

# CREDIT OPINION

21 November 2017

New Issue

Rate this Research



#### Contacts

Scott Solomon +1.212.553.4358 VP-Sr Credit Officer scott.solomon@moodys.com

Kurt Krummenacker +1.212.553.7207 Senior Vice President/ Manager

kurt.krummenacker@moodys.com

# CLIENT SERVICES

Americas 1-212-553-1653
Asia Pacific 852-3551-3077
Japan 81-3-5408-4100
EMEA 44-20-7772-5454

# Long Island Power Authority, NY

New Issue – Moody's assigns A3 to LIPA's Series 2017 General Revenue Bonds; Outlook is Stable

# **Summary Rating Rationale**

Moody's Investors Service assigned an A3 rating to Long Island Power Authority's (LIPA or the Authority) (NY) \$350 million Electric System General Revenue Bonds, Series 2017. These securities will rank on parity with LIPA's A3-rated outstanding senior lien debt. The rating outlook is stable.

The A3 rating reflects the utility's strong cost recovery mechanisms that support a stable and predictable cash flow stream and the economic strength and size of LIPA's service territory in the Long Island counties of Nassau and Suffolk. Other considerations supporting the A3 rating include improved operating and customer satisfaction measures and transparent and credit supportive regulatory relationships.

The rating recognizes commitments LIPA has received at both federal and state levels to assist with continuing storm hardening investment and to provide for lower interest cost through allowed securitization transactions. These efforts have helped to limit the size of requested rate increases while allowing LIPA to continue investing in operational and systems improvements.

# **Credit Strengths**

- » Economic strength and size of the service territory
- » Credit supportive rate plan outcome
- » Expectation for sustained improvement in financial metrics and liquidity
- » Improved customer satisfaction levels

# **Credit Challenges**

- » High electric rates among municipal electric issuers
- » Highly leveraged balance sheet
- » Increased near-term capital spending program, mitigated in part by FEMA grant funds
- » Rate regulated system could add challenges during periods of stress

# **Rating Outlook**

The stable outlook reflects an expectation that LIPA's cost recovery mechanism will continue to provide a more stable and predictable cash flow profile.

# Factors that Could Lead to an Upgrade

- » The rating is well-positioned at the lower end of the A category.
- » A sustainable improvement in credit metrics could give rise to a higher rating. For example, consideration of a higher rating could occur if the fixed obligation charge coverage on LIPA's obligations were to reach 1.40 times while its debt ratio declined below 100%, both on a sustained basis.
- » Establishment of a meaningful debt service reserve for the revenue bonds.

# Factors that Could Lead to a Downgrade

» Unexpected deterioration in financial metrics, including fixed obligation charge coverage declining to below 1.1 times and total days cash on hand declining to below 90 days on an ongoing basis.

# **Key Indicators**

#### Exhibit 1

Long Island Power Authority					
	2012	2013	2014	2015	2016
Debt Outstanding (\$'000)	9,555,281	9,692,661	10,087,297	9,838,329	9,945,369
Debt Ratio (%)	131%	129%	126%	114%	110%
Adjusted Days Liquidity on Hand (incl. Bank Lines) (days)	48	122	135	165	192
Adjusted Debt Service Coverage (x) (Post Transfers/PILOTs - All Debt)	1.11x	1.42x	1.15x	1.14x	1.11x

Source: Moody's Investors Service

# **Detailed Rating Considerations**

# **Revenue Generating Base**

# Strength and size of service territory

LIPA delivers electricity to approximately 1.1 million customers in the New York counties of Nassau and Suffolk and a small portion of Queens. With median household incomes well above the national average and low unemployment rates, the area economy is arguably one of the strongest in the country and continues to be a primary positive factor underpinning the rating.

#### Credit Supportive Rate Plan

LIPA is currently operating under a credit supportive three-year rate plan through December 2018 that included \$254 million of cumulative electric distribution rate increases and approved automatic recovery mechanisms, such as a revenue decoupling mechanism (RDM) and a delivery service adjustment (DSA). Collectively, these mechanisms insulate LIPA's cash flows from, among others, revenue variations that result from changes in economic conditions, weather or energy efficiency programs as well as higher-than-budgeted storm costs and interest expense.

After December 2018, the Authority is required to submit a proposed rate increase for Department of Public Service (DPS) review if it would increase the rates by more than 2.5% annually. In addition, the Authority is permitted to place rates in effect on an interim basis. The Authority's Board retains final rate setting power. The DPS is the staff arm of the New York Public Service Commission and was required to review LIPA's three-year rate plan and to make recommendations to LIPA's board.

The passage of the LIPA Reform Act by the New York State Assembly and Senate in 2013 provided LIPA the opportunity to refinance a significant amount of LIPA's general revenue bonds with lower coupon securitization debt rated Aaa (sf). These refinancing activities have reduced LIPA's interest burden relative to historical levels with such savings being passed onto customers.

This publication does not announce a credit rating action. For any credit ratings referenced in this publication, please see the ratings tab on the issuer/entity page on www.moodys.com for the most updated credit rating action information and rating history.

#### Power rates among highest in nation

LIPA's average electric rates remain among the highest in the country. In 2015, LIPA's residential rates of 19.2 cents per kWh exceeded those of other similarly sized public power issuers including Los Angeles Department of Water and Power (LADWP: Aa2 stable), Sacramento Municipal Utility District (Aa3 stable) and JEA, FL Water and Sewer Enterprise (Aa2 stable) at 15.4 cents per kWh, 13.5 cents and 11.7 cents, respectively. LIPA's rates are more competitive, however, when compared to regional peers, including Consolidated Edison Company of New York (26.3 cents) and Connecticut Light and Power Company (20.0 cents).

High electric rates expose LIPA to public and political scrutiny, especially when rate hikes are requested to address system reliability needs.

#### Significant financial leverage profile

LIPA remains highly levered, limiting the utility's financial flexibility. Specifically, LIPA's debt obligations, including capital leases and securitization bonds, was approximately \$10 billion at year end 2016 and its debt ratio stood at 110%. While we acknowledge the financial benefit of LIPA's securitization debt for the Authority, debt service costs for the securitization debt are in LIPA rates and will continue to be so for an extended period. LIPA's securitization debt has increased to \$4.1 billion as of December 31, 2016 while senior lien debt has declined to \$3.5 billion. Going forward, we expect LIPA's absolute level of debt to grow as it funds needed capital investments. Although the absolute debt level is likely to remain elevated, we expect LIPA's debt ratio to continue to decline with scheduled amortization and is in alignment with management's plan to reduce overall system leverage.

The Securitization Law, enacted under the LIPA Reform Act and as amended, allows for a total issuance of up to \$4.5 billion of restructuring bonds by the Utility Debt Securitization Authority (UDSA), an affiliate of LIPA, with proceeds used to repay higher coupon revenue bonds.

#### **Operational and Financial Performance**

#### Operational

The day-to-day operations of the electric system have been the responsibility of PSEG-Long Island, a subsidiary of Public Service Enterprise Group Inc. (PSEG: Baa1 stable), since 2014 under a contract that extends to December 31, 2025. Services include the day-to-day operation and maintenance of the T&D System, customer service, billing and collection, meter reading and forecasting.

Under the contract, PSEG-Long Island is paid a fixed management fee and may earn incentives related to specified performance metrics. Moreover, all the costs of operating and maintaining the Authority's T&D systems incurred by PSEG-Long Island are passed through to and paid for by the Authority.

The transition to operations by PSEG-Long Island has been successful. Customer complaints have declined since 2014 while key measures of customer service and satisfaction have shown improvement. In fact, LIPA was recognized as the most improved utility in the nation according to J.D. Power's Residential Customer Service Satisfaction Score which compared scores from 2013 to 2017. Increased communications with customers and a new outage management system are factors that likely contributed to the improved score. We consider LIPA's improved performance as a credit positive.

#### Increased near-term capital spending program

System reliability is expected to benefit from an enhanced capital investment program estimated to cost approximately \$2.8 billion between 2016-2019. By comparison, LIPA's capital expenditures during period 2013-2015 totaled approximately \$1.2 billion.

The centerpiece of the enhanced capital investment program is a \$730 million storm-hardening program focused on hardening some of the systems most vulnerable circuits and substations. Importantly, LIPA has secured a federal grant to fund 90% of the cost of storm-hardening program. Federal funding is viewed positively from a credit perspective as it enables the utility to harden its system without the need to recover these particular costs from ratepayers and with less incremental indebtedness.

#### Financial

LIPA's financial position has strengthened as its securitization debt has resulted in lower interest expense for the Authority. Given lower interest expense and higher revenues, management projects minimum fixed obligation charge coverage ratios of 1.25x over 2018 and 2019, which is an improvement from 2014 to 2016, when that ratio averaged 1.13x. While the incremental improvement is expected

to be slow but steady, we believe that LIPA's cost recovery mechanisms increase the likelihood of the utility being able to achieve these financial objectives.

#### LIQUIDITY

# Improved liquidity profile

LIPA's internal liquidity profile has improved with total days cash on hand at approximately 143 days in 2016 compared to 123 days in 2013. The improvement has been driven in part by a requirement since December 2013 that the Authority prefund 90 days of operating and maintenance expenses into an account for use by PSEG-Long Island. Separately, and not included in our calculations, LIPA had restricted cash of approximately \$470 million at year end 2016 that was provided by FEMA to fund its storm-hardening program.

LIPA's external liquidity arrangements include a \$350 million revolving credit facility due March 2019, and \$625 million of commercial paper capacity backstopped by a like amount of letters of credit. In accordance with LIPA's August 2014 board resolution, the amount of commercial paper notes and revolving credit outstanding may not exceed \$1.0 billion. Commercial paper outstanding as of December 31, 2016 was \$406 million. As of year-end 2016, the combination of LIPA's unrestricted cash balances and commercial paper availability resulted in approximately 143 days of liquidity on hand.

LIPA's Board requires the utility to maintain cash on hand and available credit of at least 120 days of operating expenses. Our rating recognizes the lack of a dedicated debt service reserve fund which remains a comparative weakness in LIPA's otherwise strengthened liquidity profile. That said, LIPA had \$129 million at year-end 2016 in OPEB funds that are unrestricted and available for debt service, if needed.

#### **Debt and Other Liabilities**

#### **DEBT STRUCTURE**

LIPA has approximately \$10 billion of total debt outstanding including about \$4.1 billion of securitization bonds issued by UDSA, \$3.5 billion of senior lien debt, and \$2.0 billion of capital leases. At 12/31/2016, approximately 24% of LIPA's total debt is variable rate.

#### **DEBT-RELATED DERIVATIVES**

The Authority uses derivative instruments to manage the impact to its customers of changing interest rates and market prices, including the purchase of fuel oil, natural gas, and electricity. At 12/31/2016, these derivative positions did not have a material impact on the Authority's financial position.

#### PENSIONS AND OPEB

The Authority's employees participates in the New York State and Local Retirement System, which is a cost sharing, multiple employer and public employee retirement system. The plan benefits are provided under the provisions of the New York State Retirement and Social Security Law that are guaranteed by the state constitution and may be amended only by the State Legislature. In addition, the cost of pensions and other post-retirement health and life insurance benefits (OPEBs) for the LIPA-serving workforce of its service provider are a contractual obligation of LIPA. As of January 1, 2014, PSEG-LI estimated its prior service cost obligation to be approximately \$126 million. The unfunded pension obligation as of December 31, 2016 was approximately \$128 million.

# **Management and Governance**

The Authority is governed by a Board of Trustees. The membership of the Board of Trustees is limited to nine, five of whom are appointed by the Governor, two by the Majority Leader of the NY State Senate and two by the Speaker of the NY State Assembly. The Authority's Board retains final rate setting power.

Day-to-day operations of LIPA's electric system are handled by PSEG-Long Island. Staffing at the Authority is required to be kept at levels only necessary to ensure that the Authority is able to meet obligations with respect to its bonds and all applicable statutes and contracts, and to oversee the activities of PSEG-Long Island.

#### **Legal Security**

The 2017 Bonds will be issued pari passu to all outstanding senior debt obligations of the Authority and are secured by the revenues generated by the operation of LIPA's electric transmission and distribution system. The bond resolution contains a basic flow of funds

including a Rate Stabilization Fund. The Authority is required at all times maintain on deposit in the Rate Stabilization Fund an amount not less than \$150,000,000. There is no debt service reserve fund, which we consider credit negative.

### **Use of Proceeds**

The \$350 million issuance will fund in part the Authority's \$761 million capital budget for 2018. Cash from operations and FEMA grants will provide the remainder of funding. The capital projects to be funded cover a vast array of projects. Some examples include installing 200 smart switches to minimize storm-related outages, replacing 60,000 feet of underground cable, upgrading four substations to improve service reliability, and rebuilding 320 miles of distribution circuits with stronger wires and poles.

# **Obligor Profile**

LIPA was established in 1986 as a corporate municipal instrumentality of the State of New York under the Long Island Power Authority Act (the LIPA Act). In 1998, the Authority became the retail supplier of electric service in most of Nassau and Suffolk Counties and the Rockaway Peninsula of Queens by acquiring the Long Island Lighting Company (LILCO) as a wholly owned subsidiary which does business as LIPA. LIPA's assets currently consist of a transmission and distribution system that is used to serve approximately 1.1 million customers in an approximately 1,230 square mile service territory.

# **Scorecard Factors and Other Considerations**

The grid indicated rating of A3 is the same as the assigned rating of A3.

Note: The grid is a reference tool that can be used to approximate credit profiles in the U.S. Public Power Electric Utility Industry in most cases. However, the grid is a summary that does not include every rating consideration. Please see U.S. Public Power Electric Utilities with Generation Ownership Exposure Rating Methodology for more information about the limitations inherent to grids.

Exhibit 2
Rating Factor Scorecard

Factor	Subfactor	Score
Cost Recovery Framework Within Service Territory		Aa
2. Willingness and Ability to Recover Costs with Sound Financial Metrics		Α
3. Generation and Power Procurement Fisk Exposure		Α
4. Competitiveness		Α
	a) Adjusted days liquidity on hand (3-year average) (days)	Α
5. Financial Strength and Liquidity	b) Debt ratio (3-year average) (%)	В
	<ul> <li>c) Adjusted Debt Service Coverage or Fixed Obligation Charge Coverage (3-year average) (x)</li> </ul>	Baa
Preliminary Grid Indicated rating from Grid Factors 1-5		A2
	6. Operational Considerations	0.0
Notching	7. Debt Structure and Reserves	-0.5
	8. Revenue Stability and Diversity	0.0
Grid Indicated Pating		<b>A</b> 3

Source: Moody's Investors Service

### Methodology

The principal methodology used in this rating was US Public Power Electric Utilities With Generation Ownership Exposure published in March 2016. Please see the Rating Methodologies page on www.moodys.com for a copy of this methodology.

# **Ratings**

# Exhibit 3

# **Long Island Power Authority**

	•
Rating	Issue
A3	LIPA Series 2017 General Revenue Bonds
Underlying LT	Rating Type
\$350,000,000	Sale Amount
12/05/2017	Expected Sale Date
Revenue: Government	Rating Description
Enterprise	

Source: Moody's Investors Service

© 2017 Moody's Corporation, Moody's Investors Service, Inc., Moody's Analytics, Inc. and/or their licensors and affiliates (collectively, "MOODY'S"). All rights reserved.

CREDIT RATINGS ISSUED BY MOODY'S INVESTORS SERVICE, INC. AND ITS RATINGS AFFILIATES ("MIS") ARE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES, AND MOODY'S PUBLICATIONS MAY INCLUDE MOODY'S CURRENT OPINIONS OF THE RELATIVE FUTURE CREDIT RISK OF ENTITIES, CREDIT COMMITMENTS, OR DEBT OR DEBT-LIKE SECURITIES. MOODY'S DEFINES CREDIT RISK AS THE RISK THAT AN ENTITY MAY NOT MEET ITS CONTRACTUAL, FINANCIAL OBLIGATIONS AS THEY COME DUE AND ANY ESTIMATED FINANCIAL LOSS IN THE EVENT OF DEFAULT. CREDIT RATINGS DO NOT ADDRESS ANY OTHER RISK, INCLUDING BUT NOT LIMITED TO: LIQUIDITY RISK, MARKET VALUE RISK, OR PRICE VOLATILITY. CREDIT RATINGS AND MOODY'S OPINIONS INCLUDED IN MOODY'S PUBLICATIONS ARE NOT STATEMENTS OF CURRENT OR HISTORICAL FACT. MOODY'S PUBLICATIONS MAY ALSO INCLUDE QUANTITATIVE MODEL-BASED ESTIMATES OF CREDIT RISK AND RELATED OPINIONS OR COMMENTARY PUBLISHED BY MOODY'S ANALYTICS, INC. CREDIT RATINGS AND MOODY'S PUBLICATIONS ON TO CONSTITUTE OR PROVIDE INVESTMENT OR FINANCIAL ADVICE, AND CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT AND DO NOT PROVIDE RECOMMENDATIONS TO PURCHASE, SELL, OR HOLD PARTICULAR SECURITIES. NEITHER CREDIT RATINGS NOR MOODY'S PUBLICATIONS COMMENT ON THE SUITABILITY OF AN INVESTMENT FOR ANY PARTICULAR INVESTOR. MOODY'S ISSUES ITS CREDIT RATINGS AND PUBLISHES MOODY'S PUBLICATIONS WITH THE EXPECTATION AND UNDERSTANDING THAT EACH INVESTOR WILL, WITH DUE CARE, MAKE ITS OWN STUDY AND EVALUATION OF EACH SECURITY THAT IS UNDER CONSIDERATION FOR PURCHASE. HOLDING, OR SALE.

MOODY'S CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY RETAIL INVESTORS AND IT WOULD BE RECKLESS AND INAPPROPRIATE FOR RETAIL INVESTORS TO USE MOODY'S CREDIT RATINGS OR MOODY'S PUBLICATIONS WHEN MAKING AN INVESTMENT DECISION. IF IN DOUBT YOU SHOULD CONTACT YOUR FINANCIAL OR OTHER PROFESSIONAL ADVISER. ALL INFORMATION CONTAINED HEREIN IS PROTECTED BY LAW, INCLUDING BUT NOT LIMITED TO, COPYRIGHT LAW, AND NONE OF SUCH INFORMATION MAY BE COPIED OR OTHERWISE REPRODUCED, REPACKAGED, FURTHER TRANSMITTED, TRANSFERRED, DISSEMINATED, REDISTRIBUTED OR RESOLD, OR STORED FOR SUBSEQUENT USE FOR ANY SUCH PURPOSE, IN WHOLE OR IN PART, IN ANY FORM OR MANNER OR BY ANY MEANS WHATSOEVER, BY ANY PERSON WITHOUT MOODY'S PRIOR WRITTEN CONSENT.

All information contained herein is obtained by MOODY'S from sources believed by it to be accurate and reliable. Because of the possibility of human or mechanical error as well as other factors, however, all information contained herein is provided "AS IS" without warranty of any kind. MOODY'S adopts all necessary measures so that the information it uses in assigning a credit rating is of sufficient quality and from sources MOODY'S considers to be reliable including, when appropriate, independent third-party sources. However, MOODY'S is not an auditor and cannot in every instance independently verify or validate information received in the rating process or in preparing the Moody's publications.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability to any person or entity for any indirect, special, consequential, or incidental losses or damages whatsoever arising from or in connection with the information contained herein or the use of or inability to use any such information, even if MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers is advised in advance of the possibility of such losses or damages, including but not limited to: (a) any loss of present or prospective profits or (b) any loss or damage arising where the relevant financial instrument is not the subject of a particular credit rating assigned by MOODY'S.

To the extent permitted by law, MOODY'S and its directors, officers, employees, agents, representatives, licensors and suppliers disclaim liability for any direct or compensatory losses or damages caused to any person or entity, including but not limited to by any negligence (but excluding fraud, willful misconduct or any other type of liability that, for the avoidance of doubt, by law cannot be excluded) on the part of, or any contingency within or beyond the control of, MOODY'S or any of its directors, officers, employees, agents, representatives, licensors or suppliers, arising from or in connection with the information contained herein or the use of or inability to use any such information.

NO WARRANTY, EXPRESS OR IMPLIED, AS TO THE ACCURACY, TIMELINESS, COMPLETENESS, MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE OF ANY SUCH RATING OR OTHER OPINION OR INFORMATION IS GIVEN OR MADE BY MOODY'S IN ANY FORM OR MANNER WHATSOEVER.

Moody's Investors Service, Inc., a wholly-owned credit rating agency subsidiary of Moody's Corporation ("MCO"), hereby discloses that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by Moody's Investors Service, Inc. have, prior to assignment of any rating, agreed to pay to Moody's Investors Service, Inc. for appraisal and rating services rendered by it fees ranging from \$1,500 to approximately \$2,500,000. MCO and MIS also maintain policies and procedures to address the independence of MIS's ratings and rating processes. Information regarding certain affiliations that may exist between directors of MCO and rated entities, and between entities who hold ratings from MIS and have also publicly reported to the SEC an ownership interest in MCO of more than 5%, is posted annually at <a href="https://www.moodys.com">www.moodys.com</a> under the heading "Investor Relations — Corporate Governance — Director and Shareholder Affiliation Policy."

Additional terms for Australia only: Any publication into Australia of this document is pursuant to the Australian Financial Services License of MOODY'S affiliate, Moody's Investors Service Pty Limited ABN 61 003 399 657AFSL 336969 and/or Moody's Analytics Australia Pty Ltd ABN 94 105 136 972 AFSL 383569 (as applicable). This document is intended to be provided only to "wholesale clients" within the meaning of section 761G of the Corporations Act 2001. By continuing to access this document from within Australia, you represent to MOODY'S that you are, or are accessing the document as a representative of, a "wholesale client" and that neither you nor the entity you represent will directly or indirectly disseminate this document or its contents to "retail clients" within the meaning of section 761G of the Corporations Act 2001. MOODY'S credit rating is an opinion as to the creditworthiness of a debt obligation of the issuer, not on the equity securities of the issuer or any form of security that is available to retail investors. It would be reckless and inappropriate for retail investors to use MOODY'S credit ratings or publications when making an investment decision. If in doubt you should contact your financial or other professional adviser.

Additional terms for Japan only: Moody's Japan K.K. ("MJKK") is a wholly-owned credit rating agency subsidiary of Moody's Group Japan G.K., which is wholly-owned by Moody's Overseas Holdings Inc., a wholly-owned subsidiary of MCO. Moody's SF Japan K.K. ("MSFJ") is a wholly-owned credit rating agency subsidiary of MJKK. MSFJ is not a Nationally Recognized Statistical Rating Organization ("NRSRO"). Therefore, credit ratings assigned by MSFJ are Non-NRSRO Credit Ratings. Non-NRSRO Credit Ratings are assigned by an entity that is not a NRSRO and, consequently, the rated obligation will not qualify for certain types of treatment under U.S. laws. MJKK and MSFJ are credit rating agencies registered with the Japan Financial Services Agency and their registration numbers are FSA Commissioner (Ratings) No. 2 and 3 respectively.

MJKK or MSFJ (as applicable) hereby disclose that most issuers of debt securities (including corporate and municipal bonds, debentures, notes and commercial paper) and preferred stock rated by MJKK or MSFJ (as applicable) have, prior to assignment of any rating, agreed to pay to MJKK or MSFJ (as applicable) for appraisal and rating services rendered by it fees ranging from JPY200,000 to approximately JPY350,000,000.

MJKK and MSFJ also maintain policies and procedures to address Japanese regulatory requirements.

REPORT NUMBER

1100796

# **CLIENT SERVICES**

 Americas
 1-212-553-1653

 Asia Pacific
 852-3551-3077

 Japan
 81-3-5408-4100

 EMEA
 44-20-7772-5454

