## \$500,000,000

## **Interstate Power and Light Company**

4.100% Senior Debentures due 2028

We will pay interest on the senior debentures semi-annually in arrears on March 26 and September 26 of each year, beginning on March 26, 2019. The senior debentures will mature on September 26, 2028. We may redeem some or all of the senior debentures at any time and from time to time at the applicable redemption price described in this prospectus supplement.

The senior debentures will be our unsecured senior obligations and rank equally with our other unsecured senior indebtedness from time to time outstanding. The senior debentures will be issued only in registered form in minimum denominations of \$2,000 and integral multiples of \$1,000 in excess thereof. The senior debentures are a new issue of securities with no established trading market. We currently have no intention to apply to list the senior debentures on any securities exchange or to seek their admission to trading on any automated quotation system.

Investing in the senior debentures involves risks. See "Risk Factors" beginning on page S-5 of this prospectus supplement and page 14 of our Annual Report on Form 10-K for the year ended December 31, 2017, as such discussion may be amended or updated in other reports filed by us with the U.S. Securities and Exchange Commission, or the SEC. The Risk Factors included in our Annual Report on Form 10-K, as amended or updated, are incorporated by reference herein.

	Debenture	Total
Public offering price (1)	99.748%	\$498,740,000
Underwriting discount	0.65%	\$ 3,250,000
Proceeds, before expenses, to Interstate Power and Light Company (1)	99.098%	\$495,490,000

<sup>(1)</sup> Plus accrued interest, if any, from September 26, 2018, if settlement occurs after that date.

Neither the SEC nor any state securities commission has approved or disapproved of these securities or determined if this prospectus supplement or the accompanying prospectus is truthful or complete. Any representation to the contrary is a criminal offense.

The senior debentures will be available for delivery in book-entry form only through The Depository Trust Company, or DTC, on or about September 26, 2018.

Joint Book-Running Managers

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## ABOUT THIS PROSPECTUS SUPPLEMENT

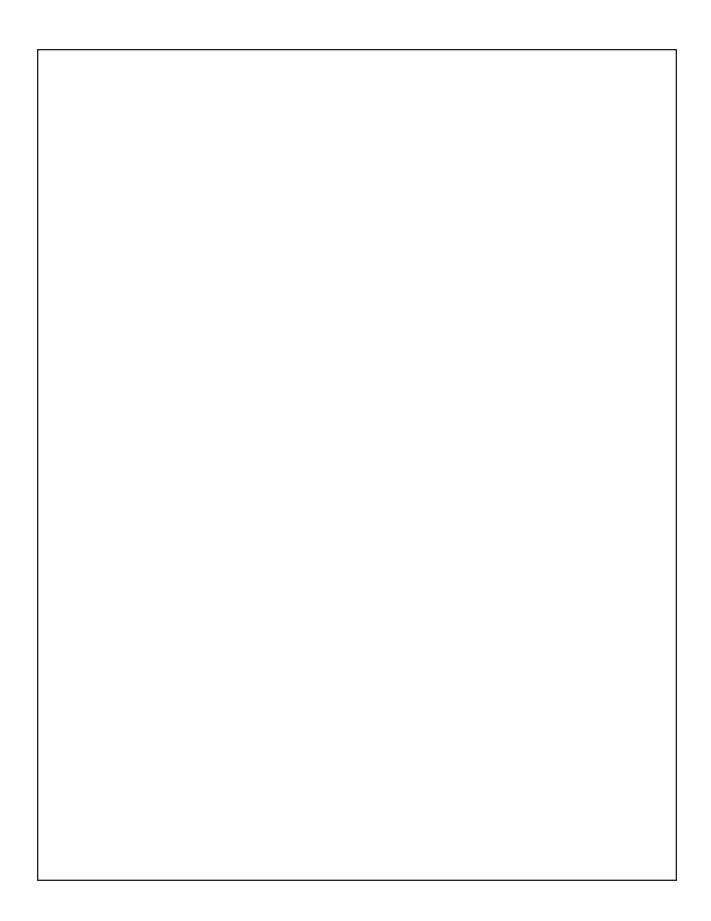
This document is in two parts. The first part is this prospectus supplement, which describes the specific terms of this offering. The second part, the accompanying prospectus, gives more general information, some of which may not apply to this offering. You should read the entire prospectus supplement, as well as the accompanying prospectus and the documents incorporated by reference that are described under "Where You Can Find More Information" in the accompanying prospectus. Some of these documents, however, are filed on a

## FORWARD-LOOKING STATEMENTS

This prospectus supplement, the accompanying prospectus and the information incorporated by reference herein or therein contain forward-looking statements intended to qualify for the safe harbors from liability

• issues associated with environmental remediation and environmental compliance, including compliance with the consent decree between us, the United States of America Environmental Protection Agency, or the EPA, the Sierra Club, the State of Iowa and Linn County in Iowa, the Coal Combustion Residuals Rule, the Clean Power Plan, future changes in environmental laws and

- the impacts of adjustments made to deferred tax assets and liabilities from changes in the tax laws;
- changes to the creditworthiness of counterparties with which we have contractual arrangements, including participants in the energy markets and fuel suppliers and transporters;
- current or future litigation, regulatory investigations, proceedings or inquiries;
- reputational damage from negative publicity, protests, fines, penalties and other negative consequences



The Offering
The following is a brief summary of some of the terms of this offering. For a more complete description of the terms of the senior debentures, see "Description of Senior Debentures" in this prospectus supplement and "Description of Debt Securities" in the accompanying prospectus.
Issuer Interstate Power and Light Company
Senior debentures offered

	discount and estimated offering expenses payable by us. An amount equal to or in excess of the net proceeds from this offering will be or have been used for construction and development of Eligible Green Projects (as defined in this prospectus supplement) as described unde "Use of Proceeds."
Denominations	The senior debentures will be issued in minimum denominations of \$2,000 and integral multiples of \$1,000 in excess thereof.
Risk factors	You should read "Risk Factors" on page S-5 of this prospectus supplement, on page 4 of the accompanying prospectus and in the documents incorporated by reference herein for a discussion of certain risks that prospective investors should consider before investing in the senior debentures.

### **Summary Consolidated Financial Information**

The summary consolidated financial information below was selected or derived from our consolidated financial statements. The unaudited interim period financial information, in our opinion, includes all adjustments, which are normal and recurring in nature, necessary for a fair presentation for the periods shown. Results for the six months ended June 30, 2018 are not necessarily indicative of results to be expected for the full fiscal year. The information set forth below is qualified in its entirety by and should be read in conjunction with our Management's Discussion and Analysis of Financial Condition and Results of Operations and our consolidated financial statements and related notes incorporated by reference into this prospectus supplement and the accompanying prospectus. See "Where You Can Find More Information" in the accompanying prospectus.

	Year Ended December 31,		Six Months Ended June 30,		
	2015	2016	2017	2017	2018
			(In millions)		
Income Statement Data:					
Revenues	\$1,774.5	\$1,820.4	\$1,870.3	\$870.7	\$1,000.6
Operating income (a)	241.5	277.6	304.1	119.4	153.3
Net income	196.2	225.8	227.0	85.1	103.5
Earnings available for common stock	186.0	215.6	216.8	80.0	98.4

(a) Amounts reflect our adoption of an accounting standard amending the income statement presentation of the components of net periodic benefit costs for defined benefit pension and other postretirement plans. The standard requires entities to (1) disaggregate the current service cost component from the other components of net periodic benefit costs and present it with other employee compensation costs in the income statement, and (2) include the other components in the income statement outside of operating income. We adopted this standard on January 1, 2018, used the retrospective method of adoption for the presentation requirements and used the actual net periodic benefit costs adjusted for approximately 40% of net periodic benefit costs allocated to capital projects. The change in presentation increased (decreased) our operating income by (\$0.4) million, \$6.8 million and \$7.2 million for 2015, 2016 and 2017, respectively, compared to amounts previously reported.

	As of December 31,		As of June 30,	
	2016	2017	2018	
		(In millions)		
Balance Sheet Data:				
Current assets	\$ 422.5	\$ 476.0	\$ 430.4	
Property, plant and equipment, net	5,435.6	5,926.2	6,193.3	
Other non-current assets	1,446.6	1,203.8	1,226.0	
Current liabilities	521.8	827.7	815.7	
Long-term debt, net (excluding current portion)	2,153.5	2,056.0	2,181.8	
Other non-current liabilities	2,180.4	2,012.6	1,998.1	

#### RISK FACTORS

Investing in the senior debentures involves risk. You should carefully consider the following risk factors together with all the other information contained in this prospectus supplement or the accompanying prospectus or incorporated by reference in this prospectus supplement or the accompanying prospectus. You should also consider the risks and uncertainties discussed under the caption "Risk Factors" included in our Annual Report on Form 10-K for the year ended December 31, 2017, which is incorporated by reference in this prospectus supplement and the accompanying prospectus, and which may be amended, supplemented or superseded from time to time by other reports we file with the SEC in the future.

Absence of market for the senior debentures - The senior debentures are a new issue of securities with no established trading market. We currently have no intention to apply to list the senior debentures on any securities exchange or to seek their admission to trading on any automated quotation system. Accordingly, we cannot provide any assurance as to the development or liquidity of any market for the senior debentures. See "Underwriting." Furthermore, the market price for the senior debentures may be adversely impacted by fluctuations in interest rates.

The senior debentures may not be a suitable investment for all investors seeking exposure to green assets - While we intend to use an amount equal to or in excess of the net proceeds of this offering for construction and development of Eligible Green Projects as described under the caption "Use of Proceeds," there can be no assurance that the expenditures funded with the proceeds from the senior debentures will meet every

#### **USE OF PROCEEDS**

We expect to receive net proceeds from this offering of approximately \$494.5 million, after deducting the underwriting discount and estimated offering expenses payable by us. An amount equal to or in excess of the net proceeds from this offering will be or have been used for construction and development of wind and solar electric generating facilities, or Eligible Green Projects.

Eligible Green Projects may include both projects with disbursements made during the 24 months preceding the issue date of the senior debentures and projects with disbursements to be made at any time following the issue date of the senior debentures up to the maturity date of the senior debentures.

#### **Management of Net Proceeds**

Since a portion of the disbursements for Eligible Green Projects to be made from the net proceeds from this offering have not yet been made, until such disbursements are made, we intend to use the proceeds to reduce outstanding commercial paper or reduce outstanding capital under our receivables purchase and sale program, or we may place the proceeds in short-term instruments. As of August 31, 2018, our outstanding commercial paper classified as long-term debt had an interest rate of 2.23% and a remaining maturity of six days. As of August 31, 2018, our outstanding receivables purchase and sale program had an annualized commercial paper yield rate of 2.29%. Payment of principal and interest on the senior debentures will be made from our general funds and will not be directly linked to the performance of any Eligible Green Project. We intend to make disbursements of an amount equal or in excess of to the net proceeds from this offering for Eligible Green Projects within six months of the date of issuance of the senior debentures.

#### Reporting

Within one year of the issuance of the senior debentures and annually until the disbursement of an amount equal to or in excess of the net proceeds from this offering for Eligible Green Projects, we will provide the following information on Alliant Energy Corporation's corporate website:

- brief project descriptions and the amounts disbursed to Eligible Green Projects up to and including the reporting period; and
- the outstanding amount of net proceeds yet to be disbursed to Eligible Green Projects at the end of the reporting period.

We will also provide on Alliant Energy Corporation's corporate website (1) a report with an assertion by management regarding the amounts disbursed for Eligible Green Projects during the reporting period and (2) an attestation report from an independent accountant in respect of the independent accountant's examination of management's assertion conducted in accordance with attestation standards established by the American Institute of Certified Public Accountants.

Information contained on our website or any website of Alliant Energy Corporation is not and should not be deemed a part of this prospectus supplement, the accompanying prospectus or any other documents incorporated by reference herein and therein.

## CAPITALIZATION

The following table sets forth our consolidated capitalization as of June 30, 2018 on an actual basis and as	

#### THE COMPANY

We are a public utility primarily serving retail customers in Iowa. We are engaged principally in:

- the generation and distribution of electricity to retail customers in select markets in Iowa;
- the distribution and transportation of natural gas to retail customers in select markets in Iowa;
- the sale of electricity to wholesale customers in Minnesota, Illinois and Iowa; and
- the generation and distribution of steam for two customers in Cedar Rapids, Iowa, and various other energy-related products and services.

As of December 31, 2017, we served approximately 490,000 retail electric customers and 220,000 retail natural gas customers.

All of our common stock is owned by Alliant Energy Corporation, a regulated investor-owned public utility holding company with subsidiaries, including us, serving primarily electricity and natural gas customers in the Midwest.

As of June 30, 2018, giving pro forma effect to this offering and our expected use of the net proceeds of the offering, we would have had \$2,556.8 million aggregate principal amount of unsecured long-term debt outstanding (excluding current portion).

### **Optional Redemption**

At any time or from time to time prior to June 26, 2028, or the Par Call Date, the senior debentures will be redeemable as a whole or in part, at our option, at a redemption price equal to the greater of (i) 100% of the principal amount of such senior debentures and (ii) the sum, as determined by the Independent Investment Banker and delivered to the trustee, of the present values of the remaining scheduled payments of principal and interest thereon that would be due if the senior debentures matured on the Par Call Date (exclusive of interest accrued to the date of redemption) discounted to the redemption date on a semiannual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate plus 20 basis points, plus in each case accrued and unpaid interest, if any, to, but excluding, the redemption date. At any time on or after June 26, 2028, the senior debentures will be redeemable as a whole or in part, at our option, at a redemption price equal to 100% of the principal amount of the senior debentures being redeemed plus accrued and unpaid interest, if any, to, but excluding, the redemption date.

"Comparable Treasur Issue" means the United States Treasury security or securities selected by an Independent Investment Banker as having an actual or interpolated maturity comparable to the remaining term of the senior debentures (assuming for this purpose that the senior debentures matured on the applicable Par Call Date) to be redeemed that would be utilized, at the time of selection and in accordance with customary financial practice, in pricing new issues of corporate debt securities of a comparable maturity to the remaining term of such senior debentures.

"Comparable Treasur Price" means, with respect to any redemption date, (A) the average of the Reference Treasury Dealer Quotations for such redemption date, after excluding the highest and lowest such Reference Treasury Dealer Quotations, or (B) if the Independent Investment Banker obtains fewer than four such Reference Treasury Dealer Quotations, the average of all such quotations.

"Independent In estment Banker" means one of the Reference Treasury Dealers appointed by us.

"Reference Treasur Dealer" means each of (i) Goldman Sachs & Co. LLC and Wells Fargo Securities, LLC, and their respective successors, (ii) a primary U.S. Government securities dealer located in the United States (a "Primary Treasury Dealer") selected by MUFG Securities Americas Inc. or one of its affiliates, and (iii) a Primary Treasury Dealer selected by us, and such Primary Treasury Dealers' respective successors that we specify from time to time; provided, however, that if any of the foregoing or their affiliates cease to be a Primary Treasury Dealer, we will substitute therefor another Primary Treasury Dealer.

"Reference Treasury Dealer Quotations" means, with respect to each Reference Treasury Dealer and any redemption date, the average, as determined by the Independent Investment Banker, of the bid and asked prices for the Comparable Treasury Issue (expressed in each case as a percentage of its principal amount) quoted in writing to the Independent Investment Banker by the Reference Treasury Dealers at 3:30 p.m. New York time on the third business day preceding such redemption date.

"Treasur Rate" means, with respect to any redemption date, the rate per annum equal to the semiannual equivalent yield to maturity or interpolated (on a day count basis) of the Comparable Treasury Issue, assuming a price for the Comparable Treasury Issue (expressed as a percentage of its principal amount) equal to the Comparable Treasury Price for such redemption date.

Notice of any redemption will be mailed or sent electronically pursuant to applicable DTC procedures at least 30 days but not more than 60 days before the redemption date to each holder of senior debentures to be redeemed. If the senior debentures to be redeemed are not global securities then held by DTC, the senior debentures to be redeemed will be selected by the trustee pursuant to the indenture.

Unless we default in payment of the redemption price, on and after the redemption date interest will cease to accrue on the senior debentures or portions thereof called for redemption.

#### The Trustee

The Bank of New York Mellon Trust Company, N.A., will act as trustee, registrar, transfer agent and paying agent for the senior debentures. We can appoint a successor trustee so long as no event which is, or after notice or lapse of time would become, an event of default shall have occurred and be continuing.

We and certain of our affiliates maintain banking and other business relationships in the ordinary course of business with the trustee and its affiliates. In addition, the trustee and certain of its affiliates may serve as trustee for other securities issued by us or by our affiliates.

To the extent provided in the indenture, the trustee will have a prior claim on amounts held by it under the indenture for the payment of its compensation and expenses and for the repayment of advances made by it to effect performance of some covenants in the indenture.

#### **Book-Entry Delivery and Settlement**

We will issue the senior debentures in the form of one or more global certificates, which we refer to as global securities. We will deposit the global securities with or on behalf of DTC, and registered in the name of Cede & Co., as nominee of DTC, or else the global securities will remain in the custody of the trustee in accordance with the FAST Balance Certificate Agreement between DTC and the trustee.

#### DTC has advised us that:

- DTC is a limited-purpose trust company organized under the New York Banking Law, a "banking organization" within the meaning of the New York Banking Law, a member of the Federal Reserve System, a "clearing corporation" within the meaning of the New York Uniform Commercial Code and a "clearing agency" registered under Section 17A of the Securities Exchange Act of 1934;
- DTC holds securities that its direct participants deposit with DTC and facilitates the settlement among
  direct participants of securities transactions, such as transfers and pledges, in deposited securities
  through electronic computerized book-entry changes in direct participants' accounts, thereby
  eliminating the need for physical movement of securities certificates;
- direct participants include securities brokers and dealers, banks, trust companies, clearing corporations and other organizations;
- DTC is a wholly-owned subsidiary of The Depository Trust & Clearing Corporation, which is owned by the users of its regulated subsidiaries;
- access to the DTC system is also available to indirect participants such as securities brokers and
  dealers, banks, trust companies and clearing corporations that clear through or maintain a custodial
  relationship with a direct participant, either directly or indirectly; and
- the rules applicable to DTC and its direct and indirect participants are on file with the SEC.

We have provided the following descriptions of the operations and procedures of DTC solely as a matter of convenience. These operations and procedures are solely within the control of DTC and are subject to change by them from time to time. Neither we, the underwriters nor the trustee take any responsibility for these operations or procedures, and you are urged to contact DTC or its participants directly to discuss these matters.

We expect that under procedures established by DTC:

upon deposit of the global securities with DTC or its custodian, DTC will credit on its internal system
the accounts of direct participants designated by the underwriters with portions of the principal
amounts of the global securities; and

 ownership of the senior debentures will be shown on, and the transfer of ownership of the senior debentures will be effected only through, records maintained by DTC or its nominee, with respect to interests of direct participants, and the records of direct and indirect participants, with respect to interests of persons other than participants.

The laws of some jurisdictions require that purchasers of securities take physical delivery of those securities in the form of a certificate. For that reason, it may not be possible to transfer interests in a global security to those persons. In addition, because DTC can act only on behalf of its participants, who in turn act on behalf of persons who hold interests through participants, the ability of a person having an interest in a global security to pledge or transfer that interest to persons or entities that do not participate in DTC's system, or otherwise to take actions in respect of that interest, may be affected by the lack of a physical definitive security in respect of that interest.

So long as DTC or its nominee is the registered owner of a global security, DTC or that nominee will be considered the sole owner or holder of the senior debentures represented by that global security for all purposes under the indenture and under the senior debentures. Except as described below, owners of beneficial interests in a global security will not be entitled to have senior debentures represented by that global security registered in their names, will not receive or be entitled to receive the senior debentures in the form of a physical certificate and will not be considered the owners or holders of the senior debentures under the indenture or under the senior debentures, and may not be entitled to give the trustee directions, instructions or approvals. Any notices required to be given to the holders while the senior debentures are global securities will be given to DTC. For that reason, each holder owning a beneficial interest in a global security must rely on DTC's procedures and, if that holder is not a direct or indirect participant in DTC, on the procedures of the DTC participant through which that holder owns its interest, to exercise any rights of a holder of senior debentures under the indenture or the global security.

Neither we nor the trustee will have any responsibility or liability for any act or omission by DTC, including any aspect of DTC's records relating to the senior debentures or relating to payments made by DTC on account of the senior debentures, or any responsibility to maintain, supervise or review any of DTC's records relating to the senior debentures.

We will make payments on the senior debentures represented by the global securities to DTC or its nominee, as the registered owner of the senior debentures. We expect that when DTC or its nominee receives any payment on the senior debentures represented by a global security, DTC will credit participants' accounts with payments in amounts proportionate to their beneficial interests in the global security as shown in DTC's records. We also expect that payments by DTC's participants to owners of beneficial interests in the global security held through those participants will be governed by standing instructions and customary practice as is now the case with securities held for the accounts of customers registered in the names of nominees for such customers. DTC's participants will be responsible for those payments.

Payments on the senior debentures represented by the global securities will be made in immediately available funds. Transfers between participants in DTC will be made in accordance with DTC's rules and will be settled in immediately available funds.

#### **Certificated Senior Debentures**

We will issue certificated senior debentures to each person that DTC identifies as the beneficial owner of senior debentures represented by the global securities upon surrender by DTC of the global securities only if:

- DTC notifies us that it is no longer willing or able to act as a depositary for the global securities, and we have not appointed a successor depositary within 90 days of that notice;
- an event of default with respect to the senior debentures has occurred and is continuing; or
- we decide not to have the senior debentures represented by a global security.

Neither we nor the trustee will be liable for any delay by DTC, its nominee or any direct or indirect participant in identifying the beneficial owners of the related senior debentures. We and the trustee may conclusively rely on, and will be protected in relying on, instructions from DTC or its nominee, including instructions about the registration and delivery, and the respective principal amounts, of the senior debentures to be issued.

#### **UNDERWRITING**

Goldman Sachs & Co. LLC, MUFG Securities Americas Inc. and Wells Fargo Securities, LLC are acting as representatives of each of the underwriters named below. Subject to the terms and conditions set forth in an underwriting agreement among us and the representatives of the underwriters, we have agreed to sell to the underwriters, and each of the underwriters severally and not jointly has agreed to purchase from us, the principal amount of senior debentures set forth opposite its name below.

Underwriters	Principal Amount of Senior Debentures
Goldman Sachs & Co. LLC	\$133,334,000
MUFG Securities Americas Inc.	133,333,000
Wells Fargo Securities, LLC	133,333,000
Comerica Securities, Inc.	25,000,000
KeyBanc Capital Markets Inc.	25,000,000
U.S. Bancorp Investments, Inc.	25,000,000
Mischler Financial Group, Inc.	12,500,000
Samuel A. Ramirez & Company, Inc.	12,500,000
Total	\$500,000,000

The underwriters have agreed, subject to the terms and conditions contained in the underwriting agreement, to purchase all of the senior debentures sold under the underwriting agreement if any of these senior debentures are purchased. If an underwriter defaults, the underwriting agreement provides that the purchase commitments of the non-defaulting underwriters may be increased or the underwriting agreement may be terminated.

The underwriters are offering the senior debentures, subject to prior sale, when, as and if issued to and accepted by them, subject to approval of legal matters by their counsel, including the validity of the senior debentures, and other conditions contained in the underwriting agreement, such as the receipt by the underwriters

**Commissions and Discounts** 

Neither we nor any of the underwriters makes any representation or prediction as to the direction or magnitude of any effect that the transactions described above may have on the price of the senior debentures. In addition, neither we nor any of the underwriters makes any representation that the representatives will engage in these transactions or that these transactions, once commenced, will not be discontinued without notice.

#### **Other Relationships**

The underwriters and their respective affiliates are full service financial institutions engaged in various activities, which may include sales and trading, commercial and investment banking, advisory, investment management, investment research, principal investment, hedging, market making, brokerage and other financial and non-financial activities and services. Certain of the underwriters and their respective affiliates have provided, and may in the future provide, a variety of these services to the issuer and to persons and entities with relationships with the issuer, for which they received or will receive customary fees and expenses. In particular, affiliates of each of Goldman Sachs & Co. LLC, MUFG Securities Americas Inc., Wells Fargo Securities, LLC, Comerica Securities, Inc., KeyBanc Capital Markets Inc. and U.S. Bancorp Investments, Inc. are lenders under our credit facility.

In the ordinary course of their various business activities, the underwriters and their respective affiliates, officers, directors and employees may purchase, sell or hold a broad array of investments and actively trade securities, derivatives, loans, commodities, currencies, credit default swaps and other financial instruments for their own account and for the accounts of their customers, and such investment and trading activities may involve or relate to assets, securities and/or instruments of ours (directly, as collateral securing other obligations or otherwise) and/or persons and entities with relationships with us. If any of the underwriters or their affiliates have a lending relationship with us, certain of those underwriters or their affiliates routinely hedge, and certain other of those underwriters may hedge, their credit exposure to us consistent with their customary risk management policies. Typically, these underwriters and their affiliates would hedge such exposure by entering into transactions which consist of either the purchase of credit default swaps or the creation of short positions in our securities, including potentially the senior debentures offered hereby. Any such credit default swaps or short positions could adversely affect future trading prices of the senior debentures offered hereby. The underwriters and their respective affiliates may also communicate independent investment recommendations, market color or trading ideas and/or publish or express independent research views in respect of such assets, securities or instruments and may at any time hold, or recommend to clients that they should acquire, long and/or short positions in such assets, securities and instruments.

#### **Selling Restrictions**

European Economic Area

The senior debentures are not intended to be offered, sold or otherwise made available to and should not be offered, sold or otherwise made available to any retail investor in the European Economic Area, or EEA. For these purposes, a retail investor means a person who is one (or more) of: (i) a retail client as defined in point (11) of Article 4(1) of Directive 2014/65/EU, as amended, or the MiFID II; or (ii) a customer within the meaning of Directive 2002/92/EC, as amended, where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or (iii) not a qualified investor as defined in Directive 2003/71/EC, as amended. Consequently no key information document required by Regulation (EU) No 1286/2014, as amended, or the PRIIPs Regulation, for offering or selling the senior debentures or otherwise making them available to retail investors in the EEA has been prepared and therefore offering or selling the senior debentures or otherwise making them available to any retail investor in the EEA may be unlawful under the PRIIPS Regulation.

United Kingdom

Each underwriter has represented and agreed that:

(a) it has only communicated or caused to be communicated and will only communicate or cause to be communicated an invitation or inducement to engage in investment activity (within the meaning of

and interest (howsoever described) in that trust shall not be transferable for 6 months after that trust has acquire	ed

#### **LEGAL MATTERS**

The validity of the senior debentures will be passed upon for us by Perkins Coie LLP. Certain legal matters relating to Iowa law will be passed upon for us by Simmons Perrine Moyer Bergman PLC. The underwriters have been represented by Gibson, Dunn & Crutcher LLP.

#### **EXPERTS**

The consolidated financial statements, and the related financial statement schedule, incorporated in this prospectus supplement and the accompanying prospectus by reference from Interstate Power and Light Company's Annual Report on Form 10-K for the year ended December 31, 2017 have been audited by Deloitte & Touche LLP, an independent registered public accounting firm, as stated in their report, which is incorporated herein by reference. Such consolidated financial statements and financial statement schedule have been so incorporated in reliance upon the report of such firm given upon their authority as experts in accounting and auditing.

# **Interstate Power and Light Company**

Preferred Stock
Debt Securities

We may offer and sell from time to time, in one or more issuances in amounts, at prices and on terms

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## ABOUT THIS PROSPECTUS

References in this prospectus to "we," "us" and "our" refer to Interstate Power and Light Company, unless the context otherwise requires.

This prospectus is part of a registration statement that we filed with the Securities and Exchange

#### FORWARD-LOOKING STATEMENTS

This prospectus, any prospectus supplement and the information incorporated by reference herein and therein contain forward-looking statements intended to qualify for the safe harbor from liability established by the Private Securities Litigation Reform Act of 1995. All statements, other than statements of historical fact, included in this prospectus or any prospectus supplement or incorporated by reference herein or therein, including statements regarding anticipated financial performance, business strategy and management's plans and objectives for future operations, are forward-looking statements. These forward-looking statements can be identified as such because the statements generally include words such as "may," "believe," "expect," "anticipate," "plan," "project," "will," "projections," "estimate," or other words of similar import. These forward-looking statements are subject to certain risks and uncertainties that could cause actual results to differ materially from those expressed in, or implied by, these statements. Readers are cautioned not to place undue reliance on these forward-looking statements. All forward-looking statements included in this prospectus, any prospectus supplement or in a document incorporated by reference herein or therein speak only as of the date of this prospectus, the applicable prospectus supplement or the document incorporated by reference, as the case may be. Additional information concerning factors that could cause actual results to differ materially from those in the forward-looking statements is contained under "Risk Factors" on page 4 of this prospectus and other documents that we file from time to time with the SEC that are incorporated by reference into this prospectus and any prospectus supplement. Numerous important factors described in this prospectus, any prospectus supplement and/or any document incorporated by reference in this prospectus and/or any prospectus supplement could affect these statements and could cause actual results to differ materially from our expectations. We assume no obligation, and disclaim any duty, to update or revise publicly any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

#### INTERSTATE POWER AND LIGHT COMPANY

We are a public utility primarily serving retail customers in Iowa. We are engaged principally in:

- the generation and distribution of electricity to retail customers in select markets in Iowa;
- the distribution and transportation of natural gas to retail customers in select markets in Iowa;
- the sale of electricity to wholesale customers in Minnesota, Illinois and Iowa; and
- the generation and distribution of steam for two customers in Cedar Rapids, Iowa, and various other energy-related products and services.

All of our common stock is owned by Alliant Energy Corporation, a regulated investor-owned public utility holding company with subsidiaries, including us, serving primarily electricity and natural gas customers in the Midwest.

We are subject to the jurisdiction of the Iowa Utilities Board. We are also subject to the jurisdiction of the Federal Energy Regulatory Commission. Our parent corporation, Alliant Energy Corporation, is a "holding company" and we are a "subsidiary company" within the Alliant Energy Corporation "holding company system"

## RISK FACTORS

Investing in our securities involves risk. You should carefully consider the specific risks discussed or incorporated by reference in the applicable prospectus supplement, together with all the other information

## RATIO OF EARNINGS TO FIXED CHARGES AND RATIO OF EARNINGS TO COMBINED FIXED CHARGES AND PREFERRED DIVIDEND REQUIREMENTS

The following table shows our ratio of earnings to fixed charges and ratio of earnings to combined fixed charges and preferred dividend requirements for the periods presented:

	<b>Y</b>	Year End	ded Dece	ember 3	1,	Nine Months Ended September 30,
	2012	2013	2014	2015	2016	2017
Ratio of earnings to fixed charges	2.64	2.85	2.57	2.78	3.12	3.26
Ratio of earnings to combined fixed charges and preferred						
dividend requirements	2.34	2.57	2.37	2.55	2.85	3.01

#### **USE OF PROCEEDS**

Unless we inform you otherwise in the applicable prospectus supplement, we intend to use the net proceeds from the sale of the securities for general corporate purposes, which may include repayment or refinancing of debt, acquisitions, working capital, capital expenditures, investments and repurchases and redemptions of securities. Net proceeds may be temporarily invested prior to use.

• a discussion of certain material U.S. federal income tax considerations, if any, applicable to the preferred stock.

All shares of our preferred stock will, when issued, be fully paid and nonassessable and will not have any preemptive or similar rights.

#### Ranking

The preferred stock will rank, with respect to dividends and upon our liquidation, dissolution or winding up:

- senior to all classes or series of our common stock and to all of our equity securities ranking junior to the preferred stock;
- on a parity with all of our equity securities the terms of which specifically provide that the equity securities rank on a parity with the preferred stock; and
- junior to all of our equity securities the terms of which specifically provide that the equity securities rank senior to our preferred stock.

#### DESCRIPTION OF DEBT SECURITIES

The follo ing description of our debt securities sets forth certain general terms and pro isions of the debt securities to hich an prospectus supplement ma relate. The follo ing description does not purport to be complete and is subject to, and is qualified in its entiret b reference to, the indenture bet een us and The Bank of Ne York Mellon Trust Compan, N.A., as trustee, dated August 20, 2003, as it ma be supplemented and amended from time to time. The indenture is filed as an e hibit to the registration statement of hich this prospectus is a part and is incorporated b reference into this prospectus. See Where You Can Find More Information. The terms of the debt securities ill include those stated in the indenture and those made a part of the indenture b reference to the Trust Indenture Act of 1939, as amended.

The particular terms of the debt securities offered b an prospectus supplement and the e tent, if an, to hich the pro isions described in this prospectus ma appl to the offered debt securities ill be described in the prospectus supplement relating to the offered debt securities. Accordingl, for a description of the terms of a particular issue of debt securities, reference must be made to both the prospectus supplement relating thereto and to the follo ing description.

#### General

The indenture does not limit the aggregate principal amount of senior unsecured debt securities that we may issue under it, and provides that we may issue securities under the indenture from time to time in one or more series pursuant to the terms of one or more supplemental indentures, board resolutions or officer's certificates creating the series.

#### **Terms**

We will describe in each prospectus supplement the following terms that apply to the debt securities offered under that prospectus supplement:

- the title of the series of debt securities;
- any limit on the aggregate principal amount of the debt securities of that series;
- the persons to whom we must pay interest on the interest payment dates;
- the dates on which we must pay principal;
- the rates at which the debt securities will bear interest or the manner in which interest will be determined, if any interest is payable;
- the dates from which any interest will accrue, the dates on which we must pay interest and the record date for determining who is entitled to any interest payment;
- the places where we must pay the debt securities;
- the terms and conditions on which we may, or may be obligated to, redeem the debt securities;
- the terms and conditions of any sinking fund;

amount wi	hen the type and a ll be determined;	imount of the se	connies of oth	er property, or t	ne manner m w	men me

If the purchase price of any debt securities is payable in one or more foreign currencies or composite currencies, if any debt securities are denominated in one or more foreign currencies or composite currencies or if any payments on the debt securities are payable in one or more foreign currencies or composite currencies, then we will describe the restrictions, elections, some U.S. federal income tax considerations, specific terms and other information about the debt securities and the foreign currency or composite currencies in the prospectus supplement.

#### **Restrictive Covenants**

Except as otherwise set forth under "—Satisfaction and Discharge" below, for so long as any debt securities remain outstanding or any amount remains unpaid on any of the debt securities, we will comply with the terms of the covenants set forth below. If we issue additional series of securities under the indenture in the future, those series may or may not have different covenants.

The indenture provides that we will not, and we will not permit any of our subsidiaries to, create or allow to be created or to exist any lien on any of our properties or assets to secure any indebtedness, without making effective provision that makes the debt securities to which this limitation applies equally and ratably secured with or prior to all such indebtedness and with any other indebtedness that is also entitled to be equally secured. This restriction does not apply to or prevent the creation or existence of:

- liens on property existing at the time of acquisition or construction of such property (or created within one year after completion of such acquisition or construction), whether by purchase, merger, construction or otherwise (or on the property of a subsidiary at the date it became a subsidiary), or to secure the payment of all or any part of the purchase price or construction cost thereof, including the extension of any such liens to repairs, renewals, replacements, substitutions, betterments, additions, extensions and improvements then or thereafter made on the property subject thereto;
- any extensions, renewals or replacements (or successive extensions, renewals or replacements), in whole or in part of liens permitted by the above-listed item;
- the pledge of any bonds or other securities at any time issued under any of the liens permitted by the above-listed items;
- liens for taxes, assessments and other governmental charges or requirements not delinquent or which can thereafter be paid without penalty or which are currently being contested in good faith by appropriate proceedings;
- mechanics', workmen's, repairmen's, materialmen's, warehousemen's and carriers' liens, liens or
  privileges of any of our employees for salary or wages earned, but not yet payable, and other liens,
  including without limitation liens for worker's compensation awards, arising in the ordinary course of
  business for charges or requirements which are not delinquent or which are being contested in good
  faith and by appropriate proceedings;
- liens in respect of judgments or awards with respect to which we (i) are in good faith prosecuting an appeal or other proceeding for review and with respect to which we have secured a stay of execution pending such appeal or other proceeding or (ii) have the right to prosecute an appeal or other proceeding for review;
- easements, leases, reservations or other rights of others in, on and/or over, and laws, regulations and
  restrictions affecting, and defects and irregularities in record title to, our property or any part thereof;
  provided, however, that such easements, leases, reservations, rights, laws, regulations, restrictions,
  defects and irregularities do not, in our reasonable judgment, in the aggregate materially impair our use
  of such property considered as a whole for the purposes for which it is held;

- any lien of the trustee for payment for services, reasonable expenses, disbursements and advances, or for indemnification payments; and
- liens not otherwise permitted if, at the time we incur the lien and after giving effect to the lien, the aggregate of all obligations secured by the lien does not exceed 10% of our tangible net worth, as defined in the indenture.

This restriction will not apply to or prevent the creation or existence of leases we enter into, or on existing property we acquire, in the ordinary course of our business.

The indenture provides that we will not consolidate with or merge into any other corporation, or sell all or substantially all of our assets to any other person unless:

• the continuing corporation or the purchasers of assets, as the case may be, will be an entity organized and existing under the laws of the United States, any state of the United States or the District of Columbia, and such entity will expressly assume the payment of the principal of, and premium, if any, or interest on, the debt securities outstanding and the performance and observance of all of our covenants under the indenture by executing a supplemental indenture satisfactory to the trustee;

securities of a series can direct the trustee in its exercise of any trust or power. The trustee does not have to give holders notice of any continuing default, except a default in payment of principal or interest, if it in good faith determines that withholding notice is in the interests of the holders. We are required to give the trustee a certificate certifying as to our compliance with all conditions and covenants under the indenture at least once a year.

#### **Modification of the Indenture**

The holders of at least a majority in principal amount of outstanding debt securities of a series may waive any existing default and its consequences under the indenture. However, holders cannot waive (i) a default in the payment of the principal of, or premium, if any, or interest on, any debt securities or (ii) a default in respect of a provision that cannot be modified or amended without the consent of each holder of the outstanding debt securities of the series.

With the consent of the holders of at least a majority in aggregate principal amount of outstanding debt securities, we and the trustee can enter into supplemental indentures to amend or modify the indenture. If a proposed supplemental indenture affects the rights of the holders of one or more, but less than all, of the outstanding series of debt securities, or tranches thereof, then we and the trustee can enter into such supplemental indenture with the consent only of the holders of at least a majority in aggregate principal amount of outstanding series, or tranches thereof, so affected, voting together as one class. However, we cannot make modifications or amendments without the consent of all of the holders of the outstanding series of debt securities if the amendments or modifications would:

- change the stated maturity, reduce the principal amount of, or reduce or change the method of
  calculating the rate of interest on, the debt securities of a series;
- change the coin or currency or the property in which we must pay principal of, or premium, if any, or interest on, the debt securities of a series;
- impair the right to institute suit for the enforcement of any payment of principal of, or premium or interest on, the debt securities after the due date of the payment;
- reduce the percentage in principal amount of the outstanding debt securities of any series or any tranche thereof, the consent of the holders of which is required to enter into any supplemental indenture;
- reduce the amount of debt securities whose holders must consent to an amendment or waiver of the provisions of the indenture; or
- make modifications to any of the provisions we describe in this paragraph and in the paragraph immediately above.

We and the trustee can also enter into supplemental indentures to amend or modify the indenture or the debt securities without the consent of any holders of the debt securities. We can only do so if those amendments or modifications would be limited to specific purposes, including:

- showing that another person has succeeded us and assumed our obligations under the covenants of the indenture and the debt securities;
- adding to our covenants under the indenture for the benefit of all holders of debt securities under the
  indenture or surrender any right or power we have under the indenture or to add any event of default;
- adding to, changing or eliminating any of the provisions of the indenture; provided, however, that if
  such change, elimination or addition will adversely affect the interests of the holders of debt securities
  of any outstanding series or tranche on the date of such supplemental indenture in any material respect,
  such change, elimination or addition will become effective (i) with respect to such series or tranche
  only or (ii) when no debt securities of such series or tranche remain outstanding;

- to provide collateral security for all but not part of the debt securities;
- establish the form or terms of debt securities of any series;
- to provide for the procedures required to permit us to utilize, at our option, a non-certificated system for registration for all, or any series of, the debt securities;
- to change any place where (i) principal, premium and interest may be payable, (ii) debt securities may be surrendered for transfer or exchange and (iii) notices to us may be served;
- evidencing the appointment of a successor trustee or a change in any of the provisions of the indenture to facilitate administration by more than one trustee; or
- making clarifying changes to ambiguous, incorrect or inconsistent language in the indenture or the debt securities that do not adversely affect the rights of the holders of the debt securities under the indenture in any material respect.

### Satisfaction and Discharge

The indenture provides that we can at any time terminate almost all of our obligations with respect to any outstanding debt securities and the indenture. We cannot, however terminate some obligations, including our obligations to register the transfer or exchange of the debt securities, replace mutilated, destroyed, lost or stolen debt securities, to maintain agencies in respect of the debt securities and hold moneys for payment in trust.

If we desire to exercise our option to satisfy and discharge our obligations under the indenture, then we must deposit in trust with the trustee or any paying agent (other than us) money or U.S. government obligations sufficient to pay the outstanding principal amount of the debt securities as well as the interest and premium, if any, on the debt securities to maturity. In addition, we must provide to the trustee and the paying agent:

- if such deposit shall have been made prior to the maturity of such debt securities, a company order stating that the money and U.S. government obligations deposited in accordance with indenture shall be held in trust:
- if U.S. government obligations have been deposited, an opinion of counsel that the obligations so deposited constitute U.S. government obligations and do not contain provisions permitting the redemption or other prepayment at the option of the issuer thereof, and an opinion of an independent public accountant of nationally recognized standing, selected by us, to the effect that such U.S. government obligations will be sufficient in accordance with the indenture; and
- if such deposit shall have been made prior to the maturity of such debt securities, an officer's certificate
  stating the intention that, upon delivery of such officer's certificate, the indebtedness in respect of such
  debt securities or portions thereof will have been satisfied and discharged as contemplated by the
  indenture.

## **Governing Law**

The indenture and the debt securities will be governed by, and construed in accordance with, the laws of the State of New York.

#### **Global Securities**

We may issue the securities in whole or in part in the form of one or more global certificates or notes, which we refer to as global securities, that we will deposit with a depository or its nominee that we identify in the applicable prospectus supplement.

We will describe the specific terms of the depository arrangement covering the securities in the prospectus supplement relating to that series. We anticipate that the following provisions will apply to all depository arrangements.

Upon the issuance of the securities in the form of one or more global securities, the depository or its custodian will credit, on its book-entry registration and transfer system, the number of shares or principal amount of securities of the individual beneficial interests represented by these global securities to the respective accounts of persons who have accounts with the depository. Ownership of beneficial interests in the global securities will be shown on, and the transfer of this ownership will be effected only through, records maintained by the depository or its nominee with respect to interests of participants and the records of participants with respect to interests of persons other than participants. These accounts initially will be designated by or on behalf of the underwriters, initial purchasers or agents, or by us if we offer and sell the securities directly, and ownership of beneficial interests in the global securities will be limited to participants or persons who hold interests through participants. Qualified institutional buyers may hold their interests in the global securities directly through the depository if they are participants in this system, or indirectly through organizations which are participants in this system. The laws of some states of the United States may require that some purchasers of securities take physical delivery of the securities in definitive registered form. These limits and the laws may impair your ability to own, transfer or pledge interests in the global securities.

So long as the depository, or its nominee, is the registered owner or holder of the securities, the depository or its nominee, as the case may be, will be considered the sole owner or holder of the securities represented by the global securities for all purposes. No beneficial owner of an interest in the global securities will be able to transfer that interest except in accordance with the depository's procedures.

We will make dividend payments on, or payments of the principal of, and premium, if any, and interest on, the global securities to the depository or its nominee, as the case may be, as the registered owner of the global securities. We will not have any responsibility or liability for any aspect of the records relating to or payments made on account of beneficial ownership interests in the global securities or for maintaining, supervising or reviewing any records relating to the beneficial ownership interest.

We expect that the depository or its nominee, upon receipt of any dividend payment on, or payment of the principal of, and premium, if any, and interest on, the global securities, will credit participants' accounts with payments in amounts proportionate to their respective beneficial interests in the securities as shown on the records of the depository or its nominee. We also expect that payments by participants to owners of beneficial interests in the global securities held through the participants will be governed by standing instructions and customary practice, as is now the case with securities held for the accounts of customers registered in the names of nominees for their customers. These payments will be the responsibility of the participants. Transfers between participants in the depository will be effected in the ordinary way through the depository's settlement system in accordance with the depository rules and will be settled in same day funds.

We will issue securities in certificated form in exchange for global securities if:

- the depository notifies us that it is unwilling or unable to continue as a depository for the global securities or ceases to be a "clearing agency" registered under the Securities Exchange Act of 1934 and a successor depository is not appointed by us within 90 days of the notice;
- an event of default under the instrument governing the securities has occurred and is continuing; or
- we determine that the securities will no longer be represented by global securities.

#### PLAN OF DISTRIBUTION

We may sell our securities in any one or more of the following ways from time to time: (1) through agents; (2) to or through underwriters; (3) through brokers or dealers; (4) directly by us to purchasers, including through a specific bidding, auction or other process; or (5) through a combination of any of these methods of sale. The applicable prospectus supplement will contain the terms of the transaction, name or names of any underwriters, dealers, agents and the respective amounts of securities underwritten or purchased by them, the initial public offering price of the securities, and the applicable agent's commission, dealer's purchase price or underwriter's discount. Any dealers and agents participating in the distribution of the securities may be deemed to be underwriting discounts.

Any initial offering price, dealer purchase price, discount or commission may be changed from time to time.

The securities may be distributed from time to time in one or more transactions, at negotiated prices, at a fixed price or fixed prices (that may be subject to change), at market prices prevailing at the time of sale, at various prices determined at the time of sale or at prices related to prevailing market prices.

Offers to purchase securities may be solicited directly by us or by agents designated by us from time to time. Unless otherwise indicated in the prospectus supplement, any such agent will use its commercially reasonable efforts to solicit purchases for the period of its appointment or to sell securities on a continuing basis. Agents may receive compensation in the form of commissions, discounts or concessions from us. Agents may also receive compensation from the purchasers of the securities for whom they sell as principals. Each particular agent will receive compensation in amounts negotiated in connection with the sale, which might be in excess of customary commissions. Any such agent may be deemed to be an underwriter, as that term is defined in the Securities Act of 1933, or the Securities Act, of the securities so offered and sold. Accordingly, any commission, discount or concession received by them and any profit on the resale of the securities purchased by them may be deemed to be underwriting discounts or commissions under the Securities Act. We have not entered into any agreements, understandings or arrangements with any underwriters or broker-dealers regarding the sale of their securities. As of the date of this prospectus, there are no special selling arrangements between any broker-dealer or other person and us. Nling6-s50(speck-251(so256(negoti)-253(g2(the)lection)[(fi)sions)-8leir)]TJ51(or)-252rwri62.1(discounts)-252rwri62.1(discount

maposi-253(sellecurities)oldus. mayindiiaeemedtt263.1(66any)-251(of)-252(thes258(of)-56(time)hom)-250(olise)isealerd(securiti)-2 customary commid to be an underwriter, understanhat term is defined invarious prices determined at the time of sale or at prices rela,

Agents, underwriters and dealers may be entitled under relevant agreements with us to indemnification by us against certain liabilities, including liabilities under the Securities Act, or to contribution with respect to payments which such agents, underwriters and dealers may be required to make in respect thereof. The terms and conditions of any indemnification or contribution will be described in the applicable prospectus supplement.

We may also sell securities through various arrangements involving mandatorily or optionally exchangeable securities, and this prospectus may be delivered in connection with those sales.

We may enter into derivative, sale or forward sale transactions with third parties, or sell securities not covered by this prospectus to third parties in privately negotiated transactions. If the applicable prospectus supplement indicates, in connection with those transactions, the third parties may sell securities covered by this prospectus and the applicable prospectus supplement, including in short sale transactions and by issuing securities not covered by this prospectus but convertible into, exchangeable for or representing beneficial

#### WHERE YOU CAN FIND MORE INFORMATION

We file annual, quarterly and current reports and other information with the SEC (File No. 1-4117). We also filed a registration statement on Form S-3, including exhibits, under the Securities Act with respect to the securities offered by this prospectus. This prospectus is a part of the registration statement, but does not contain all of the information included in the registration statement or the exhibits to the registration statement. You may read and copy the registration statement and any other materials that we file with the SEC at the SEC's Public Reference Room at 100 F Street, N.E., Washington, D.C. 20549. You may call the SEC at 1-800-SEC-0330 for information on the operation of the Public Reference Room. Our reports and other SEC filings are also available at the SEC's web site at http://www.sec.gov.

We are "incorporating by reference" specified documents that we file with the SEC, which means:

- incorporated documents are considered part of this prospectus;
- · we are disclosing important information to you by referring you to those documents; and
- information we file with the SEC will automatically update and supersede information contained in this prospectus.

We incorporate by reference the documents listed below and any future filings we make with the SEC under Sections 13(a), 13(c), 14 or 15(d) of the Securities Exchange Act of 1934, after the date of this prospectus and before the end of the offering of the securities pursuant to this prospectus:

- our Annual Report on Form 10-K for the year ended December 31, 2016;
- our Quarterly Reports on Form 10-Q for the quarters ended March 31, 2017, June 30, 2017 and September 30, 2017;
- our Current Reports on Form 8-K filed May 25, 2017, August 8, 2017, August 21, 2017 and November 15, 2017; and
- the description of our 5.100% Series D cumulative perpetual preferred stock in our Registration Statement on Form 8-A, dated March 21, 2013, and any amendment or report updating that description.

Notwithstanding the foregoing, information furnished under Items 2.02 and 7.01 of any Current Report on Form 8-K, including the related exhibits under Item 9.01, is not incorporated by reference in this prospectus.

Some of these reports, however, are filed on a combined basis with our parent, Alliant Energy Corporation, and its direct subsidiary, Wisconsin Power and Light Company. Information contained in these reports relating to these entities is filed by them on their own behalf and not by us.

You may obtain copies of documents incorporated by reference in this prospectus, at no cost, by request directed to us at the following address or telephone number:

Interstate Power and Light Company Alliant Energy Tower Cedar Rapids, Iowa 52401 Attention: James H. Gallegos, Senior Vice Any statement contained herein or in a document incorporated or deemed to be incorporated by reference herein will be deemed to be modified or superseded for purposes of this prospectus to the extent that a statement contained herein, in any other subsequently filed document which also is or is deemed to be incorporated by reference herein or in any prospectus supplement, modifies or supersedes such statement. Any such statement so modified or superseded will not be deemed, except as so modified and superseded, to constitute a part of this prospectus.

#### **LEGAL MATTERS**

Unless otherwise specified in a prospectus supplement accompanying this prospectus, the validity of the securities offered in this prospectus and certain legal matters will be passed upon for us by Perkins Coie LLP, and, with respect to certain matters of Iowa law, Nyemaster Goode, P.C. If the securities are being distributed in an underwritten offering, certain legal matters will be passed upon for the underwriters by counsel identified in the related prospectus supplement.

#### **EXPERTS**

The consolidated financial statements, and the related financial statement schedule, incorporated in this prospectus by reference from Interstate Power and Light Company's 2016 Annual Report on Form 10-K have been audited by Deloitte & Touche LLP, an independent registered public accounting firm, as stated in their report, which is incorporated herein by reference. Such financial statements and financial statement schedule have been so incorporated in reliance upon the report of such firm given upon their authority as experts in accounting and auditing.

# \$500,000,000

# **Interstate Power and Light Company**

4.100% Senior Debentures due 2028

PROSPECTUS SUPPLEMENT

Goldman Sachs & Co. LLC
MUFG
Wells Fargo Securities

Comerica Securities
KeyBanc Capital Markets
US Bancorp
Mischler Financial Group, Inc.
Ramirez & Co., Inc.

**September 19, 2018**