreciation Expense	Page 1, Line 5, Col. 3	
Taxes Other Than Income Taxes	Page 1, Line 7, Col. 3	
Total Income Taxes	Page 1, Line 10, Col. 3	
Return on Rate Base	Page 1, Line 12, Col. 3	

Notes:

\*The Net Transmission Plant for Transmission Owners using an Attachment Os do not allow for the recovery of depreciation expense recovered under Attachment GG nor would any accumulated depreciation

\*\*The Taxes Other Than Income Taxes for SMMPA's EIA Form 412 C:

\*\*The Return on Rate Base for SMMPA's EIA Form 412 Cash Flow Att

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**Cross Reference to Att**

<u>FERC Form 1</u>	<u>EIA Form 412 Non-Levelized</u>
Page 2, Line 2, Col. 5	Page 2, Line 2, Col. 5
Page 2, Line 14, Col. 5	Page 2, Line 14, Col. 5
Page 3, Line 8, Col. 5	Page 3, Line 8, Col. 5
P. 3, Lines 10 & 11, Col. 5	P. 3, Lines 10 & 11, Col. 5
Page 3, Line 20, Col. 5	Page 3, Line 20, Col. 5
Page 3, Line 27, Col. 5	Page 3, Line 27, Col. 5
Page 3, Line 28, Col. 5	Page 3, Line 28, Col. 5

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ment O based on either EIA Form 412 Cash Flow or RUS F  
se nor do they decrement rate base for accumulated deprec  
tion be included in the calculation of the Net Transmission PI

ash Flow Attachment O shall use Page 2, Line 20, Col. 5

achment O shall use Page 2, Line 12, Col. 5 and Page 2, Lin

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Attachment O for Completion of Attachment GG

<u>EIA Form 412 Cash Flow</u>	<u>RUS Form 12 Non-Levelized</u>
Page 3, Line 2, Col. 5	Page 2, Line 2, Col. 5
Page 3, Line 2, Col. 5	Page 2, Line 14, Col. 5
Page 2, Line 8, Col. 5	Page 3, Line 8, Col. 5
N/A	Page 3, Lines 10 & 11, Col. 5
Page 2, Line 19, Col. 5**	Page 3, Line 20, Col. 5
N/A	Page 3, Line 27, Col. 5
Page 2, Line 11, Col. 5 & Page 2, Line 21, Col. 5***	Page 3, Line 28, Col. 5

Form 12 Cash Flow shall use their Gross Transmission Plant from Page 2, Line 2, Col. 5. To ensure consistency and correlation, therefore to maintain a consistent methodology between Attachment O and Attachment GG, plant balances.

Page 22, Col. 5.

Table 1

<u>RUS Form 12 Cash Flow</u>		
Page 3, Line 2, Col. 5		
Page 3, Line 2, Col. 5		
Page 2, Line 8, Col. 5		
N/A		
Page 2, Line 19, Col. 5		
N/A		
Page 2, Line 11, Col. 5 & Page 2, Line 21, Col. 5		

umn 5 for a Net Transmission Plant value. These  
 attachment GG no depreciation expense would be