

EXCERPT FROM THE MINUTES OF A  
BOARD OF DIRECTORS MEETING OF  
ALLETE, INC.

HELD  
January 24, 2017

I, Bethany M. Owen, Secretary of ALLETE, Inc., a corporation organized under the laws of the State of Minnesota, hereby certify that the following is a true and correct copy of a resolution duly adopted at a meeting of the Board of Directors of said Company held on January 24, 2017, at which meeting a quorum was present and voting throughout, and that the same is in full force and effect as of the date hereof:

MPUC CAPITAL STRUCTURE PETITION

Ms. Owen described the annual report required to be provided to the Minnesota Public Utilities Commission describing the Company's capital structure. Upon motion duly made and seconded, the following resolution was adopted:

RESOLVED, that the officers of the Company be and each of them hereby is authorized to take any and all action deemed necessary or desirable by the officer taking such action with respect to the approval by the Minnesota Public Utilities Commission ("MPUC") of the Company's authorized capital structure, so that the issuance and sale of securities shall be deemed authorized by the MPUC.

IN WITNESS WHEREOF, I have hereunto set my hand this 1<sup>st</sup> day of February, 2017.

  
Secretary



**BETHANY M. OWEN**  
**Senior VP & Secretary**  
**Chief Legal & Administrative Officer**

218-723-3231  
E-mail [bowen@allete.com](mailto:bowen@allete.com)

January 31, 2017

ALLETE, Inc.  
30 West Superior Street  
Duluth, MN 55802

Attention: Patrick Cutshall  
Treasurer

I am an attorney in good standing and admitted to practice before the Supreme Court of the State of Minnesota, and, as General Counsel to the Company, render the following opinion concerning the Petition to be filed by Minnesota Power on or about February 18, 2016 (Petition), with the Minnesota Public Utilities Commission (Commission) for an order approving the Company's consolidated capital structure for the Authorization Period requested therein. The Petition describes the Company's expected and potential issuances during the Authorization Period of Common Stock, warrants, long-term debt, guarantees, short-term unsecured debt, all of which are hereafter sometimes collectively called "Securities" or "Security".

I.

All requisite action necessary to make valid the proposed issuance or sale of Securities will be taken when:

- (a) An order or orders have been entered by the Commission under the provisions of the Minnesota Public Utilities Act approving the Company's capital structure for purposes of the issuance of the Securities in accordance with Company's Petition;
- (b) The Company's respective Registration Statement pertaining to each respective Security, if any, as required pursuant to the Securities Act of 1933, is filed with the Securities and Exchange Commission pursuant to the aforementioned Act and a listing application is made with the appropriate stock exchange;
- (c) Each of the Securities shall have been issued pursuant to the terms and conditions of the necessary approvals;
- (d) The resolutions, if necessary, approving the issuance, sale and pricing of each of the Securities are adopted by the Board of Directors of the Company, or, if permitted under state law, by the Executive Committee of the Board of Directors;

- (e) With respect to any new public offering of Common Stock, the passage of a resolution, if necessary, of the Company's Board of Directors indicating that new Common Stock is authorized to be issued;
- (f) With respect to any exchange of Common Stock for the assets or capital stock of certain businesses, when any regulatory agency having jurisdiction over such business authorizes the acquisition; and
- (g) The necessary filings have been accomplished under relevant state "blue sky laws" with regard to the offering and issuance of the Securities.

II.

No Commission or agency other than those alluded to or mentioned above currently has jurisdiction to authorize or approve the proposed issuance or sale of Securities as described above. However, the proposed issuance or sale of Securities is or may be subject to the broad discretionary powers vested in various securities commissions and/or other administrative bodies or officials, which may authorize, among other things, the withdrawal of exempt status accorded to particular classes of Securities or certain transactions therein, and which may have imposed or may in the future impose special requirements with respect to any offering of such Securities.

III.

The Company is a corporation validly organized and existing under the laws of the State of Minnesota and duly qualified and in good standing to do business and is doing business in that state.

IV.

Each of the Securities, when issued in accordance with the approved agreements and terms and conditions against receipt of the proceeds thereof, will be a valid and binding obligation of the Company in accordance with their terms and the terms of all necessary agreements, except as limited by bankruptcy, insolvency, reorganization and other laws affecting the enforcement of creditor's rights.

V.

When the steps outlined above shall have been taken with respect to each of the Securities, the proposed transactions will not violate the legal rights of any class of investors in the Securities of the Company.

Sincerely,

  
Bethany M. Owen

**ALLETE, Inc.**  
**CONSOLIDATED BALANCE SHEET**  
**DECEMBER 31, 2016 AND PRO FORMA**  
Thousands - Unaudited

	<u>December 31, 2016</u>	<u>Adjustments</u>	<u>Pro Forma</u>
<b>ASSETS</b>			
Current Assets			
Cash and Cash Equivalents	\$27,509		\$27,509
Accounts Receivable (Less Allowance)	122,442		122,442
Inventories	104,203		104,203
Prepayments and Other	40,344		40,344
Total Current Assets	<u>294,498</u>		<u>294,498</u>
Property, Plant and Equipment - Net	3,741,232		3,741,232
Investments	191,203		191,203
Other Assets	679,448		679,448
Sub Total Assets	<u>4,906,381</u>		<u>4,906,381</u>
Net Change in Assets		570,396	570,396
<b>TOTAL ASSETS</b>	<u><u>\$4,906,381</u></u>	<u><u>\$570,396</u></u>	<u><u>\$5,476,777</u></u>
<b>LIABILITIES AND SHAREHOLDERS' EQUITY</b>			
<b>LIABILITIES</b>			
Current Liabilities			
Accounts Payable	\$74,031		\$74,031
Accrued Taxes	46,517		46,517
Accrued Interest	17,582		17,582
Long-Term Debt Due Within One Year	187,729		187,729
Other Current Liabilities	73,655		73,655
Total Current Liabilities	<u>399,514</u>		<u>399,514</u>
Long-Term Debt	1,370,382	233,000	1,603,382
Deferred Income Taxes	584,085		584,085
Other Liabilities	659,419		659,419
Total Liabilities	<u>3,013,400</u>	<u>233,000</u>	<u>3,246,400</u>
<b>SHAREHOLDERS' EQUITY</b>			
ALLETE'S Equity			
Common Stock	1,295,338	359,000	1,654,338
Accumulated Other Comprehensive Loss	(28,227)	0	(28,227)
Retained Earnings	625,870	(21,604)	604,266
Total ALLETE Equity	<u>1,892,981</u>	<u>337,396</u>	<u>2,230,377</u>
<b>NON-CONTROLLING INTEREST IN SUBSIDIARIES</b>	0		0
<b>TOTAL LIABILITIES AND SHAREHOLDERS' EQUITY</b>	<u><u>\$4,906,381</u></u>	<u><u>\$570,396</u></u>	<u><u>\$5,476,777</u></u>

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**ALLETE, Inc.**  
**Entries Giving Effect To The Proposed**  
**Transactions On The Balance Sheet**

	Thousands	
Asset Additions	\$570,396	
Cash		\$570,396
To record the increase in asset additions.		
Cash	\$359,000	
Common stock		\$359,000
To record the sale of an estimated 6,903,846 shares of common stock at \$52.00 per share.		
Retained earnings	\$14,774	
Cash		\$14,774
To record additional dividends on common stock at the current annual rate of \$2.14.		
Cash	\$233,000	
Long-term debt		\$233,000
To record the sale of \$233,000,000 of long-term debt, consisting of long-term bonds and bank loans at an estimated rate of 5.00%.		
Retained earnings	\$6,830	
Cash		\$6,830
To record the decrease in net income by the adjustments shown on the income statement.		

Note: Any interest or dividend rate expressed in the pro forma data is for illustrative purposes only and is NOT intended to represent the actual dividend or interest rate that Company's Securities will bear when issued.

**ALLETE, Inc.**  
**CONSOLIDATED STATEMENT OF INCOME**  
**TWELVE MONTHS ENDED**  
**DECEMBER 31, 2016 AND PRO FORMA**  
In Thousands - Unaudited

	<u>December 31,</u> <u>2016</u>	<u>Adjustments</u>	<u>Pro Forma</u>
<b>OPERATING REVENUE</b>	\$1,339,697		\$1,339,697
<b>OPERATING EXPENSES</b>			
Fuel and Purchased Power	332,931		332,931
Transmission Services	65,165		65,165
Cost of Sales	144,693		144,693
Operating and Maintenance	334,149		334,149
Depreciation and Amortization	195,822		195,822
Taxes Other than Income	53,744		53,744
Other	(10,308)		(10,308)
Total Operating Expenses	<u>1,116,196</u>		<u>1,116,196</u>
<b>OPERATING INCOME</b>	223,501		223,501
<b>OTHER INCOME (EXPENSE)</b>			
Interest Expense	(70,294)	(11,650)	(81,944)
Other	22,376		22,376
Total Other Income (Expense)	<u>(47,918)</u>	<u>(11,650)</u>	<u>(59,568)</u>
<b>INCOME BEFORE</b>			
<b>NON-CONTROLLING INTEREST AND INCOME TAXES</b>	175,583	(11,650)	163,933
<b>LESS: INCOME TAX EXPENSE</b>	<u>19,796</u>	<u>(4,820)</u>	<u>14,976</u>
<b>NET INCOME</b>	155,787	(6,830)	148,957
<b>LESS: NON-CONTROLLING INTEREST IN SUBSIDIARIES</b>	<u>511</u>		<u>511</u>
<b>NET INCOME ATTRIBUTABLE TO ALLETE</b>	<u>\$155,276</u>	<u>(\$6,830)</u>	<u>\$148,446</u>

**ALLETE, Inc.**  
**Entries Giving Effect To The Proposed**  
**Transactions On The Income Statement**

	<u>Thousands</u>
Interest Expense	(\$11,650)
Interest on an estimated \$233,000,000 of long-term borrowing at an estimated 5.00% rate.	
Income Tax Credit	\$3,678
Decrease in federal income taxes as a result of increase in interest charges calculated at a 31.57% tax rate.	
Income Tax Credit	\$1,142
Decrease in state income taxes as a result of increase in interest charges calculated at a 9.8% tax rate.	
Net adjustment (decrease)	<u>(\$6,830)</u>

Note: Any interest or dividend rate expressed in the pro forma data is for illustrative purposes only and is NOT intended to represent the actual dividend or interest rate that Company's Securities will bear when issued.

**ALLETE, Inc.**  
**CONSOLIDATED STATEMENT OF CASH FLOWS**  
**TWELVE MONTHS ENDED**  
**DECEMBER 31, 2016 AND PRO FORMA**  
Thousands - Unaudited

	<u>December 31,</u> <u>2016</u>	<u>Adjustments</u>	<u>Pro Forma</u>
<b>OPERATING ACTIVITIES</b>			
Net Income	\$155,788	(\$6,830)	\$148,958
Allowance for Funds Used During Construction - Equity	(2,050)		(2,050)
Loss (Income) from Equity Investments, Net of Dividends	(5,585)		(5,585)
Impairment of Goodwill	3,301		3,301
Change in Fair Value of Contingent Consideration	(13,615)		(13,615)
Gain on Sale of Investments and Property, Plant and Equipment	(6,010)		(6,010)
Depreciation Expense	190,571		190,571
Amortization of Power Purchase Agreements	(22,310)		(22,310)
Amortization of Other Intangible Assets and Other Assets	10,245		10,245
Deferred Income Tax Expense	19,352		19,352
Share-Based Compensation Expense	2,620		2,620
ESOP Compensation Expense	2,503		2,503
Defined Benefit Pension and Other Postretirement Benefit Expense	4,606		4,606
Bad Debt Expense	4,087		4,087
Changes in Operating Assets and Liabilities			0
Accounts Receivable	(4,665)		(4,665)
Inventories	13,315		13,315
Prepayments and Other Current Assets	(6,875)		(6,875)
Accounts Payable	6,508		6,508
Other Current Liabilities	(13,752)		(13,752)
Cash Contributions to Defined Benefit Pension Plans	(6,301)		(6,301)
Other Assets	(10,718)		(10,718)
Other Liabilities	11,050		11,050
Cash from Operating Activities	<u>332,065</u>	<u>(6,830)</u>	<u>325,235</u>
<b>INVESTING ACTIVITIES</b>			
Proceeds from Sale of Available-for-sale Securities	8,954		8,954
Payments for Purchase of Available-for-sale Securities	(9,450)		(9,450)
Acquisition of Subsidiaries - Net of Cash Acquired	(5,900)		(5,900)
Investment in ATC	(5,446)		(5,446)
Changes to Other Investments	4,551		4,551
Cash Paid for Intangibles	(57)		(57)
Additions to Property, Plant and Equipment	(265,560)		(265,560)
Proceeds from Sale of Assets	665		665
Changes in Restricted Cash	(4,000)		(4,000)
Asset Additions	0	(570,396)	(570,396)
Cash for Investing Activities	<u>(276,243)</u>	<u>(570,396)</u>	<u>(846,639)</u>
<b>FINANCING ACTIVITIES</b>			
Proceeds from Issuance of Common Stock	30,966	359,000	389,966
Proceeds from Issuance of Long-Term Debt	4,842	233,000	237,842
Changes in Restricted Cash	6,868		6,868
Changes in Notes Payable	(1,600)		(1,600)
Repayments of Long-Term Debt	(54,867)		(54,867)
Acquisition of Non-Controlling Interest	(8,000)		(8,000)
Acquisition Related Contingent Consideration	(790)		(790)
Debt Issuance Costs	(81)		(81)
Dividends on Common Stock	(102,662)	(14,774)	(117,436)
Cash from Financing Activities	<u>(125,324)</u>	<u>577,226</u>	<u>451,902</u>
<b>CHANGE IN CASH AND CASH EQUIVALENTS</b>	(69,502)	0	(69,502)
<b>CASH AND CASH EQUIVALENTS AT BEGINNING OF PERIOD</b>	<u>97,011</u>		<u>97,011</u>
<b>CASH AND CASH EQUIVALENTS AT END OF PERIOD</b>	<u>\$27,509</u>	<u>\$0</u>	<u>\$27,509</u>



**ALLETE, Inc.**  
**Entries Giving Effect To The Proposed**  
**Transactions On The Statement of Cash Flows**

	<u>Thousands</u>
Net Income	(\$6,830)
To record the decrease in net income by the adjustments shown on the income statement.	
Asset Additions	(\$570,396)
To record additions to assets.	
Issuance of Common Stock	\$359,000
To record the sale of an estimated 6,903,846 shares of common stock at \$52.00 per share.	
Issuance of Long-Term Debt	\$233,000
To record the sale of \$233,000,000 of long-term debt, consisting of long-term bonds and bank loans at an estimated rate of 5.00%.	
Dividends on Common Stock	(\$14,774)
To record additional dividends on common stock at the current annual rate of \$2.14.	

Note: Any interest or dividend rate expressed in the pro forma data is for illustrative purposes only and is NOT intended to represent the actual dividend or interest rate that Company's Securities will bear when issued.

**ALLETE, Inc.**  
**FUNDED DEBT**  
*As of DECEMBER 31, 2016*

Class and Series	Date of Issue	Date of Maturity	Par Value	Secured By	Rate (%)	12 Months Ended Interest	Amount Outstanding
<b>First Mortgage Bonds</b>							
Series due 08/01/20	08/01/05	08/01/20	\$35,000,000	MP Utility Property	5.28	\$1,848,000	\$35,000,000
Series due 03/01/36	03/01/06	03/01/36	50,000,000	MP Utility Property	5.69	2,845,000	50,000,000
Series due 02/01/27	02/01/07	02/01/27	60,000,000	MP Utility Property	5.99	3,594,000	60,000,000
Series due 05/01/23	05/14/08	05/01/23	75,000,000	MP Utility Property	6.02	4,515,000	75,000,000
Series due 01/15/16	12/15/08	01/15/16	20,000,000	MP Utility Property	7.70	64,161	0
Series due 01/15/19	01/15/09	01/15/19	42,000,000	MP Utility Property	8.17	3,431,406	42,000,000
Series due 04/15/21	02/17/10	04/15/21	15,000,000	MP Utility Property	4.85	727,500	15,000,000
Series due 04/15/25	02/17/10	04/15/25	30,000,000	MP Utility Property	5.10	1,530,000	30,000,000
Series due 04/15/40	02/17/10	04/15/40	35,000,000	MP Utility Property	6.00	2,100,000	35,000,000
Series due 10/15/25	08/17/10	10/15/25	30,000,000	MP Utility Property	4.90	1,470,000	30,000,000
Series due 04/15/40	08/17/10	04/15/40	45,000,000	MP Utility Property	5.82	2,619,000	45,000,000
Series due 07/15/26	07/02/12	07/15/26	75,000,000	MP Utility Property	3.20	2,400,000	75,000,000
Series due 07/15/42	07/02/12	07/15/42	85,000,000	MP Utility Property	4.08	3,468,000	85,000,000
Series due 04/15/18	04/02/13	04/15/18	50,000,000	MP Utility Property	1.83	915,000	50,000,000
Series due 10/15/28	04/02/13	10/15/28	40,000,000	MP Utility Property	3.30	1,320,000	40,000,000
Series due 10/15/43	04/02/13	10/15/43	60,000,000	MP Utility Property	4.21	2,526,000	60,000,000
Series due 03/15/24	03/04/14	03/15/24	60,000,000	MP Utility Property	3.69	2,214,000	60,000,000
Series due 03/15/44	03/04/14	03/15/44	40,000,000	MP Utility Property	4.95	1,980,000	40,000,000
Series due 07/15/44	06/26/14	07/15/44	40,000,000	MP Utility Property	5.05	2,020,000	40,000,000
Series due 07/15/22	06/26/14	07/15/22	75,000,000	MP Utility Property	3.40	2,550,000	75,000,000
Series due 09/15/21	09/16/14	09/15/21	60,000,000	MP Utility Property	3.02	1,812,000	60,000,000
Series due 09/15/29	09/16/14	09/15/29	50,000,000	MP Utility Property	3.74	1,870,000	50,000,000
Series due 09/15/44	09/16/14	09/15/44	50,000,000	MP Utility Property	4.39	2,195,000	50,000,000
Series due 09/15/20	09/24/15	09/15/20	40,000,000	MP Utility Property	2.80	1,120,000	40,000,000
Series due 09/16/30	09/24/15	09/16/30	60,000,000	MP Utility Property	3.86	2,316,000	60,000,000
<b>Variable Demand Revenue Refunding Bonds</b>							
Series 1997 A due 06/01/20	06/24/97	6/01/20	13,500,000	Unsecured	Variable	65,632	13,500,000
<b>Industrial Revenue Bonds</b>							
Collier County	07/05/06	10/1/25	27,800,000	Unsecured	Variable	125,141	27,800,000
<b>Senior Unsecured</b>							
Series due 06/01/17	06/08/07	06/01/17	50,000,000	Unsecured	5.99	2,995,000	50,000,000
Term Loan	08/25/15	08/25/17	125,000,000	Unsecured	Variable	1,372,018	125,000,000
<b>Subsidiary and Other Obligations</b>						12,285,891	139,810,329
Less due within one year							(187,728,642)
<b>Total Funded Debt - Continuing Operations</b>						<u>\$70,293,749</u>	<u>\$1,370,381,687</u>
Total Interest Paid January 1, 2016 to December 31, 2016 <sup>1</sup>						\$68,243,841	

<sup>1</sup> Different from amount above due to timing of interest payments.

BRIEF DESCRIPTION OF COMPANY'S MORTGAGE AND DEED OF TRUST,  
INCLUDING THE FIRST THROUGH THIRTY-EIGHTH SUPPLEMENTAL INDENTURES:

Company's Mortgage and Deed of Trust was executed on September 20, 1945, as of September 1, 1945, by and between Minnesota Power & Light Company and The Bank of New York Mellon (formerly the Irving Trust Company), the corporate trustee, and Richard H. West, the individual trustee (J. A. Austin, E. J. McCabe, D. W. May, J. A. Vaughn, W. T. Cunningham, Douglas J. MacInnes, Ming Ryan, Philip L. Watson, and Andres Serrano respective successor trustees).

The Mortgage and Deed of Trust has been supplemented and amended by the First through Thirty-eighth Supplemental Indentures (collectively the "Mortgage"). The First Supplemental Indenture was dated as of March 1, 1949, the Second Supplemental Indenture was dated as of July 1, 1951, the Third Supplemental Indenture was dated as of March 1, 1957, the Fourth Supplemental Indenture was dated as of January 1, 1968, the Fifth Supplemental Indenture was dated as of April 1, 1971, the Sixth Supplemental Indenture was dated as of August 1, 1975, the Seventh Supplemental Indenture was dated as of September 1, 1976, the Eighth Supplemental Indenture was dated as of August 1, 1977, the Ninth Supplemental Indenture was dated as of April 1, 1978, the Tenth Supplemental Indenture was dated as of August 1, 1978, the Eleventh Supplemental Indenture was dated as of December 1, 1982, the Twelfth Supplemental Indenture was dated as of April 1, 1987, the Thirteenth Supplemental Indenture was dated as of March 1, 1992, the Fourteenth Supplemental Indenture was dated as of June 1, 1992, the Fifteenth Supplemental Indenture was dated as of July 1, 1992, the Sixteenth Supplemental Indenture was dated as of July 1, 1992, the Seventeenth Supplemental Indenture was dated as of February 1, 1993, the Eighteenth Supplemental Indenture was dated as of July 1, 1993, the Nineteenth Supplemental Indenture was dated as of February 1, 1997, the Twentieth Supplemental Indenture was dated as of November 1, 1997, the Twenty-first Supplemental Indenture was dated as of October 1, 2000, the Twenty-second Supplemental Indenture was dated as of July 1, 2003; the Twenty-third Supplemental Indenture was dated as of August 1, 2004, the Twenty-fourth Supplemental Indenture was dated as of March 1, 2005, the Twenty-fifth Supplemental Indenture was dated as of December 1, 2005; the Twenty-sixth Supplemental Indenture was dated as of October 1, 2006; the Twenty-seventh Supplemental Indenture was dated as of February 1, 2008, the Twenty-eighth Supplemental Indenture was dated as of May 1, 2008, the Twenty-ninth Supplemental Indenture was dated as of November 1, 2008, the Thirtieth Supplemental Indenture was dated as of January 1, 2009, the Thirty-first Supplemental Indenture was dated as of February 1, 2010, the Thirty-second Supplemental Indenture was dated as of August 1, 2010, the Thirty-third Supplemental Indenture was dated as of July 1, 2012, the Thirty-fourth supplemental indenture was dated as of April 1, 2013, the Thirty-fifth Supplemental Indenture was dated as of March 1, 2014, the Thirty-sixth Supplemental Indenture was dated as of June 1, 2014, the Thirty-seventh Supplemental Indenture was dated as of September 1, 2014, and the Thirty-eighth Supplemental Indenture was dated as of September 1, 2015.

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Company has heretofore issued, in accordance with the provisions of the Mortgage, the following series of First Mortgage Bonds:

Series	Issued as of	Principal Amount Issued or Authorized	Principal Amount Outstanding
3 1/8% Series due 1975	September 1, 1945	\$26,000,000	-\$0-
3 1/8% Series due 1979	March 1, 1949	4,000,000	-0-
3 5/8% Series due 1981	July 1, 1951	10,000,000	-0-
4 3/4% Series due 1987	March 1, 1957	12,000,000	-0-
6 1/2% Series due 1998	January 1, 1968	18,000,000	-0-
8 1/8% Series due 2001	April 1, 1971	23,000,000	-0-
10 1/2% Series due 2005	August 1, 1975	35,000,000	-0-
8.7% Series due 2006	September 1, 1976	35,000,000	-0-
8.35% Series due 2007	September 1, 1977	50,000,000	-0-
9.25% Series due 2008	April 1, 1978	50,000,000	-0-
7% Pollution Control Series A	August 1, 1978	111,000,000	-0-
7 3/4% Series due 1994	April 1, 1987	55,000,000	-0-
7 3/8% Series due 1997	March 1, 1992	60,000,000	-0-
7 3/4% Series due 2007	June 1, 1992	55,000,000	-0-
7 1/2% Series due 2007	July 1, 1992	35,000,000	-0-
Pollution Control Series E due 2022	July 15, 1992	111,000,000	-0-
7 % Series due 2008	February 25, 1993	50,000,000	-0-
6 1/4% Series due 2003	July 1, 1993	25,000,000	-0-
7% Series due 2007	February 15, 1997	60,000,000	-0-
6.68% Series due 2007	November 15, 1997	20,000,000	-0-
Floating Rate First Mortgage Bonds due 2003	October 20, 2000	250,000,000	-0-
Floating Rate First Mortgage Bonds due 2004	July 1, 2003	250,000,000	-0-
4.95% Pollution Control Series F due 2022	August 1, 2004	111,000,000	-0-
5.28% Series due 2020	August 1, 2005	35,000,000	35,000,000
5.69% Series due 2036	March 1, 2006	50,000,000	50,000,000
5.99% Series due 2027	February 1, 2007	60,000,000	60,000,000
4.86% Series due 2013	February 1, 2008	60,000,000	-0-
6.02% Series due 2023	May 1, 2008	75,000,000	75,000,000
6.94% Series due 2014	December 15, 2008	18,000,000	-0-
7.70% Series due 2016	December 15, 2008	20,000,000	-0-
8.17% Series due 2019	January 15, 2009	42,000,000	42,000,000
4.85% Series due 2021	February 17, 2010	15,000,000	15,000,000
5.10% Series due 2025	February 17, 2010	30,000,000	30,000,000
6.00% Series due 2040	February 17, 2010	35,000,000	35,000,000
4.90% Series due 2025	August 17, 2010	30,000,000	30,000,000
5.82% Series due 2040	August 17, 2010	45,000,000	45,000,000
3.20% Series due 2026	July 2, 2012	75,000,000	75,000,000
4.08% Series due 2042	July 2, 2012	85,000,000	85,000,000
1.83% Series due 2018	April 2, 2013	50,000,000	50,000,000
3.30% Series due 2028	April 2, 2013	40,000,000	40,000,000
4.21% Series due 2043	April 2, 2013	60,000,000	60,000,000
3.69% Series due 2024	March 4, 2014	60,000,000	60,000,000
4.95% Series due 2044	March 4, 2014	40,000,000	40,000,000
3.40% Series due 2022	June 26, 2014	75,000,000	75,000,000
5.05% Series due 2044	June 26, 2014	40,000,000	40,000,000
3.02% Series due 2021	September 16, 2014	60,000,000	60,000,000
3.74% Series due 2029	September 16, 2014	50,000,000	50,000,000
4.39% Series due 2044	September 16, 2014	50,000,000	50,000,000
2.80% Series due 2020	September 24, 2015	40,000,000	40,000,000
3.86% Series due 2030	September 24, 2015	60,000,000	60,000,000

The amount of Bonds authorized to be issued by the Mortgage is unlimited. Bonds of any Series may be issued from time to time on the basis of (1) 60 percent of property additions after adjustments to offset retirements; (2) retirement of Bonds or certain prior lien Bonds; and (3) deposit of cash with the Trustee. With certain exceptions, in case of (2), the issuance of Bonds required adjusted net earnings before income taxes for 12 out of the preceding 15 months of at least twice the annual interest requirements on all Bonds at the time outstanding, including the proposed additional issue, and on all indebtedness of prior rank.

STATEMENT DESCRIBING THE AMOUNT AND KINDS OF STOCK AUTHORIZED BY  
THE COMPANY'S ARTICLES OF INCORPORATION INCLUDING  
TERMS OF PREFERENCE AS OF THE DATE OF THE FILING OF THIS PETITION

The Company is authorized by its Articles of Incorporation, as amended, to issue 80,000,000 shares of Common Stock, without par value, of which 49,559,532 shares were outstanding as December 31, 2016.

The Company is also authorized to issue 116,000 shares of 5% Preferred Stock of the par value of \$100 each, 1,000,000 shares of Serial Preferred Stock without par value, and 2,500,000 shares of Serial Preferred Stock A, without par value. The Serial Preferred Stock and the Serial Preferred Stock A are hereinafter sometimes referred to collectively as the "Serial Stocks." There are no outstanding shares of the 5% Preferred or the Serial Preferred Stocks. Nonetheless, their terms are described below.

The 5% Preferred Stock and all series of the Serial Stocks are entitled equally, but only when and as declared by the Board of Directors, out of funds legally available for the payment of dividends and in preference to the Common Stock, to dividends at the rate of five percentum (5%) per annum as to the 5% Preferred Stock and at a rate as fixed by resolution of the Board of Directors in establishing the respective series of the Serial Stocks. Dividends as to the 5% Preferred Stock are cumulative as of July 1, 1945, and such dividends, as to each series of the Serial Stocks are cumulative from the first day of the current dividend period within which such shares of Serial Stocks are issued. The 5% Preferred Stock and the Serial Stocks, equally, shall also have a preference over the Common Stock upon any voluntary or involuntary liquidation, dissolution or winding up of the Corporation, or upon any distribution of assets, other than profits, until there shall have been paid, by dividends or distribution, on the 5% Preferred Stock, the full par value thereof and five percentum thereon from July 1, 1945, and on such series of the Serial Preferred Stock, One Hundred Dollars per share plus an amount equal to dividends upon the shares of such series at the rate or rates fixed by the Board of Directors from the date or dates on which dividends on such shares become cumulative and on each series of Serial Preferred Stock A, as stated and expressed in the resolution or resolutions providing for the issue of each such series adopted by the Board of Directors. Neither the 5% Preferred Stock nor the Serial Preferred Stock shall receive any share in any voluntary or involuntary liquidation, dissolution or winding up of this Corporation, of in any distribution of assets in excess of the amounts stated in this paragraph or in the case of the Serial Preferred Stock A, in excess of the amounts stated in the resolution or resolutions providing for the issue of shares of Serial Preferred Stock A.

If and when dividends payable on any of the Preferred Stock shall be in default in any amount equal to four full quarterly payments or more per share, and thereafter until all dividends on any of the preferred stock in default shall have been paid, the holders of all of the then outstanding preferred stocks, voting as a class, shall be entitled to elect the smallest number of directors necessary to constitute a majority of the full Board of Directors, and the holders of the Common Stock, voting as a class, shall be entitled to elect the remaining directors of the Corporation. If and when all dividends then in default on the preferred stocks then outstanding shall be paid (and such dividends shall be declared and paid out of any funds legally available therefore as soon as reasonably practicable), the holders of the preferred stocks shall be divested of any special right with respect to the election of directors and the voting power of the holders of the preferred stocks and the holders of the Common Stock shall revert to the status existing before the first dividend payment date on which dividends on any of the preferred stocks were not paid in full; but always subject to the same provisions for vesting such special rights in the holders of the preferred stock in case of further like defaults on dividends thereon.

**ALLETE, Inc.**  
**DIVIDENDS PAID IN LAST FIVE YEARS**

	<u>CALENDAR 2016</u>	<u>CALENDAR 2015</u>	<u>CALENDAR 2014</u>	<u>CALENDAR 2013</u>	<u>CALENDAR 2012</u>
<b>COMMON DIVIDENDS</b>	\$102,662,259	\$97,895,561	\$83,840,812	\$75,146,332	\$69,054,495
Paid Per Share	\$2.0800	\$2.0200	\$1.9600	\$1.9000	\$1.8400
<b>PREFERRED DIVIDENDS (1)</b>	-				

(1) No preferred stock outstanding.

**ALLETE, Inc.**  
**CONSOLIDATED CASH FLOW - 2016 Actuals**  
Thousands - Unaudited

	Q1 2016	Q2 2016	Q3 2016	Q4 2016	2016
<b>Cash Flows from Operating Activities</b>					
Net Income	\$46,353	\$24,881	\$40,303	\$44,251	\$155,788
AFUDC Equity	(888)	(263)	(529)	(370)	(2,050)
Loss (Income) from Equity Investments, Net of Dividends	(2,846)	19	(2,919)	161	(5,585)
Depreciation Expense	46,797	47,384	47,634	48,756	190,571
Deferred Income Tax Expense	9,292	4,488	1,725	3,847	19,352
<u>Working Capital &amp; Other Assets / Liabilities</u>	<u>(5,479)</u>	<u>(23,573)</u>	<u>5,382</u>	<u>(2,341)</u>	<u>(26,011)</u>
Net Cash Provided by Operations	93,229	52,936	91,596	94,304	332,065
<b>Cash Flows from Investing Activities</b>					
Capital Expenditures	(\$16,557)	(\$33,421)	(\$49,476)	(\$143,372)	(\$242,826)
AFUDC Debt	(323)	(106)	(192)	(130)	(751)
Construction Payables	(25,612)	1,188	4,964	(2,523)	(21,983)
Acquisition of Subsidiaries, Net of Cash Acquired	0	0	0	(5,900)	(5,900)
Changes to Other Investments	(1,165)	3,315	351	2,050	4,551
<u>Other Investing Activities</u>	<u>1,003</u>	<u>(2,166)</u>	<u>(2,510)</u>	<u>(5,661)</u>	<u>(9,334)</u>
Net Cash Used for Investing Activities	(42,654)	(31,190)	(46,863)	(155,536)	(276,243)
<b>Cash Flows from Financing Activities</b>					
Debt Proceeds (Net)	(\$26,640)	(\$3,289)	(\$18,683)	(\$1,494)	(\$50,106)
Common Stock Proceeds	9,001	6,172	11,764	4,029	30,966
Dividends on Common Stock	(25,572)	(25,646)	(25,698)	(25,746)	(102,662)
<u>Other Financing Activities</u>	<u>(7,396)</u>	<u>(4,013)</u>	<u>3,133</u>	<u>4,754</u>	<u>(3,522)</u>
Net Cash provided by (used for) Financing Activities	(50,607)	(26,776)	(29,484)	(18,457)	(125,324)
<b>Net Increase (Decrease) in Cash</b>	<b>(\$32)</b>	<b>(\$5,030)</b>	<b>\$15,249</b>	<b>(\$79,689)</b>	<b>(\$69,502)</b>



**ALLETE, Inc.**  
**CONSOLIDATED CASH FLOW - 2017 Forecasted**  
Thousands - Unaudited

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	2017
<b>Cash Flows from Operating Activities</b>	<b>TRADE SECRET DATA EXCISED</b>												
Net Income													
Depreciation and Amortization													
Deferred Income Taxes and ITC													
AFUDC Equity													
Equity Investments Loss (Income) Net of Dividends													
<u>Working Capital &amp; Other Assets / Liabilities</u>													
Net Cash Provided by Operations													
<b>Cash Flows from Investing Activities</b>													
Capital Expenditures													
AFUDC Debt													
Construction Payables													
<u>Other Investing Activities</u>													
Net Cash Used for Investing Activities													
<b>Cash Flows from Financing Activities</b>													
Debt Proceeds (Net)													
Common Stock Proceeds													
<u>Dividends</u>													
Net Cash provided by (used for) Financing Activities													
<b>Net Increase (Decrease) in Cash</b>													

**ALLETE, Inc.**  
**CONSOLIDATED CASH FLOW - 2018 Forecasted**  
Thousands - Unaudited

JANUARY      FEBRUARY      MARCH      APRIL      MAY      JUNE      2018 YTD

**Cash Flows from Operating Activities**

Net Income  
Depreciation and Amortization  
Deferred Income Taxes and ITC  
AFUDC Equity  
Equity Investments Loss (Income) Net of Dividends  
Working Capital & Other Assets / Liabilities  
Net Cash Provided by Operations

**Cash Flows from Investing Activities**

Capital Expenditures  
AFUDC Debt  
Construction Payables  
Other Investing Activities  
Net Cash Used for Investing Activities

**Cash Flows from Financing Activities**

Debt Proceeds (Net)  
Common Stock Proceeds  
Dividends  
Net Cash provided by (used for) Financing Activities

**Net Increase (Decrease) in Cash**

**TRADE SECRET DATA EXCISED**

**ALLETE, Inc.**  
**Projected Consolidated Sources and Uses of Funds**  
 January 1, 2017 - June 30, 2018  
 (\$ Millions)

<b>Sources of Funds:</b>	<b>2017 Total</b>	<b>6 Months Ending June 30, 2018</b>
Debt Issuances <sup>1</sup>		
Equity Issuances <sup>2</sup>	<b>TRADE SECRET DATA EXCISED</b>	
Internal Cash Generation	<b>TRADE SECRET DATA EXCISED</b>	
Decrease (Increase) in Cash Balances	<b>TRADE SECRET DATA EXCISED</b>	
<b>Total</b>	<b>TRADE SECRET DATA EXCISED</b>	
<b>Uses of Funds:</b>		
<u>Regulated Utility Capital Expenditures</u>		
Generation	\$39	\$38
Transmission	153	85
Distribution/Customer Service/Other	51	22
<b>Total Regulated Utility Operations</b>	<b>\$243</b>	<b>\$145</b>
Non-Regulated Capital Expenditures <sup>3</sup>		
<b>Total Capital Expenditures</b>	<b>TRADE SECRET DATA EXCISED</b>	
Construction Payables (Increase) Decrease	(\$10)	(\$1)
Debt Maturities	188	107
Common Dividends <sup>4</sup>	113	60
<b>Total</b>	<b>TRADE SECRET DATA EXCISED</b>	

<sup>1</sup> Reflects planned change in net debt issuances.

<sup>2</sup> Common equity will be issued to maintain capital structure ratios.

<sup>3</sup> Includes capital expenditures at ALLETE affiliates.

<sup>4</sup> Dividends shown assume the current quarterly dividend rate of 52 cents per share and are not intended to represent the actual dividends paid.

**ALLETE Inc.**  
**Non-Recurring Security Issuances**  
January 1, 2016 - December 31, 2016

Docket Number	Date	Type of Security	Amount of Issuance	Purpose
NA <sup>1</sup>	—	—	—	—

<sup>1</sup>ALLETE had no non-recurring security issuances in 2016.

**ALLETE, Inc.**  
**Consolidated Projected Capital Expenditures**  
 (\$, millions rounded)

	2016 Projections <sup>b</sup>	2016 Actuals	Variance	Projections as of February 15, 2017 <sup>a</sup>				
				2017	2018	2019	2020	2021
<b>Generation</b>								
Boswell 4 Environmental	22	10	(12)	-	1	-	-	-
Other <sup>c</sup>	37	27	(10)	39	75	62	45	37
<b>Generation Total</b>	<b>59</b>	<b>37</b>	<b>(22)</b>	<b>39</b>	<b>76</b>	<b>62</b>	<b>45</b>	<b>37</b>
<b>Transmission</b>								
Other Transmission Rider/Rider-Eligible <sup>d</sup>	25	11	(14)	120	82	84	50	-
Other <sup>e</sup>	41	29	(12)	33	87	79	86	92
<b>Transmission Total</b>	<b>66</b>	<b>40</b>	<b>(26)</b>	<b>153</b>	<b>169</b>	<b>163</b>	<b>136</b>	<b>92</b>
<b>Distribution/Customer Service/Other <sup>f</sup></b>	<b>41</b>	<b>45</b>	<b>4</b>	<b>51</b>	<b>54</b>	<b>41</b>	<b>46</b>	<b>38</b>
<b>Distribution Total</b>	<b>41</b>	<b>45</b>	<b>4</b>	<b>51</b>	<b>54</b>	<b>41</b>	<b>46</b>	<b>38</b>
<b>Total Regulated Utility Operations</b>	<b>166</b>	<b>122</b>	<b>(44)</b>	<b>243</b>	<b>299</b>	<b>266</b>	<b>227</b>	<b>167</b>
Non-Regulated Capital Expenditures <sup>g</sup>								
<b>Total Capital Expenditures</b>								

**TRADE SECRET DATA EXCISED**

- a** Amounts include AFUDC
- b** 2016 Projection amounts as reported in Minnesota Power's 2016 Capital Structure Filing (Docket No. E015/S-16-165)
- c** Includes costs related to hydro system flood repairs and ongoing generation upkeep
- d** Includes costs related to construction of the Great Northern Transmission Line
- e** Includes capital costs to comply with NERC reliability standards and ongoing transmission upkeep
- f** Includes capital expenditures at Superior Water, Light & Power and ongoing distribution upkeep
- g** Includes capital expenditures, acquisitions, and investments at ALLETE's affiliates

### **Consolidated Projected Capital Expenditures**

Capital expenditures included in the table above are consolidated capital expenditures for ALLETE and its subsidiaries; however, specific references are made to Minnesota Power's capital investments because the Company continues to operate its electric operations under the name of Minnesota Power (refer to Section III.C of this Petition for further detail on the Petitioner's Name). Discussion related to several significant projects is included below. Due to the proprietary nature of the expenditures, the Company has designated as trade secret the Non-Regulated Capital Expenditures and Total Capital Expenditures.

#### **Generation**

Minnesota Power's capital investment plan includes investments to meet safety, environmental, regulatory, and system reliability objectives. In addition, these expenditures include costs associated with repairs at Minnesota Power's St. Louis River hydro system which was damaged by flooding in June 2012. When comparing the 2016 Projected Generation Capital Expenditures to the 2016 actual investment, the Company experienced variances due to reduced costs for the Boswell 4 environmental project and base generation projects.

***Boswell 4 Environmental:*** Minnesota Power implemented a mercury emissions reduction project for Boswell Unit 4 in order to comply with the Minnesota Mercury Emissions Reductions Act (MERA) and the Federal Mercury and Air Toxics (MATS) rule. Construction on the project to implement the Boswell Unit 4 mercury emission reduction plan was completed in 2015. Additional environmental capital expenditures at Boswell Unit 4 are related to ash management projects.

#### **Transmission**

Additional investment is planned for Minnesota Power's existing facilities to maintain and expand its system to address reliability and load growth. The Company also plans to invest in transmission opportunities that strengthen or enhance the transmission grid or take advantage of our geographical location between sources of renewable energy and end users. When comparing the 2016 Projected Transmission Capital Expenditures to the 2016 actual investment, the Company experienced variances due to a shift in costs related to the Great Northern Transmission Line and reduced costs for NERC reliability standards.

Other Transmission Rider/Rider-Eligible expenditures include construction costs for the Great Northern Transmission Line (GNTL) proposed by Minnesota Power and Manitoba Hydro in February 2012. The GNTL is planned to be an approximately 220-mile, 500 kV transmission line between Manitoba and Minnesota's Iron Range. In 2013, a certificate of need application was filed with the MPUC which was approved in a June 2015 order. In 2014, Minnesota Power filed a route permit application with the MPUC and a request for a presidential permit to cross the U.S.-Canadian border with the U.S. Department of Energy. In an order dated April 11, 2016, the MPUC approved the route permit which largely follows Minnesota Power's preferred route, including the international border crossing, and on November 16, 2016, the U.S. Department of Energy issued a presidential permit, which was the final major regulatory approval needed before construction in the U.S. can begin in early 2017. Construction is expected to be completed in 2020, and total project cost in the U.S.

is estimated to be between \$560 million and \$710 million. Minnesota Power is expected to have majority ownership of the transmission line.

**Distribution**

Additional investment is planned for Minnesota Power's existing facilities to maintain and expand its system to address reliability. When comparing the 2016 Projected Distribution Capital Expenditures to the 2016 actual investment, the Company did not experience any significant variances.

**Non-Regulated Capital Expenditures**

When comparing the 2016 Projected Non-Regulated Capital Expenditures to the 2016 actual investment, the Company experienced a variance due to the deferral of initiatives.