

CREDIT OPINION

27 April 2018

Update

Rate this Research >>

RATINGS

Energest S.A.

Domicile	Brazil
Long Term Rating	Ba2
Type	LT Issuer Rating - Dom Curr
Outlook	Stable

Please see the [ratings section](#) at the end of this report for more information. The ratings and outlook shown reflect information as of the publication date.

Contacts

Cristiane Spercel +55.11.3043.7333
 VP-Senior Analyst
 cristiane.spercel@moody's.com

Alejandro Olivo +1.212.553.3837
 Associate Managing
 Director
 alejandro.olivo@moody's.com

CLIENT SERVICES

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

Energest S.A.

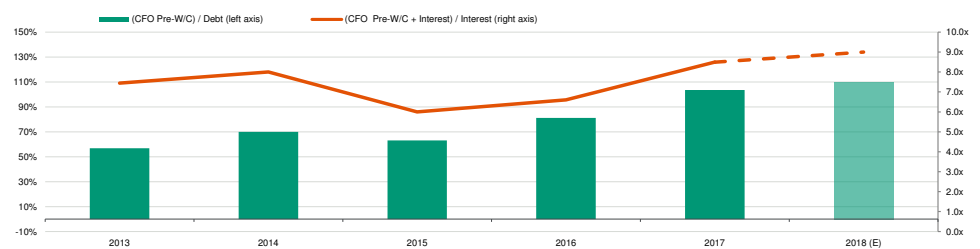
Update Following Outlook Change to Stable

Summary Rating Rationale

[Energest S.A.](#) (Energest)'s Ba2/Aa2.br issuer ratings reflect the company's strong credit metrics despite large dividend distributions, its expertise in operating hydro plants, and the implicit support of its parent holding company, [EDP Energias do Brasil S.A.](#) (EDB; Ba2 stable). Constraining Energest's ratings is the high concentration of sales in one single client, EDP Comercialização e Serviços de Energia Ltda., that represents around 70% of the company's energy supply contracts. The rating remains somewhat constrained by [Brazil's Government rating](#) (Ba2, stable), given the intrinsic links between the company and the credit quality of sovereign due to its regional customer base.

Exhibit 1

Credit Metrics Expected to Remain Strong for its Rating Category



Source: Moody's Financial Metrics™, Moody's estimates for 2018

Credit Strengths

- » Relatively stable and predictable cash flows supported by long-term supply contracts
- » Adherence to the new legislation on the renegotiation of hydrological risk
- » Low capital expenditure requirements
- » Manageable refinancing risk

Credit Challenges

- » Small scale and limited asset diversification
- » High concentration in one single client (EDB's affiliate EDP Comercializadora)
- » High dividend payout ratio

Rating Outlook

The stable outlook for Energest reflects the stabilization of Brazil's sovereign rating outlook, as well as Moody's expectation that metrics will remain well positioned for the rating category.

Factors that Could Lead to an Upgrade

A rating upgrade would depend on material improvement in the business environment under which Energest operates, along with sustainably strong credit metrics and adequate the liquidity profile. A rating upgrade would also be considered if EDB's rating or Brazil's government bond rating is upgraded. Quantitatively, the ratings could be upgraded if we see a continued improvement in the company's credit metrics, so that:

- » The CFO pre-WC to total debt ratio stays sustainably above 60%, and
- » The interest coverage remains above 8.0x on a sustainable basis.

Factors that Could Lead to a Downgrade

Sales volumes below our expectations or a significant mismatch on spot market exposure could prompt a downward action, as well as a rapid or significant deterioration of leverage and liquidity levels. A downgrade of EDB's rating or Brazil's sovereign rating could exert downward pressure on Energest's ratings. Quantitatively, the ratings could be downgraded if:

- » The CFO pre-WC-to-Debt falls below 50%, or,
- » The interest coverage stays below 5.0x for a prolonged period.

Key Indicators

Exhibit 2

Energest S.A.

	12/31/2013	12/31/2014	12/31/2015	12/31/2016	12/31/2017
(CFO Pre-W/C + Interest) / Interest	7.4x	8.0x	6.0x	6.6x	8.5x
(CFO Pre-W/C) / Debt	56.8%	69.9%	63.1%	81.1%	103.5%
RCF / Debt	21.2%	28.5%	-5.7%	6.1%	62.7%

[1] All ratios are based on 'Adjusted' financial data and incorporate Moody's Global Standard Adjustments for Non-Financial Corporations.

Source: Moody's Financial Metrics™

Corporate Profile

Energest, a wholly owned subsidiary of EDB, is a hydro generation company with an installed capacity of 198 MW (134.8 MW of assured energy) consisting of one single hydro power plant, UHE Mascarenhas, located in the states of Espírito Santo and [Minas Gerais](#) (B2 stable). The concession was granted in July, 1995 for 30 years, expiring in July, 2025. In 2017, Energest posted consolidated net sales of BRL194 million and net income of BRL87 million.

Detailed Rating Considerations

STRONG CREDIT METRICS

Energest has historically posted strong credit metrics characterized by low leverage and high interest coverage ratios, as evidenced by an average consolidated CFO Pre-W/C to Debt ratio of 80.3%, a RCF/Debt of 15.6% and an Interest coverage of 6.9x from 2015 through 2017 that compares favorably with other Ba rated unregulated power companies. Such strong performance reflects Energest's medium and long-term power purchase agreements (PPAs) annually adjusted by inflation, as well as its low cost structure. Energest's EBITDA margin reached 65.9% in 2017, down from 74.2% in 2016, as per Moody's standard adjustments.

In 2016, a corporate restructuring of the EDB group resulted in a capital split of Energest and the transfer of its small hydro power concessions to the parent company. Those units represented one third of Energest installed capacity and about 15% of its consolidated

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.moody.com for the most updated credit rating action information and rating history.

gross revenues. Despite this reduction, we foresee continued strong cash flow generation for Energest, which will result in lower leverage levels at 100% CFO Pre-W/C to Debt and strong interest coverage ratios of about 10.0x for the next 12 months.

LONG-TERM SUPPLY CONTRACTS SUPPORT CASH FLOWS BUT CONCENTRATED IN ONE SINGLE OFFTAKER

Energest has gradually moved away from the regulated market, consisting of long-term energy supply contracts with distribution companies, to the unregulated market largely composed of free consumers with tenors typically between two and five years. The company currently has 20.7% of its contracted energy in the regulated market and 72.5% of power purchase agreements (PPAs) in the free market with average tenor of 7.9 years in 2018, up from 3.7 years in 2017. The average prices of those PPAs was at BRL194 per MWh in 2017, and they adjust annually by inflation, corroborating with predictable cash flow generation. Since the expiration of certain supply contracts in early 2016, Energest strategically decided to keep around 7-9% of uncontracted energy, serving as an additional hedge to the hydrologic risk.

EDP Comercializadora represented 65.7% of Energest's energy volume sales in 2017. EDP Comercializadora is also a wholly owned subsidiary of EDB and it is a pure electricity trading company that plays a strategic role within the EDB group. Most of the large industrial consumers that migrated from the regulated markets served by affiliates EDP - Sao Paulo and EDP - Espirito Santo to the free market over the past several years have signed bilateral supply contracts with EDP Comercializadora.

HYDROLOGICAL RISK ISSUE MITIGATED

Brazilian hydro generation companies have been experiencing a challenging operating environment over the past years as a combined result of prolonged drought seasons and ineffective government policies toward operation and expansion of the energy matrix. With this scenario, hydro power generators experienced significant increase in energy costs related to the purchase on the spot market to make up for generation shortfalls.

In 2017, the Generation Scaling Factor (GSF), which basically indicates the level of stored energy of hydropower reservoirs in Brazil fell to an average 81%, as compared to 87% in 2016. Meanwhile, the average spot prices increased to BRL318 per MWh from BRL122 per MWh in 2016.

To mitigate the exposure to hydrologic risks, Energest adhered to the law #13,203, which has established the terms on the renegotiation of the hydrological risk on the regulated and unregulated markets, which allows the transfer of part of the hydrological risk to final consumers in exchange for a premium payment that varies according to the level of protection chosen. Among the different levels of protection available on the regulated market, Energest has opted to the SP94 product, that limits its exposure up to 6% of its assured energy on the regulated market (equivalent to 133 MW average annual production), effectively protecting its hydrological risk in the future in cases where the system Generating Scaling Factor (GSF) falls below 94%.

LOW CAPITAL EXPENDITURES AND MAINTENANCE REQUIREMENTS ENTAIL HIGH DIVIDEND DISTRIBUTION

Energest has a track record of high dividend distribution which is supported by its resilient cash flow generation, low capital expenditure requirements and high operating margins. We expect that Energest will continue to distribute significant dividends while its cash flow generation remains robust. Nevertheless, we believe that during critical periods, the company will preserve its liquidity in detriment of high dividends distribution.

Historically, dividend distributions were also supported by the dividends received from Energest's subsidiaries operating small hydro power plants (i.e. PCH Viçosa, PCH Sao Joao, PCH Alegre, PCH Fruteiras, PCH Jucu e Rio Bonito) and one large hydro power plant (UHE Suiça), with a total installed capacity of 102 MW. However, in February 2016, a corporated restructure resulted in the transfer of those subsidiaries to Energest's ultimate shareholder, EDB, and therefore those assets are no longer consolidated in company's financial statements.

Liquidity Analysis

Energest has liquidity position is adequate, despite a relatively low cash position of BRL20 million as of December 31, 2017 vis-à-vis BRL59 million of short term debt maturities through December 31, 2018. The low cash balance is compensated by the company's resilient cash flow generation. We anticipate a positive free cash flow generation in the range of BRL50 million to BRL70 million over the next 12 months.

Like other Brazilian companies, Energest does not have committed banking facilities to face any unexpected cash disbursements; however, we deem the company's liquidity as manageable given the track record of resilient access to capital markets and intrinsic benefits derived from being part of EDB group.

Energest's debentures have a financial covenant of net debt to EBITDA below 2.5x embedded in its indenture, which was at 0.6x on December 31, 2017. Our forward looking view expects that Energest will maintain its conservative financial policy, rapidly addressing additional issues, as well as we do not anticipate a financial covenant breach

Rating Methodology and Scorecard Factors

The grid implied rating from Moody's 12-18 month forward view of the Unregulated Utilities and Power Companies Industry methodology is Baa3, which is two notches above Energest's current rating.

Exhibit 3

Energest S.A.

Unregulated Utilities and Unregulated Power Companies Industry Grid [1][2]	Current FY 12/31/2017		Moody's 12-18 Month Forward View As of 4/24/2018 [3]	
	Measure	Score	Measure	Score
Factor 1 : Scale (10%)				
a) Scale (USD Billion)	Caa	Caa	Caa	Caa
Factor 2 : Business Profile (40%)				
a) Market Diversification	Ba	Ba	Ba	Ba
b) Hedging and Integration Impact on Cash Flow Predictability	Baa	Baa	Baa	Baa
c) Market Framework & Positioning	Ba	Ba	Ba	Ba
d) Capital Requirements and Operational Performance	Baa	Baa	Baa	Baa
Factor 3 : Financial Policy (10%)				
a) Financial Policy	Baa	Baa	Baa	Baa
Factor 4 : Leverage and Coverage (40%)				
a) (CFO Pre-W/C + Interest) / Interest (3 Year Avg)	6.9x	Baa	6x - 9x	Baa
b) (CFO Pre-W/C) / Debt (3 Year Avg)	80.3%	Aa	70% - 80%	Aa
c) RCF / Debt (3 Year Avg)	15.6%	Baa	10% - 15%	Ba
Rating:				
a) Indicated Rating from Grid		Baa2		Baa3
b) Actual Rating Assigned				Ba2

[1] All ratios are based on 'Adjusted' financial data and incorporate Moody's Global Standard Adjustments for Non-Financial Corporations.

[2] As of 12/31/2017.

[3] This represents Moody's forward view; not the view of the issuer; and unless noted in the text, does not incorporate significant acquisitions and divestitures

Source: Moody's Investor Service

Ratings

Exhibit 4

Category	Moody's Rating
ENERGEST S.A.	
Outlook	Stable
Issuer Rating -Dom Curr	Ba2
NSR Issuer Rating	Aa2.br
Senior Unsecured -Dom Curr	Ba2
NSR Senior Unsecured	Aa2.br
PARENT: EDP - ENERGIAS DE PORTUGAL, S.A.	
Outlook	Stable
Issuer Rating	Baa3

Bkd Sr Unsec MTN -Dom Curr	(P)Baa3
Jr Subordinate -Dom Curr	Ba2
Commercial Paper -Dom Curr	P-3

Source: Moody's Investors Service

© 2018 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 DO NOT 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.

CREDIT RATINGS AND MOODY'S PUBLICATIONS ARE NOT INTENDED FOR USE BY ANY PERSON AS A BENCHMARK AS THAT TERM IS DEFINED FOR REGULATORY PURPOSES AND MUST NOT BE USED IN ANY WAY THAT COULD RESULT IN THEM BEING CONSIDERED A BENCHMARK.

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 www.moody's.com 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 61 003 399 657 AFSL 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. ("MJJK") 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 MJJK. 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. MJJK 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.

MJJK 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 MJJK or MSFJ (as applicable) have, prior to assignment of any rating, agreed to pay to MJJK or MSFJ (as applicable) for appraisal and rating services rendered by it fees ranging from JPY200,000 to approximately JPY350,000,000.

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

CLIENT SERVICES

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