

MidAmerican Energy Company
Impact of Siemens Repowering
South Dakota Electric
\$000

	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
<u>ECA Impacts</u>					
ECA recoveries before Siemens repowering (V27)	(1,817)	(1,842)	(2,103)	(1,739)	(1,351)
Incremental total MEC Siemens repowering PTCs (V43 less V27)	-	5,470	17,160	59,354	92,497
SD %	0.87%	0.83%	0.82%	0.82%	0.82%
SD allocated Siemens PTCs	-	45	141	487	758
Pre-tax	-	57	178	616	960
ECA recoveries including Siemens PTCs	(1,817)	(1,900)	(2,281)	(2,355)	(2,311)
<u>SD-E ROE with Siemens Repowering (PTCs not in ECA) (V43)</u>					
Utility operating income					
Rate base					
Return on rate base	5.68%	6.04%	5.89%	6.23%	6.98%
Cost of LTD	2.07%	2.07%	2.11%	2.14%	2.21%
Available for common	3.61%	3.97%	3.78%	4.09%	4.77%
Equity %	50.56%	50.79%	50.63%	49.34%	49.87%
Return on equity	7.14%	7.82%	7.47%	8.29%	9.56%
<u>Adjustments</u>					
Potential ECA reduction for Siemens repowering PTCs	-	(57)	(178)	(616)	(960)
After-tax	-	(45)	(141)	(487)	(758)
<u>SD-E ROE with Siemens Repowering (PTCs in ECA)</u>					
Utility operating income					
Rate base					
Return on rate base	5.68%	5.99%	5.75%	5.73%	6.16%
Cost of LTD	2.07%	2.07%	2.11%	2.14%	2.21%

Available for common	3.61%	3.92%	3.64%	3.59%	3.95%
Equity %	50.56%	50.79%	50.63%	49.34%	49.87%
Return on equity	7.14%	7.72%	7.19%	7.27%	7.93%

SD-E ROE with ALL PTCs Included in ECA

Total South Dakota PTCs	3,906	4,607	5,137	5,210	5,278
South Dakota PTCs included in ECA	1,909	1,830	1,761	1,301	1,022
South Dakota PTCs not in ECA	1,997	2,777	3,376	3,909	4,256

Adjusted utility operating income

Rate base

Return on rate base

Cost of LTD

Available for common

Equity %

Return on equity - all PTCs included in ECA

ROE from EL-14-072

Return on equity target

ROE deficiency

Revenue deficiency

South Dakota PTCs not in ECA - Grossed-up

Revenue deficiency In excess of additional PTC benefit to ECA

	3.35%	3.01%	2.44%	2.18%	2.41%
	2.07%	2.07%	2.11%	2.14%	2.21%
	1.28%	0.94%	0.33%	0.05%	0.20%
	50.56%	50.79%	50.63%	49.34%	49.87%
	2.54%	1.85%	0.66%	0.10%	0.41%
	9.25%	9.25%	9.25%	9.25%	9.25%
	2,528	3,515	4,273	4,948	5,387

MidAmerican Energy Company
Siemens Repowering
Plant Data for Repowered Siemens Turbines
December 31, 2018
\$000s
Total Company

	<u>12/31/2018</u>			
<u>\$000</u>	<u>Original Cost</u>	<u>Plant Balance</u>	<u>Accum. Deprec.</u>	<u>NBV</u>
Siemens Wind Farms	[REDACTED]			

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	<u>2019</u>	<u>2020</u>	<u>2021</u>	<u>2022</u>	<u>2023</u>
Rate base after Siemens repowering					
Rate base before Siemens repowering					
Rate base change					
ROE from EL-14-072	9.25%	9.25%	9.25%	9.25%	9.25%
WACLTD	2.07%	2.07%	2.11%	2.14%	2.21%
Equity ratio	50.56%	50.79%	50.63%	49.34%	49.87%
Revenue requirement from incremental rate base	0	39	222	435	492
Operating income after Siemens repowering (V43)					
Incremental PTCs from Siemens repowering	-	45	141	487	758
Adjusted operating income after Siemens repowering					
Operating income before Siemens repowering (V27)					
Operating income difference	(0)	(11)	90	(77)	(222)
Total revenue requirement from Siemens repowering, excluding PTCs	0	49	131	511	714