

Global Credit Research - 19 Oct 2015

Curitiba, Brazil

Ratings

Category	Moody's Rating
Outlook	Negative
Issuer Rating -Dom Curr	Ba1
Senior Unsecured -Dom Curr	Ba1
NSR Senior Unsecured	Aa2.br
NSR LT Issuer Rating	Aa2.br

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Key Indicators

[1]Companhia de Saneamento do Paraná - SANEPAR

	6/30/2015(L)	12/31/2014	12/31/2013	12/31/2012	12/31/2011
FFO Interest Coverage	4.6x	5.5x	8.2x	9.8x	8.2x
Debt / Capitalisation	42.8%	38.6%	35.5%	37.8%	36.9%
FFO / Net Debt	28.4%	32.6%	43.0%	69.1%	63.0%
RCF / Capex	0.6x	0.6x	0.7x	1.6x	2.1x

Source: Moody's Financial Metrics TM

[1] All ratios are calculated using Moody's Standard Adjustments.

Note: For definitions of Moody's most common ratio terms please see the accompanying [User's Guide](#).

Opinion

Rating Drivers

- Relatively stable cash flow based on long-term concessions signed with municipalities
- Strong credit metrics for the rating category
- Underdeveloped regulatory framework
- Sizeable capital expenditure program
- Resilient access to BNDES, Caixa and local capital markets
- Track record of political interference

Corporate Profile

Headquartered in Curitiba in the Brazilian state of Parana, Sanepar was founded in 1963. As of June 30, 2015, Sanepar had more than 2.9 million water connections and higher than 1.8 million sewage connections to provide treatment and distribution of water to approximately 10.8 million consumers and sewage service to 7.1 million consumers in 345 municipalities in the state of Paraná and one municipality in the state of Santa Catarina, which represents approximately 86% of the total municipalities in the State of Paraná. From the 346 municipalities in which Sanepar operates about 6% are in the process of being renewed because they have already expired, approximately 4% will expire from 2015 to 2020 and about 90% will expire after 2020.

Sanepar is controlled by the State of Paraná (Ba1/Aa2.br, negative) which owns 75% of Sanepar's voting shares and by Domino Holdings S.A. (not rated) which owns 24.7%, and others 0.3%. The company has also preferred shares which are spread out among the State of Paraná (29%), Domino Holdings S.A. (0.3%), Companhia Paranaense de Energia - Copel (14.9%), foreign investors (14.9%), Fundo Garantidor PPP - PR (14.3%) and others (26.6%).

In the last twelve months ended June 30, 2015, Sanepar reported net sales of BRL 2.7 billion and net profit of BRL 394 million.

Recent Events

On August 12, 2015, Moody's affirmed Sanepar's issuer ratings at Ba1/Aa2.br. At the same time, Moody's affirmed the ratings on Sanepar's outstanding Brazilian debentures at Ba1 and Aa2.br on the global and national scale, respectively. The outlook was changed to negative from stable for all ratings.

On August 11, 2015, Moody's downgraded Brazil's government bond rating to Baa3 from Baa2 and changed the outlook on the rating to stable from negative.

On July 28, 2015, Sanepar was authorized via a state decree an extraordinary tariff increase of 8.0% for its water utility provided services to cover the higher energy costs incurred over the last few quarters.

On June 15, 2015, Sanepar issued a BRL300 million senior unsecured amortizing debentures in up to three tranches with maturities up to 5 years which had the following financial covenants: i) Net Debt to EBITDA equal or less than 3.0x times and EBITDA to Interest Expenses equal or higher than 1.5x.

On March 24, 2015, the Government of Parana approved a 12.5% tariff increase of which 6.5% was implemented in March and 6.0% in June 2015.

On February 18, 2014, the State Government of Parana approved a 6.4% tariff increase, which has been in place since March 2014.

On October 23, 2013, Moody's assigned a Ba1 issuer rating on the global scale and Aa2.br issuer rating on the Brazilian national scale to Sanepar. At the same time, Moody's assigned a Ba1 rating on the global scale and a Aa2.br rating on the Brazilian national scale to senior unsecured amortizing BRL 300 million debentures issued in two tranches with maturities of 5 and 7 years. The outlook was stable for all ratings.

On August 27, 2013, the company's two major shareholders, the State government of Parana and Domino, reached an agreement to settle an existing BRL 1.1 billion liability represented by advances for capital increase. As a result, the state government of Parana converted BRL 797 million into capital and received the remaining portion with the above debenture proceeds.

On June 11, 2013, Moody's withdrew Sanepar's Ba2/A1.br issuer ratings after existing rated debentures expired at the end of December 2012.

In February 2013, the State Government of Parana approved a 6.9% tariff increase which became effective March 22, 2013.

On February 24, 2012, Moody's upgraded the ratings of the BRL55 million senior unsecured debentures due 2012 issued by Sanepar to Ba2 from Ba3 on global scale and to A1.br from A3.br on the Brazilian national scale. The review was prompted by the announcement of a 16.5% tariff increase on Sanepar's water and sewage services in February 2012. This was the second consecutive tariff adjustment approved by the state government in seven years. On February 2011, the state government approved rate relief of 16% breaking the cycle of a prolonged tariff freeze.

SUMMARY RATING RATIONALE

The Ba1/Aa2.br issuer ratings reflect Sanepar's strong credit metrics for the rating category along with its relatively predictable and stable cash flow supported by long-term contracts with most of the municipalities in the state of Parana to provide water and sewage services. The agreement between the company's two major shareholders on the previous BRL 1.1 billion in advances for capital increase concluded on November 29, 2013 further supports the ratings.

Sanepar's ratings are constrained by the early development stage of the regulatory framework for the two states where the company operates, its sizeable capital expenditure program and the track record of political interference by the state government of Parana which previously kept Sanepar's tariffs frozen from 2005 through 2010.

Moody's considers Sanepar a Government Related Issuer (GRI) as defined in Moody's rating methodology entitled "The Application of Joint Default Analysis to Government-Related Issuers". Moody's methodology for GRIs is to systematically incorporate into the rating both the stand-alone credit risk profile or Baseline Credit Assessment (BCA) of the Company as well as an assessment of the likelihood that its government owner would provide extraordinary support to the company's obligations. Please refer to Moody's "Government-Related Issuers" published in Oct 2014, available at moodys.com.br for additional information on GRIs.

In accordance with Moody's methodology for government related issuers, or GRIs, the Ba1 issuer rating of Sanepar reflects the combination of the following inputs:

A baseline credit assessment (BCA) Ba2

- High-level of dependence
- Moderate level of government support
- The Ba1 rating of the State Government of Parana, which has a negative outlook.

The Aa2.br national scale issuer rating reflects the standing of credit quality relative to domestic peers. Moody's National Scale Ratings (NSRs) are intended as relative measures of creditworthiness among debt issuances and issuers within a country, enabling market participants to better differentiate relative risks. NSRs in Brazil are designated by the ".br" suffix. NSRs differ from global scale ratings in that they are not globally comparable to the full universe of Moody's rated entities, but only with other rated entities within the same country.

DETAILED RATING CONSIDERATIONS

ATTRACTIVE CONCESSION AREA

Sanepar benefits from its monopolistic rights to provide water and sewage services through long term public concessions in attractive areas that covers most of the territory of the Parana state in the South of Brazil. As measured by GDP, the state of Parana is the fifth largest state in Brazil with a large and diversified economic base with a GDP per capita above the country's average.

The utility has invested substantially in the expansion of its network and currently provides treated water to 100% and sewage collection to approximately 66% of the urban population in its concession areas. The company aims at increasing sewage collection and treatment in the near future. Sanepar is an efficient water utility when compared to local peers, having managed to control costs and maintain productivity.

While only about 51% of the Brazilian urban population has access to sewage collection, of which just 35% is treated before disposal, Sanepar is treating about 99.9% of the collected sewage in its concession areas. Nevertheless, the company's overall efficiency indicators still compare unfavorably with international peers, particularly in regard to water losses of around 32% as of June 30, 2015.

SIGNIFICANT CAPEX PROGRAM

Sanepar has a planned BRL 2.7 billion capital expenditure program from 2015 through 2017 to reduce current water losses and increase its current 66% sewage services to the population in its concession area. Historically, Sanepar has funded its investment program by securing adequate long-term funding mostly granted by federal government owned financial entities such as Caixa Economica Federal (CEF) and Banco Nacional de Desenvolvimento Econômico e Social (BNDES). Lenders typically provide loans at subsidized interest rates and offer favorable repayment conditions as compared with the prevailing conditions in the local bank and capital

markets. Most of the funding to finance capex is typically raised in the domestic capital markets.

With the announcement of a series of changes in operational policies in June 2015 by BNDES, Sanepar should face some restrictions to continue to raise funding at historical levels and conditions.

STRONG CREDIT METRICS BOOSTED BY MATERIAL TARIFF INCREASES OVER THE PAST FOUR YEARS

Sanepar has strong credit metrics for the rating category with Funds From Operations (FFO) to Net Debt Ratio of 28.4% in the LTM to June 2015 and interest coverage of 4.6x reflecting the strong cash generation as measured by FFO. The current level of cash interest coverage provides the company with financial flexibility. These metrics map to the Aa and A categories, respectively, in Moody's rating methodology for global regulated water utilities.

Despite the strong credit metrics, all ratios have been worsening over the last few years as a result of the company's aggressive capex program. As a result, the ratio Retained Cash Flow (RCF) to Capex has reduced over the last three years from 1.6x in 2012 to 0.6x in June 2015 which falls into the Ba category as outlined in the water methodology while the other ratios shown above are still at strong levels in the investment grade category.

Sanepar posted consistently weaker operating margins from 2005 to 2010 as a result of a tariff freeze imposed by the state government. From 2011 to June 2015 the state government of Parana authorized material tariff increases to Sanepar of 16%, 16.5%, 6.9%, 6.4% and 12.5%, respectively. On July 28, 2015, Sanepar was authorized via a state decree to apply an extraordinary tariff increase of 8.0% for its water utility provided services effective August 28th. We expect that the tariff increase will help to mitigate the decline in the operating margin the last couple of years due to the negative effects of higher costs of energy which has also resulted in a continued decline in the EBITDA margin which declined to 35.9% in the last twelve months as of June 30, 2015 from the 40.8% EBITDA margin registered in 2013 which was down significantly from the 44.1% average for 2011 - 2012. As a reference, just in the first quarter 2015, energy expenses amounted to BRL164.4 million up from the BRL81.1 million incurred in the same period in 2014, a 102.7% increase. These amounts represented 29.7% and 19.8% of cash costs incurred in the 1H2015 and 1H2014, respectively.

Sanepar's debt profile is adequate as long term debt maturities are comfortably covered by CFO after dividends. The company's strong cash flow has largely stemmed from its relatively stable operating margins (an average of 28% over the last four years) along with still adequate interest coverage (4.0x in the LTM June 2015). The receipt of timely tariff adjustments over the last four years along with continuous annual volume sales growth explain the company's adequate operating margins registered during this period.

For the period 2015 to 2017, we forecast that cash flow as measured by the average FFO to Net Debt ratio will decline to 23.3% down significantly from the previous three-year average of 46.3%. We anticipate that the Interest coverage ratio will remain relatively strong at 4.0x in the same period although this compares unfavorably with the previous three-year average of 7.5x. The main reason for these expected declines is the sizeable capital expenditure program for the next three years (an average of approximately BRL900 million per year).

Notwithstanding the still relatively strong credit metrics for the rating category, the company's cash flow will continue to depend on timely and adequate tariff increases and the securing of adequate long term funding to meet its sizeable planned capital expenditure program.

UNDERDEVELOPED REGULATORY FRAMEWORK

The Federal Law 11,445 of January 2007, also known as the Basic Sanitation Law, and the Presidential Decree 7,217 of June 2010, established nationwide guidelines for basic sanitation and technical cooperation between states and municipalities. These legislative initiatives created a consolidated framework that specifically addresses the planning, supervision and operations of sanitation services in Brazil. Nevertheless, water and sewer services remain subject to several laws at both the state and municipal levels. At the municipal level, Sanepar operates pursuant to long-term concession agreements with 346 city governments, which are the concession authorities.

Although the Basic Sanitation Law includes some provisions for annual tariff adjustments, the rates are typically set by a state regulatory agency that may not be completely independent from political interference. In the State of Parana, the water and sewage services are regulated by the Water Institute of Parana, a regulatory entity associated with the state government. The Water Institute was created on October 13, 2009 under the framework of the Basic Sanitation Law with the objective of providing institutional and technical support to the implementation of instruments from the Water Resources State Politics and to regulate and monitor the basic sanitation services

in the state. The Water Institute is responsible for the reviews of Sanepar's periodic rate cases and for the determination of an appropriate tariff readjustment, but the ultimate approval is, however, a decision of the state governor.

We deem the quality of the regulatory framework in the state of Parana for the water and sewage services has improved over the last few years as it has actively participate in the discussions for the tariff increase, despite still lack of a formal and independent regulatory agency and a formal determination of the company's regulatory asset base, which prevents the settlement of a technical mechanism to periodically adjust the company's tariffs.

POLITICAL INTERFERENCE

The State of Paraná, as Sanepar's major shareholder, has supported the company as evidenced by its steady capital contributions by means of advances for future equity increases along with only moderate dividend requirements in recent years. Conversely, the state government maintained a tariff freeze from 2005 through 2010, while the utility maintained a significant capital expenditure program.

In September 2013, the company's board of directors decided to convert part of the state government advances for future capital increases into short-term debt. This decision was, in our opinion, the result of a long judicial dispute between the State of Parana and the minority shareholder Dominó with respect to a Shareholders' Agreement to control Sanepar.

On August 27, 2013, a new shareholding agreement was signed and in October 2013 an agreement regarding the advances for future capital increases was reached. Out of the total amount of BRL 1.1 billion, BRL 797 million was converted into preferred shares. As a result, Sanepar's total capital increased to BRL 2,597 million from BRL 1,800 million. Going forward, we expect that the state government of Parana will continue to support of Sanepar's operations and comply with the new shareholders' agreement.

ASSET OWNERSHIP MODEL

The key water and sewerage assets of Sanepar are held under long-term concessions with entitlement to recover the value of residual assets at the end of the concession; however, concession termination procedures are still untested. In general, the majority of Sanepar's municipal concession contracts expire in the long term, with an average contract life between 20 and 30 years. Nevertheless, around 6% of Sanepar's 346 municipal concession agreements have expired and are currently under negotiation for renewal. An additional 4% of the concessions mature from 2015 to 2020 while approximately 90% have agreements that expire after 2020. While the municipalities lack sufficient financial resources to fund investments or to reimburse Sanepar for past investments themselves, the company continues to operate the assets of expired concessions.

Sanepar is currently negotiating the renewal of those agreements for an additional 30 years under the framework of the Basic Sanitation Law, which requires the completion of a 4-year Sanitation Plan for each municipality. In 2009, the Parana governor created the Water's Institute to work as a regulatory agency for sanitation services in the state pursuant to cooperation agreements with the municipalities. Over the last few years we have seen little progress on the renewal of expired concessions as a result of delays in the implementation of new regulatory requirements. Looking forward, management expects to complete the renewals of 65% of the matured concessions up to 2016 and the remaining 35% during the next few years. A successful renewal of a significant number of expired concessions under a more stable regulatory framework that includes timely tariff adjustments for cost recovery could trigger a more positive view for Sanepar's ratings.

Liquidity

Like most Brazilian companies, Sanepar does not have committed banking facilities to help fund any unexpected cash disbursements, if needed. Notwithstanding, Sanepar has been able to access the local capital markets via debentures issuances as well as financing from local private and public banks such as the BNDES and CEF. In order to finance capex, Sanepar has approved approximately BRL1.6 billion in long term financing with BNDES, Caixa, Funasa and others, an amount which is sufficient to finance about 60% of the planned capital expenditures for the next three years, which substantially mitigates any liquidity issue during these years.

According to Moody's standard adjustments, as of June 30, 2015, Sanepar had a cash & equivalents position of BRL 364 million against total short-term financial debt of BRL272 million due in the following 12 months, and gross financial debt of BRL2.8 billion. Given that the majority of Sanepar's financial debt is due in the longer term, and that the Company has a proven track record in successfully accessing both the capital markets and bank financing, we expect that Sanepar will manage to maintain an adequate liquidity position in the next 12-18 months.

We expect that Sanepar will balance its capital expenditures and the payment of dividends in the face of any cash shortfall which may occur; for example, if the company is not granted tariff increases as planned or some other unexpected event negatively affects cash generation.

Corporate Governance

Sanepar's corporate governance practices have evolved significantly since it adopted a permanent and independent supervisory council and started to publish quarterly cash flow statements. Additionally, in 2013 the litigation between the State of Parana and the minority shareholder Domino reached an agreement, which culminated with the settlement of the existing BRL 1.1 billion advances for future capital increase.

Sanepar's Board of Directors has nine members, of which five are appointed by the State of Parana.

Three are nominated by minority shareholders and one by the employees.

Sanepar's By-laws limit the level of indebtedness in accordance to the following ratios:

- Net Debt / EBITDA equal to or lower than 3.0 times;
- EBITDA / Net Revenues equal to or higher than 35%;
- EBITDA / Debt Service equal to or higher than 1.5 times;

Sanepar has historically complied with its financial covenants.

Rating Outlook

The ratings' negative outlook primarily reflects the result of the negative outlook on the State of Parana rather than the operations of Sanepar itself. The outlook could be stabilized if the sub-sovereign's credit quality improves significantly along with the company's financial performance improves consistently above our expectations. We also consider that Sanepar will manage its capital structure prudently and finance its capex program and the payment of dividends in a way that keeps the company's credit metrics compatible with the rating category.

What Could Change the Rating - Up

The strengthening of Sanepar's credit metrics on a sustainable basis as a result of stronger cash flow generation and lower leverage which would result if FFO to Net Debt rises above 25% and interest coverage increases above 4.5x on a sustainable basis. An upgrade will also depend on the maintenance of annual tariff adjustments and capital expenditure discipline. A rating upgrade could also be triggered by a perceived material evolution in the current regulatory framework.

What Could Change the Rating - Down

We would consider a downgrade rating action if the company fails in securing adequate long-term funding to finance its BRL 2.7 billion current capital expenditure program for 2015 - 2017 period leading to a deterioration in its liquidity position. A potential new tariff freeze could also prompt a downgrade rating action that subsequently resulted in the FFO to Net Debt ratio falling below 15% and interest coverage declining to 3.5x or lower for an extended period. In addition, a further deterioration in the state of Parana's sub-sovereign or in the Brazil's sovereign credit quality could also trigger a rating action as well as our perception of a decline in the level of supportiveness, consistency and predictability of the state of Paraná and of Brazilian regulatory environment. The withdrawal of the rating of State of Parana could also prompt a potential downgrade on Sanepar's ratings.

Rating Factors

Companhia de Saneamento do Paraná - SANEPAR

Global Regulated Water Utilities	[1]Current 6/30/2015		[2]Moody's 12 - 18 month	
Factor 1: Regulatory Environment & Asset Ownership Model (40%)	Measure	Score	Measure	Score
a) Stability and Predictability of Regulatory Environment		B		B

b) Asset Ownership Model		Ba		Ba
c) Cost and Investment Recovery (Ability & Timeliness)		Ba		Ba
d) Revenue Risk		Ba		Ba
Factor 2: Operational Characteristics & Asset Risk (10%)				
a) Operational Efficiency		Baa		Baa
b) Scale and Complexity of Capital Programme & Asset Condition Risk		Ba		Ba
Factor 3: Stability of Business Model & Financial Structure (10%)				
a) Ability and Willingness to pursue Opportunistic Corporate Activity (M&A, Disposals & Investments)		Baa		Baa
b) Ability and Willingness to Increase Leverage		Baa		Baa
c) Targeted Proportion of Operating Profit Outside Core Water and Wastewater Activities		Aa		Aa
Factor 4: Key Credit Metrics (40%) [1]				
a) FFO Interest Coverage	7.3x	Aa	4.0x	Baa
b) Debt / Capitalization	39.1%	Aa	44.6%	A
c) FFO / Net Debt	41.2%	Aaa	23.2%	A
d) RCF / Capex	0.82x	Ba	0.60x	Ba
Rating:				
a) Indicated Factor-Rating from Grid		Baa3		Ba1
+ Rating Uplift for Additional Creditor Protection				0
= Final Indicated Rating from Grid		Baa3		Ba1
b) Actual Rating Assigned		Baa3		Ba1

Government-Related Issuer	Factor
a) Baseline Credit Assessment	ba2
b) Government Local Currency Rating	Ba1
c) Default Dependence	High
d) Support	Moderate
e) Final Rating Outcome	Ba1

[1] 3-year historical average [2] 12-18 month Moody's forecast

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