

Grupo Energia Bogota S.A. E.S.P. (GEB)

Grupo Energia Bogota S.A. E.S.P.'s (GEB) ratings reflect the company's stable cash flow generation, strong business position and adequate liquidity. The ratings also reflect Fitch Ratings' expectations for GEB's credit metrics to remain in line with its rating level over the medium term. Additionally, the ratings reflect GEB's reliance on dividends from its financially solid subsidiaries to service its debt and the company's ongoing growth strategy and aggressive dividend policy.

Fitch's base case incorporates short-term EBITDA pressures and expects GEB's gross leverage to be approximately 4.1x in 2024, with a subsequent deleverage to an average of 3.5x, aligning with the 'BBB' category.

Key Rating Drivers

Uptick in Leverage: The appreciation of the Colombian peso against the U.S. dollar through 2024 has adversely impacted Gas Natural de Lima y Callao S.A. (Cálidda) (BBB/Stable) due to FX exposure. Along with less dividends to be received from Enel Colombia (estimated at USD202 million in 2024), Fitch expects EBITDA generation to fall in 2024. This will be partially offset by increased revenue in the transmission business, significant dividend payments from Enel Colombia in 2025 (USD283 million) and from retained earnings from the Argo subsidiary in Brazil in 2024 and 2025.

Contracted demand at Transportadora de Gas Internacional S.A. ESP (TGI, BBB/Stable) is expected to fall in 2025, resulting in less revenue from the gas transportation business. No major acquisitions are anticipated in the near term. Consequently, Fitch expects gross leverage to rise to 4.1x in 2024, then gradually decrease to 3.9x in 2025 and 3.5x in 2026.

Solid Business Position: GEB's ratings reflect its diversified portfolio of regulated businesses, mostly comprising companies with solid market position and credit profiles. The company operates in the Colombian electricity transmission business and in the electricity generation and distribution businesses through its associate, Enel Colombia. It also has controlling stakes in energy assets that operate as regulated natural monopolies within their served areas. GEB fully owns TGI, Colombia's largest natural gas transportation company, and has a 60% stake in Cálidda, the largest natural gas distribution company in Peru.

GEB is rated above Colombia's Country Ceiling (BBB-) because its applicable Country Ceiling is that of Perú (A-). This is due to the significant EBITDA generated by its Peruvian subsidiary, Cálidda, and the dividends from its 40% stake in the Peruvian transmission companies Consorcio Transmantaro S.A. (CTM, BBB/Stable) and Red Energia de Peru, which together are sufficient to cover GEB's estimated consolidated foreign-currency interest payments.

Stable Cash Flow Generation: GEB's operations benefits from business diversification through its participation in companies with low business-risk profiles and stable, predictable cash flow. Most GEB subsidiaries operate as regulated monopolies with limited volume risk in their respective sectors. TGI is GEB's most important asset, expected to contribute 47% of EBITDA from controlled companies in 2024.

GEB fully controls TGI and faces no limitation to its cash generation. The electricity transmission business at the holding level is expected to increase its EBITDA contribution in the medium term. GEB plans to invest approximately USD637 million in capex from 2024 to 2027 to complete projects granted by the government's planning unit.

Ratings

Grupo Energia Bogota S.A. E.S.P. (GEB)

Long-Term IDR	BBB
Long-Term Local-Currency IDR	BBB
National Long-Term Rating	AAA(col)
Senior Unsecured Debt - Long-Term Rating	BBB

Outlooks

Long-Term Foreign-Currency IDR	Stable
Long-Term Local-Currency IDR	Stable
National Long-Term Rating	Stable

[Click here for the full list of ratings](#)

2035 Climate Vulnerability Signal: 27

Applicable Criteria

- [Country Ceiling Criteria \(July 2023\)](#)
- [Government-Related Entities Rating Criteria \(July 2024\)](#)
- [National Scale Rating Criteria \(December 2020\)](#)
- [Parent and Subsidiary Linkage Rating Criteria \(June 2023\)](#)
- [Corporate Rating Criteria \(November 2023\)](#)
- [Corporate Recovery Ratings and Instrument Ratings Criteria \(August 2024\)](#)

Related Research

- [Global Corporates Macro and Sector Forecasts](#)
- [Latin American Utilities – Relative Credit Analysis \(June 2024\)](#)
- [Latin American Electricity Generation – Relative Credit Analysis \(June 2024\)](#)
- [Latin American Midstream – Relative Credit Analysis \(August 2024\)](#)

Analysts

Eva Rippeteau
+1 212 908 9105
eva.rippeteau@fitchratings.com

Juan David Medellin, CFA
+57 601 241 3227
juandavid.medellin@fitchratings.com

Portfolio of High Credit Quality: GEB is an operating holding company that primarily derives cash from its subsidiaries and non-controlling stakes. GEB's cash flow benefits from dividends received from a portfolio of mostly investment-grade companies or those with the highest national scale ratings. This predictable dividend stream mitigates the structural subordination of the dividends to the debt service at GEB's level.

Enel Colombia S.A. E.S.P. (BBB/Stable), the second-largest electricity generation company and the main distribution company in Colombia, will make up 53% of GEB's dividends received from non-controlling interests in 2024. The rating incorporates the granting of guarantees and other support instruments to Contugas S.A.C. and Transportadora de Energía de Centroamérica S.A. for the execution of loan agreements and/or other credit facilities for up to USD430 million.

Regulatory Risk: Fitch considers GEB's exposure to regulatory risk to be low to moderate, given the company's concentration in regulated businesses within Colombia and recent attempts by President Gustavo Petro to control public-service regulations. Currently, tariff structures in Colombia have maintained their technical criteria that balances both companies' and end-clients' interests. Any regulatory changes must not cause hardship and must provide financial stability to all market players. This risk is partially offset by GEB's geographic diversification and the solid business position of its subsidiaries.

Standalone Credit Profile: GEB's credit profile aligns with its 'BBB' rating and is not capped by the credit profile of its controlling owner, Bogota, Capital District (BB+/Stable). Fitch believes regulatory ring-fencing mechanisms, material minority shareholders, and strong governance practices reduce the parent's capacity to extract value from its stronger subsidiary. GEB operates with independence and autonomy, positively affecting its ratings. Under Fitch's *Parent and Subsidiary Linkage Rating Criteria*, these factors allow Fitch to rate GEB two notches above Bogota's consolidated profile.

Financial Summary

(USD Mil.)	2022	2023	2024F	2025F
Gross revenue	1,429	2,087	1,888	1,843
EBITDA	604	922	813	794
EBITDA margin (%)	42.3	44.2	43.1	43.1
EBITDA leverage (x)	4.3	3.6	4.1	3.9
EBITDA interest coverage (x)	5.4	3.2	3.2	3.2

F – Forecast

Source: Fitch Ratings, Fitch Solutions

Rating Derivation Relative to Peers

GEB's low business-risk profile is commensurate with its investment-grade rating and is comparable to Enel Americas S.A. (BBB+/Stable), AES Andes S.A. (BBB-/Stable) and Promigas S.A. E.S.P. (BBB-/Stable). GEB's ratings are one notch below Enel Americas', as the latter has a strong diversified and geographic footprint in South America and has a more conservative capital structure. Fitch estimates Enel Americas' gross leverage will remain below 2.0x over the rating horizon to 2026, while Fitch projects GEB's leverage to average 3.5x over the rating horizon as increased cash flow from its underlying businesses is paid out in dividends.

GEB's ratings are two notches above those of Empresas Publicas de Medellin E.S.P. (EPM, BB+/Rating Watch Negative), as GEB compensates its higher dependence on dividends received from non-controlling stakes with core businesses with high cash flow predictability, such as electricity transmission and natural gas transportation. EPM's EBITDA has a higher participation in the competitive electricity generation business and its ratings are linked to that of its owner, the City of Medellin (BB+/Stable). GEB's National Long-Term Rating of 'AAA(col)'/Stable is in line with that of EPM, which is rated 'AAA(col)'/Rating Watch Negative. EPM's ratings are on Negative Watch, reflecting the ongoing uncertainty surrounding the Ituango Hydroelectric project.

GEB is rated one notch above AES Andes and Promigas. GEB's operating environment and exposure to regulated business bode well for its credit quality in comparison with AES Andes, which operates in a more competitive environment. Promigas is also rated one notch below GEB on the international scale, given its lower business and geographic diversification and higher leverage.

Navigator Peer Comparison

	IDR/Outlook	Operating Environment	Management and Corporate Governance	Regulatory Environment	Commodity Exposure	Market Position	Asset Base and Operations	Profitability	Financial Structure	Financial Flexibility
Empresas Publicas de Medellin E.S.P. (EPM)	BB+/RWN	bbb-	bb+	bbb	bbb	bbb	bbb+	bbb-	bbb	bbb
Enel Americas S.A.	BBB+/Stable	bbb	bbb+	bbb	bbb	bbb	a-	a	a	a
Grupo Energia Bogota S.A. E.S.P. (GEB)	BBB/Stable	bbb-	bbb	bbb	bbb	bbb	bbb	bbb-	bbb	bbb-
Interconexion Electrica S.A. E.S.P.	BBB/Stable	bbb	a-	bbb	bbb+	bbb+	bbb+	bbb+	bbb	bbb

Source: Fitch Ratings.

Relative Importance of Factor: Higher (Red), Moderate (Blue), Lower (Light Blue)

Name	IDR/Outlook	Operating Environment	Management and Corporate Governance	Regulatory Environment	Commodity Exposure	Market Position	Asset Base and Operations	Profitability	Financial Structure	Financial Flexibility
Empresas Publicas de Medellin E.S.P. (EPM)	BB+/RWN	+1	0	+2	+2	+2	+3	+1	+2	+2
Enel Americas S.A.	BBB+/Stable	-1	0	-1	-1	-1	+1	+2	+2	+2
Grupo Energia Bogota S.A. E.S.P. (GEB)	BBB/Stable	-1	0	0	0	0	0	-1	0	-1
Interconexion Electrica S.A. E.S.P.	BBB/Stable	0	+2	0	+1	+1	+1	+1	0	0

Source: Fitch Ratings.

Factor Score Relative to IDR: Worse positioned than IDR (Red), Within one notch of IDR (Blue), Better positioned than IDR (Light Blue)

Rating Sensitivities

Factors that Could, Individually or Collectively, Lead to Positive Rating Action/Upgrade

- A positive rating action or Outlook revision is unlikely in the near to medium term given the company's expectations of EBITDA pressures and potential elevated capex in the medium term;
- The company reduces its leverage below 2.5x on a sustained basis after the regulatory tariff reset and the company's investment program is completed;

Factors that Could, Individually or Collectively, Lead to Negative Rating Action/Downgrade

- A negative rating action on the company's majority owner, Bogota;
- Gross leverage levels sustainably above 4.0x;
- Influence from the company's shareowners results in a sub-optimal financial or operational strategy that could weaken the group's credit quality;
- Significantly large acquisitions mostly financed with incremental debt;
- Material cost overruns or delays in the start of operations of sizable projects that pressure GEB's credit metrics.

Liquidity and Debt Structure

Manageable Liquidity: GEB's liquidity remains adequate, supported by high cash on hand, predictable cash flow from operations and proven access to bank and capital markets, through the holding company and its subsidiaries. As of June 2024, the company held approximately USD539 million in cash and equivalents and an estimated CFO for 2024 of around USD730 million. GEB faces near-term debt maturities of USD430 million in the remainder of 2024 and USD175 million in 2025. Fitch expects the company will be able to successfully refinance its upcoming maturities with a mix of bank and capital market resources.

ESG Considerations

The highest level of ESG credit relevance is a score of '3', unless otherwise disclosed in this section. A score of '3' means ESG issues are credit neutral or have only a minimal credit impact on the entity, either due to their nature or the way in which they are being managed by the entity. Fitch's ESG Relevance Scores are not inputs in the rating process; they are an observation on the relevance and materiality of ESG factors in the rating decision. For more information on Fitch's ESG Relevance Scores, visit <https://www.fitchratings.com/topics/esg/products#esg-relevance-scores>.

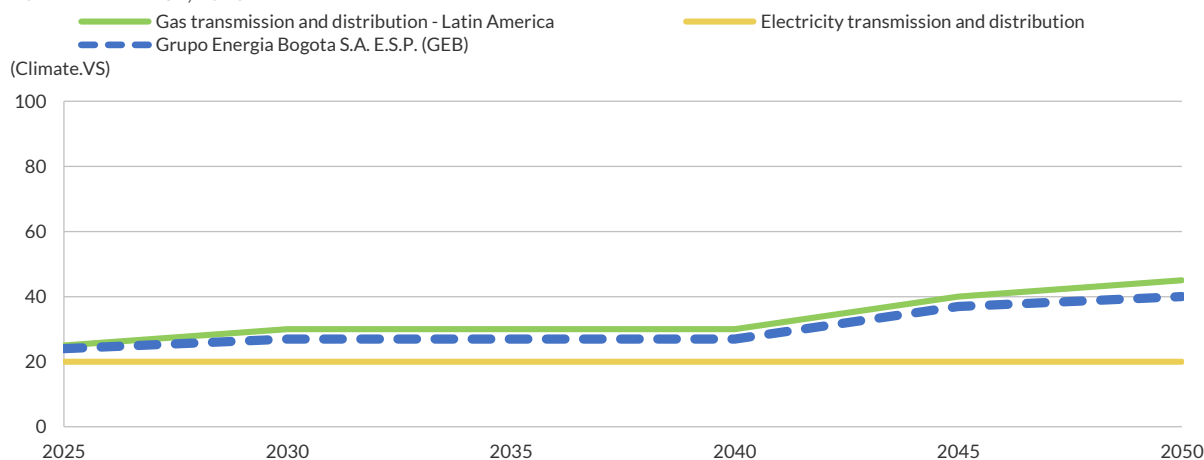
Climate Vulnerability Considerations

Fitch uses Climate Vulnerability Signals (Climate.VS) as a screening tool to identify sectors and Fitch-rated issuers that are potentially most exposed to credit-relevant climate transition risks and, therefore, require additional consideration of these risks in rating reviews. Climate.VS range from 0 (lowest risk) to 100 (highest risk). For more information on Climate.VS, see Fitch’s [Corporate Rating Criteria](#). For more detailed, sector-specific information on how Fitch perceives climate-related transition risks, see [Climate Vulnerability Signals for Non-Financial Corporate Sectors](#).

The 2023 revenue-weighted Climate.VS for GEB for 2035 is 27 out of 100, suggesting low exposure to climate related risks in that year.

Climate.VS Evolution

As of December 31, 2023



Source: Fitch Ratings

Liquidity and Debt Maturities

Cash and Maturities Report

(COP Mil.)	December 31, 2022	December 31, 2023
Total cash and cash equivalents	1,477,821	2,289,704
Short-term investments	4,214	
Less not readily available cash and cash equivalents	—	—
Fitch-defined readily available cash and cash equivalents	1,482,035	2,289,704
Availability under committed lines of credit	—	—
Total liquidity	1,482,035	2,289,704
LTM EBITDA after associates and minorities	4,745,565	5,171,778
LTM FCF	101,723	-807,753

Source: Fitch Ratings, Fitch Solutions, Grupo Energia Bogota S.A. E.S.P. (GEB)

Scheduled debt maturities

(COP Mil.)	June 30, 2024
2024	1,650,803
2025	672,243
2026	2,681,637
2027	3,636,338
2028	2,670,538
Thereafter	8,004,493
Total	19,316,503

Source: Fitch Ratings, Fitch Solutions, Grupo Energia Bogota S.A. E.S.P. (GEB)

Key Assumptions

- GEB's revenues and EBITDA projected performance reflect expansion in the operations at GEB holding company level, along with TGI and Cálidda, following the projects executed by the companies and the implementation of new tariff frameworks;
- GEB's capex execution in the medium term incorporates projects already granted to the company, coupled with the ones with higher probability of being executed, averaging roughly USD320 million per year between 2024-2027;
- No major acquisition is assumed over the rating horizon;
- Dividends received from non-controlling interests of USD465 million annually on average between 2024-2027;
- Dividends paid to shareholders equal to approximately 70% of the previous year's net income.

Financial Data

(USD Mil.)	2021	2022	2023	2024F	2025F	2026F
Summary income statement						
Gross revenue	1,390	1,429	2,087	1,888	1,843	1,935
Revenue growth (%)	8.4	23.7	16.1	-1.9	-2.4	5.0
EBITDA before income from associates	613	604	922	813	794	887
EBITDA margin (%)	44.1	42.3	44.2	43.1	43.1	45.8
EBITDA after associates and minorities	1,166	987	1,353	1,122	1,189	1,350
EBITDAR	613	604	922	813	794	887
EBITDAR margin (%)	44.1	42.3	44.2	43.1	43.1	45.8
EBIT	449	439	688	605	577	668
EBIT margin (%)	32.3	30.7	33.0	32.0	31.3	34.5
Gross interest expense	-163	-199	-361	-347	-369	-389
Pretax income including associate income/loss	778	749	884	773	808	819
Summary balance sheet						
Readily available cash and equivalents	424	308	599	380	396	467
Debt	3,783	4,229	4,874	4,554	4,677	4,658
Lease-adjusted debt	3,783	4,229	4,874	4,554	4,677	4,658
Net debt	3,359	3,921	4,275	4,174	4,282	4,191
Summary cash flow statement						
EBITDA	613	604	922	813	794	887
Cash interest paid	-154	-181	-428	-347	-369	-389
Cash tax	-134	-77	-99	-104	-103	-141
Dividends received less dividends paid to minorities (inflow/outflow)	552	383	431	309	395	463
Other items before FFO	102	29	89	—	—	—
FFO	987	766	959	670	717	820
FFO margin (%)	71.0	53.6	45.9	35.5	38.9	42.4
Change in working capital	-249	51	-220	5	6	-13
CFO (Fitch-defined)	739	817	739	676	723	807
Total non-operating/nonrecurring cash flow	—	—	—	—	—	—
Capex	-171	-396	-375	—	—	—
Capital intensity (capex/revenue) (%)	12.3	27.7	18.0	—	—	—
Common dividends	-650	-399	-575	—	—	—
FCF	-82	21	-211	—	—	—
FCF margin (%)	-5.9	1.5	-10.1	—	—	—
Net acquisitions and divestitures	—	-89	—	—	—	—
Other investing and financing cash flow items	207	-408	-61	—	—	—
Net debt proceeds	85	432	485	64	123	-19
Net equity proceeds	—	—	—	—	—	—
Total change in cash	210	-44	212	-172	16	72
Leverage ratios (x)						
EBITDA leverage	3.2	4.3	3.6	4.1	3.9	3.5
EBITDA net leverage	2.9	4.0	3.2	3.7	3.6	3.1
EBITDAR leverage	3.2	4.3	3.6	4.1	3.9	3.5
EBITDAR net leverage	2.9	4.0	3.2	3.7	3.6	3.1
FFO adjusted leverage	3.3	4.5	3.6	4.5	4.3	3.9
FFO adjusted net leverage	3.0	4.2	3.2	4.1	3.9	3.5
FFO leverage	3.3	4.5	3.6	4.5	4.3	3.9
FFO net leverage	3.0	4.2	3.2	4.1	3.9	3.5

(USD Mil.)	2021	2022	2023	2024F	2025F	2026F
Calculations for forecast publication						
Capex, dividends, acquisitions and other items before FCF	-820	-885	-950	-911	-830	-716
FCF after acquisitions and divestitures	-82	-68	-211	-236	-107	90
FCF margin after net acquisitions (%)	-5.9	-4.8	-10.1	-12.5	-5.8	4.7
Coverage ratios (x)						
FFO interest coverage	7.4	5.2	3.1	2.9	2.9	3.1
FFO fixed-charge coverage	7.4	5.2	3.1	2.9	2.9	3.1
EBITDAR fixed-charge coverage	7.6	5.4	3.2	3.2	3.2	3.5
EBITDAR net fixed-charge coverage	8.0	5.7	3.5	3.2	3.2	3.5
EBITDA interest coverage	7.6	5.4	3.2	3.2	3.2	3.5
Additional metrics (%)						
CFO-capex/debt	15.0	9.9	7.5	4.5	7.0	11.8
CFO-capex/net debt	16.9	10.7	8.5	4.9	7.6	13.1
CFO/capex	432.1	206.0	196.8	142.9	182.2	312.9

CFO – Cash flow from operations
Source: Fitch Ratings, Fitch Solutions

How to Interpret the Forecast Presented

The forecast presented above is based on Fitch Ratings' internally produced, conservative rating case forecast. It does not represent the forecast of the rated issuer. The forecast set out above is only one component used by Fitch Ratings to assign a rating or determine a rating outlook, and the information in the forecast reflects material but not exhaustive elements of Fitch Ratings' rating assumptions for the issuer's financial performance. As such, it cannot be used to establish a rating, and it should not be relied on for that purpose. Fitch Ratings' forecasts are constructed using a proprietary internal forecasting tool, which employs Fitch Ratings' own assumptions on operating and financial performance that may not reflect the assumptions that you would make. Fitch Ratings' own definitions of financial terms such as EBITDA, debt or free cash flow may differ from your own such definitions. Fitch Ratings may be granted access, from time to time, to confidential information on certain elements of the issuer's forward planning. Certain elements of such information may be omitted from this forecast, even where they are included in Fitch Ratings' own internal deliberations, where Fitch Ratings, at its sole discretion, considers the data may be potentially sensitive in a commercial, legal or regulatory context. The forecast (as with the entirety of this report) is produced strictly subject to the disclaimers set out at the end of this report. Fitch Ratings may update the forecast in future reports but assumes no responsibility to do so. Original financial statement data for historical periods is processed by Fitch Solutions on behalf of Fitch Ratings. Key financial adjustments and all financial forecasts credited to Fitch Ratings are generated by rating agency staff.

Ratings Navigator

FitchRatings

Grupo Energia Bogota (GEB)

ESG Relevance:

Corporates Ratings Navigator
Latin America Utilities

Factor Levels	Sector Risk Profile	Operating Environment	Business Profile				Financial Profile			Issuer Default Rating
			Management and Corporate Governance	Regulatory Environment	Commodity Exposure	Market Position	Asset Base and Operations	Profitability	Financial Structure	
aaa										AAA
aa+										AA+
aa										AA
aa-										AA-
a+	↓									A+
a										A
a-										A-
bbb+			↓	↓	↓	↓	↓	↓	↓	BBB+
bbb										BBB
bbb-										BBB-
bb+		↓								BB+
bb										BB
bb-										BB-
b+										B+
b	↓	↓								B
b-										B-
ccc+										CCC+
ccc										CCC
ccc-										CCC-
cc										CC
c										C
d or rd										D or RD

Bar Chart Legend:	
Vertical Bars = Range of Rating Factor	Bar Arrows = Rating Factor Outlook
Bar Colors = Relative Importance	<ul style="list-style-type: none"> ↑ Positive ↓ Negative ↕ Evolving □ Stable
<ul style="list-style-type: none"> ■ Higher Importance ■ Average Importance ■ Lower Importance 	

Operating Environment			Management and Corporate Governance																													
bbb	Economic Environment	bbb	a-	Management Strategy	bbb																											
bbb-	Financial Access	bbb	bbb+	Governance Structure	bbb																											
	Systemic Governance	bb	bbb	Group Structure	bbb																											
b-			bbb-	Financial Transparency	bbb																											
ccc+			bb+																													
<p>Regulatory Environment</p> <tr> <td>a-</td> <td>Independence</td> <td>bbb</td> <td>a-</td> <td>Price and Volume Risk</td> <td>bbb</td> </tr> <tr> <td>bbb+</td> <td>Balance</td> <td>bbb</td> <td>bbb+</td> <td>Counterparty Risk</td> <td>bbb</td> </tr> <tr> <td>bbb</td> <td>Transparency</td> <td>bbb</td> <td>bbb</td> <td></td> <td></td> </tr> <tr> <td>bbb-</td> <td>Recourse of Law</td> <td>bbb</td> <td>bbb-</td> <td></td> <td></td> </tr> <tr> <td>bb+</td> <td>Timeliness of Cost Recovery</td> <td>bbb</td> <td>bb+</td> <td></td> <td></td> </tr>			a-	Independence	bbb	a-	Price and Volume Risk	bbb	bbb+	Balance	bbb	bbb+	Counterparty Risk	bbb	bbb	Transparency	bbb	bbb			bbb-	Recourse of Law	bbb	bbb-			bb+	Timeliness of Cost Recovery	bbb	bb+		
a-	Independence	bbb	a-	Price and Volume Risk	bbb																											
bbb+	Balance	bbb	bbb+	Counterparty Risk	bbb																											
bbb	Transparency	bbb	bbb																													
bbb-	Recourse of Law	bbb	bbb-																													
bb+	Timeliness of Cost Recovery	bbb	bb+																													

Market Position			Asset Base and Operations		
a-	Consumption Growth Trend	bbb	a-	Asset Diversity	bbb
bbb+	Customer Mix	bbb	bbb+	Reliability of Operations and Cost Position	bbb
bbb	Geographic Location	bbb	bbb	Exposure to Environmental Regulations	bbb
bbb-	Supply Demand Dynamics	bbb	bbb-	Capital and Technological Intensity of Capex	bbb
bb+			bb+		

Profitability			Financial Structure		
bbb+	Volatility of Profitability	bbb	a-	EBITDA Leverage	bbb
bbb	Free Cash Flow	bb	bbb+	EBITDA Net Leverage	bbb
bbb-			bbb		
bb+			bbb-		
bb			bb+		

Financial Flexibility			Credit-Relevant ESG Derivation			
bbb+	Financial Discipline	bb	<p>Grupo Energia Bogota (GEB) has 9 ESG potential rating drivers</p> <ul style="list-style-type: none"> Networks' exposure to extreme weather events -negative (e.g. risk of drought and flooding) or positive (e.g. additional return on resilience capex) Regulatory-driven access and affordability targets of utility services Quality and safety of products and services; data security Impact of labor negotiations and employee (dis)satisfaction Social resistance to major projects that leads to delays and cost increases Governance is minimally relevant to the rating and is not currently a driver. 			
bbb	Liquidity (Cash+CFO)/S-T Debt	bbb	key driver	0	ISSUES	5
bbb-	EBITDA Interest Coverage	bbb	driver	0	ISSUES	4
bb+	FX Exposure	bb	potential driver	9	ISSUES	3
bb			not a rating driver	3	ISSUES	2
				2	ISSUES	1

How to Read This Page: The left column shows the three-notch band assessment for the overall Factor, illustrated by a bar. The right column breaks down the Factor into Sub-Factors, with a description appropriate for each Sub-Factor and its corresponding category.

For further details on Credit-Relevant ESG scoring, see page 3.

Credit-Relevant ESG Derivation

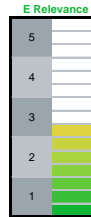
Grupo Energia Bogota (GEB) has 9 ESG potential rating drivers

- Grupo Energia Bogota (GEB) has exposure to extreme weather events but this has very low impact on the rating.
- Grupo Energia Bogota (GEB) has exposure to access/affordability risk but this has very low impact on the rating.
- Grupo Energia Bogota (GEB) has exposure to customer accountability risk but this has very low impact on the rating.
- Grupo Energia Bogota (GEB) has exposure to labor relations & practices risk but this has very low impact on the rating.
- Grupo Energia Bogota (GEB) has exposure to social resistance but this has very low impact on the rating.
- Governance is minimally relevant to the rating and is not currently a driver.

key driver	0	issues	5
driver	0	issues	4
potential driver	9	issues	3
	3	issues	2
not a rating driver	2	issues	1

Environmental (E) Relevance Scores

General Issues	E Score	Sector-Specific Issues	Reference
GHG Emissions & Air Quality	1	Emissions from operations	Asset Base and Operations; Regulatory Risk; Profitability; Financial Structure
Energy Management	2	Energy and fuel use in operations; entities' financial targets for losses/shrinkage	Asset Base and Operations; Commodity Price and Market Risk; Profitability; Financial Structure
Water & Wastewater Management	1	Water usage in operations; water utilities' financial targets for water quality, leakage and usage	Asset Base and Operations; Regulatory Risk; Profitability
Waste & Hazardous Materials Management; Ecological Impacts	2	Impact of waste including pollution incidents; discharge compliance; sludge, coal ash	Asset Base and Operations; Regulatory Risk; Profitability
Exposure to Environmental Impacts	3	Networks' exposure to extreme weather events- negative (e.g. risk of drought and flooding) or positive (e.g. additional return on resilience capex)	Asset Base and Operations; Commodity Price and Market Risk; Profitability



How to Read This Page

ESG relevance scores range from 1 to 5 based on a 15-level color gradation. Red (5) is most relevant to the credit rating and green (1) is least relevant.

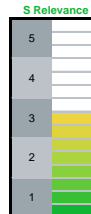
The Environmental (E), Social (S) and Governance (G) tables break out the ESG general issues and the sector-specific issues that are most relevant to each industry group. Relevance scores are assigned to each sector-specific issue, signaling the credit-relevance of the sector-specific issues to the issuer's overall credit rating. The Criteria Reference column highlights the factor(s) within which the corresponding ESG issues are captured in Fitch's credit analysis. The vertical color bars are visualizations of the frequency of occurrence of the highest constituent relevance scores. They do not represent an aggregate of the relevance scores or aggregate ESG credit relevance.

The Credit-Relevant ESG Derivation table's far right column is a visualization of the frequency of occurrence of the highest ESG relevance scores across the combined E, S and G categories. The three columns to the left of ESG Relevance to Credit Rating summarize rating relevance and impact to credit from ESG issues. The box on the far left identifies any ESG Relevance Sub-factor issues that are drivers or potential drivers of the issuer's credit rating (corresponding with scores of 3, 4 or 5) and provides a brief explanation for the relevance score. All scores of '4' and '5' are assumed to reflect a negative impact unless indicated with a '+' sign for positive impact.

The Classification of ESG issues has been developed from Fitch's sector ratings criteria. The General Issues and Sector-Specific Issues draw on the classification standards published by the United Nations Principles for Responsible Investing (PRI), the Sustainability Accounting Standards Board (SASB), and the World Bank.

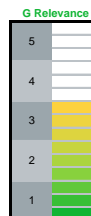
Social (S) Relevance Scores

General Issues	S Score	Sector-Specific Issues	Reference
Human Rights, Community Relations, Access & Affordability	3	Regulatory-driven access and affordability targets of utility services	Asset Base and Operations; Regulatory Risk; Profitability
Customer Welfare - Fair Messaging, Privacy & Data Security	3	Quality and safety of products and services; data security	Regulatory Risk; Profitability
Labor Relations & Practices	3	Impact of labor negotiations and employee (dis)satisfaction	Profitability; Financial Structure; Financial Flexibility
Employee Wellbeing	2	Worker safety and accident prevention	Financial Flexibility
Exposure to Social Impacts	3	Social resistance to major projects that leads to delays and cost increases	Profitability; Financial Structure



Governance (G) Relevance Scores

General Issues	G Score	Sector-Specific Issues	Reference
Management Strategy	3	Strategy development and implementation	Management and Corporate Governance
Governance Structure	3	Board independence and effectiveness; ownership concentration	Management and Corporate Governance
Group Structure	3	Complexity, transparency and related-party transactions	Management and Corporate Governance
Financial Transparency	3	Quality and timing of financial disclosure	Management and Corporate Governance



CREDIT-RELEVANT ESG SCALE

How relevant are E, S and G issues to the overall credit rating?

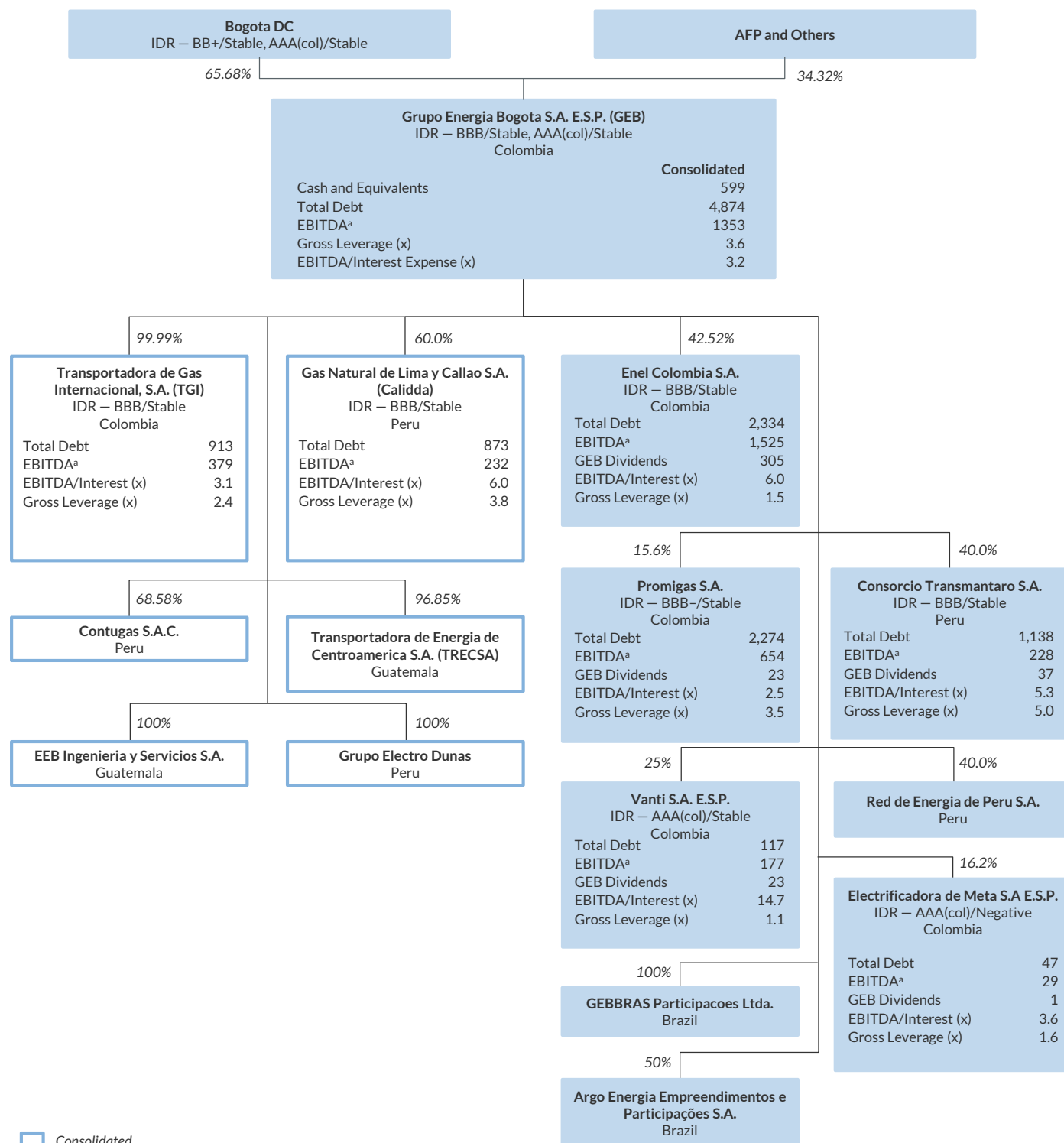
5	Highly relevant, a key rating driver that has a significant impact on the rating on an individual basis. Equivalent to "higher" relative importance within Navigator.
4	Relevant to rating, not a key rating driver but has an impact on the rating in combination with other factors. Equivalent to "moderate" relative importance within Navigator.
3	Minimally relevant to rating, either very low impact or actively managed in a way that results in no impact on the entity rating. Equivalent to "lower" relative importance within Navigator.
2	Irrelevant to the entity rating but relevant to the sector.
1	Irrelevant to the entity rating and irrelevant to the sector.

Simplified Group Structure Diagram

GEB is an operating holding company with controlling and non-controlling stakes in companies that operate in Colombia, Peru, Brazil and Guatemala. More than 65% of the consolidated GEB's EBITDA plus dividends is contributed by the EBITDA generated by TGI's and Calidda's operations, which GEB controls through a 99.9% and 60% stake, respectively. There are no restrictions for GEB to access the cash from its subsidiaries; GEB has had significant inter-company loans with TGI.

Operations at the holding level are still limited and related to the Colombian electricity transmission business. GEB continues to depend on the dividends received from its non-controlling stakes. Most of these dividends come from Enel Colombia, which has been a stable source of cash flow from operations for GEB.

Organizational Structure – Grupo Energia Bogota S.A. E.S.P. (GEB)
(USD Mil., as of YE 2023)



Consolidated

^aEBITDA after associates and minorities.
Source: Fitch Ratings, Fitch Solutions, Grupo Energia Bogota S.A. E.S.P. (GEB).

Peer Financial Summary

Company	Issuer Default Rating	Financial statement date	Gross revenue (USD Mil.)	EBITDA (USD Mil.)	EBITDA margin (%)	EBITDA leverage (x)	EBITDA interest coverage (x)
Grupo Energia Bogota S.A. E.S.P. (GEB)	BBB						
	BBB	2023	2,087	922	44.2	3.6	3.2
	BBB	2022	1,429	604	42.3	4.3	5.4
Enel Americas S.A.	BBB	2021	1,390	613	44.1	3.2	7.6
	BBB+						
	BBB+	2023	12,888	4,381	34.0	1.5	8.4
Empresas Publicas de Medellin E.S.P. (EPM)	BBB+	2022	15,729	4,750	30.2	1.5	5.8
	A-	2021	16,192	3,618	22.3	1.7	10.7
	BB+						
Interconexion Electrica S.A. E.S.P.	BB+	2023	9,821	2,484	25.3	3.0	3.2
	BB+	2022	6,699	1,968	29.4	3.2	5.0
	BB+	2021	6,317	1,778	28.1	3.7	4.8
AES Andes S.A.	BBB						
	BBB	2023	3,708	2,269	61.2	3.7	3.9
	BBB	2022	2,777	1,808	65.1	3.8	4.6
AES Andes S.A.	BBB	2021	2,792	1,701	60.9	4.0	6.7
	BBB-						
	BBB-	2023	2,742	659	24.0	4.2	2.4
AES Andes S.A.	BBB-	2022	2,579	797	30.9	3.4	5.1
	BBB-	2021	2,771	1,075	38.8	1.8	6.3

Source: Fitch Ratings, Fitch Solutions

Fitch Adjusted Financials

(COP Mil. as of December 31, 2023)	Notes and formulas	Standardised values	Lease treatment	Other adjustments	Adjusted values
Income statement summary					
Revenue		7,978,433	–	–	7,978,433
EBITDA	(a)	3,607,958	-83,629	–	3,524,329
Depreciation and amortization		-978,974	83,629	–	-895,345
EBIT		2,628,984	–	–	2,628,984
Balance sheet summary					
Debt	(b)	18,627,852	–	–	18,627,852
Of which other off-balance-sheet debt		–	–	–	–
Lease-equivalent debt		–	–	–	–
Lease-adjusted debt		18,627,852	–	–	18,627,852
Readily available cash and equivalents	(c)	2,289,704	–	–	2,289,704
Not readily available cash and equivalents		–	–	–	–
Cash flow summary					
EBITDA	(a)	3,607,958	-83,629	–	3,524,329
Dividends received from associates less dividends paid to minorities	(d)	1,647,449	–	–	1,647,449
Interest paid	(e)	-1,634,759	–	–	-1,634,759
Interest received	(f)	165,501	–	–	165,501
Preferred dividends paid	(g)	–	–	–	–
Cash tax paid		-378,129	–	–	-378,129
Other items before FFO		256,531	83,629	–	340,160
FFO	(h)	3,664,551	–	–	3,664,551
Change in working capital		-841,488	–	–	-841,488
CFO	(i)	2,823,063	–	–	2,823,063
Non-operating/nonrecurring cash flow		–	–	–	–
Capex	(j)	-1,434,777	–	–	-1,434,777
Common dividends paid		-2,196,039	–	–	-2,196,039
FCF		-807,753	–	–	-807,753
Gross leverage (x)					
EBITDA leverage	b/(a+d)	3.5	–	–	3.6
(CFO-capex)/debt (%)	(i+j)/b	7.5	–	–	7.5
Net leverage (x)					
EBITDA net leverage	(b-c)/(a+d)	3.1	–	–	3.2
(CFO-capex)/net debt (%)	(i+j)/(b-c)	8.5	–	–	8.5
Coverage (x)					
EBITDA interest coverage	(a+d)/(-e)	3.2	–	–	3.2

CFO – Cash flow from operations

Note: The standardised items presented above are based on Fitch's taxonomy for the given sector and region. Reported items may not match the Fitch taxonomy, but they are captured into corresponding lines accordingly.

Debt includes other off-balance-sheet debt.

Debt in the standardised values column excludes lease liabilities of COP71681 million.

Source: Fitch Ratings, Fitch Solutions, Grupo Energia Bogota S.A. E.S.P. (GEB)

SOLICITATION & PARTICIPATION STATUS

For information on the solicitation status of the ratings included within this report, please refer to the solicitation status shown in the relevant entity's summary page of the Fitch Ratings website.

For information on the participation status in the rating process of an issuer listed in this report, please refer to the most recent rating action commentary for the relevant issuer, available on the Fitch Ratings website.

DISCLAIMER & DISCLOSURES

All Fitch Ratings (Fitch) credit ratings are subject to certain limitations and disclaimers. Please read these limitations and disclaimers by following this link: <https://www.fitchratings.com/understandingcreditratings>. In addition, the following <https://www.fitchratings.com/rating-definitions-document> details Fitch's rating definitions for each rating scale and rating categories, including definitions relating to default. Published ratings, criteria, and methodologies are available from this site at all times. Fitch's code of conduct, confidentiality, conflicts of interest, affiliate firewall, compliance, and other relevant policies and procedures are also available from the Code of Conduct section of this site. Directors and shareholders' relevant interests are available at <https://www.fitchratings.com/site/regulatory>. Fitch may have provided another permissible or ancillary service to the rated entity or its related third parties. Details of permissible or ancillary service(s) for which the lead analyst is based in an ESMA- or FCA-registered Fitch Ratings company (or branch of such a company) can be found on the entity summary page for this issuer on the Fitch Ratings website.

In issuing and maintaining its ratings and in making other reports (including forecast information), Fitch relies on factual information it receives from issuers and underwriters and from other sources Fitch believes to be credible. Fitch conducts a reasonable investigation of the factual information relied upon by it in accordance with its ratings methodology, and obtains reasonable verification of that information from independent sources, to the extent such sources are available for a given security or in a given jurisdiction. The manner of Fitch's factual investigation and the scope of the third-party verification it obtains will vary depending on the nature of the rated security and its issuer, the requirements and practices in the jurisdiction in which the rated security is offered and sold and/or the issuer is located, the availability and nature of relevant public information, access to the management of the issuer and its advisers, the availability of pre-existing third-party verifications such as audit reports, agreed-upon procedures letters, appraisals, actuarial reports, engineering reports, legal opinions and other reports provided by third parties, the availability of independent and competent third-party verification sources with respect to the particular security or in the particular jurisdiction of the issuer, and a variety of other factors. Users of Fitch's ratings and reports should understand that neither an enhanced factual investigation nor any third-party verification can ensure that all of the information Fitch relies on in connection with a rating or a report will be accurate and complete. Ultimately, the issuer and its advisers are responsible for the accuracy of the information they provide to Fitch and to the market in offering documents and other reports. In issuing its ratings and its reports, Fitch must rely on the work of experts, including independent auditors with respect to financial statements and attorneys with respect to legal and tax matters. Further, ratings and forecasts of financial and other information are inherently forward-looking and embody assumptions and predictions about future events that by their nature cannot be verified as facts. As a result, despite any verification of current facts, ratings and forecasts can be affected by future events or conditions that were not anticipated at the time a rating or forecast was issued or affirmed. Fitch Ratings makes routine, commonly-accepted adjustments to reported financial data in accordance with the relevant criteria and/or industry standards to provide financial metric consistency for entities in the same sector or asset class.

The information in this report is provided "as is" without any representation or warranty of any kind, and Fitch does not represent or warrant that the report or any of its contents will meet any of the requirements of a recipient of the report. A Fitch rating is an opinion as to the creditworthiness of a security. This opinion and reports made by Fitch are based on established criteria and methodologies that Fitch is continuously evaluating and updating. Therefore, ratings and reports are the collective work product of Fitch and no individual, or group of individuals, is solely responsible for a rating or a report. The rating does not address the risk of loss due to risks other than credit risk, unless such risk is specifically mentioned. Fitch is not engaged in the offer or sale of any security. All Fitch reports have shared authorship. Individuals identified in a Fitch report were involved in, but are not solely responsible for, the opinions stated therein. The individuals are named for contact purposes only. A report providing a Fitch rating is neither a prospectus nor a substitute for the information assembled, verified and presented to investors by the issuer and its agents in connection with the sale of the securities. Ratings may be changed or withdrawn at any time for any reason in the sole discretion of Fitch. Fitch does not provide investment advice of any sort. Ratings are not a recommendation to buy, sell, or hold any security. Ratings do not comment on the adequacy of market price, the suitability of any security for a particular investor, or the tax-exempt nature or taxability of payments made in respect to any security. Fitch receives fees from issuers, insurers, guarantors, other obligors, and underwriters for rating securities. Such fees generally vary from US\$1,000 to US\$750,000 (or the applicable currency equivalent) per issue. In certain cases, Fitch will rate all or a number of issues issued by a particular issuer, or insured or guaranteed by a particular insurer or guarantor, for a single annual fee. Such fees are expected to vary from US\$10,000 to US\$1,500,000 (or the applicable currency equivalent). The assignment, publication, or dissemination of a rating by Fitch shall not constitute a consent by Fitch to use its name as an expert in connection with any registration statement filed under the United States securities laws, the Financial Services and Markets Act of 2000 of the United Kingdom, or the securities laws of any particular jurisdiction. Due to the relative efficiency of electronic publishing and distribution, Fitch research may be available to electronic subscribers up to three days earlier than to print subscribers.

For Australia, New Zealand, Taiwan and South Korea only: Fitch Australia Pty Ltd holds an Australian financial services license (AFS license no. 337123) which authorizes it to provide credit ratings to wholesale clients only. Credit ratings information published by Fitch is not intended to be used by persons who are retail clients within the meaning of the Corporations Act 2001.

Fitch Ratings, Inc. is registered with the U.S. Securities and Exchange Commission as a Nationally Recognized Statistical Rating Organization (the "NRSRO"). While certain of the NRSRO's credit rating subsidiaries are listed on Item 3 of Form NRSRO and as such are authorized to issue credit ratings on behalf of the NRSRO (see <https://www.fitchratings.com/site/regulatory>), other credit rating subsidiaries are not listed on Form NRSRO (the "non-NRSROs") and therefore credit ratings issued by those subsidiaries are not issued on behalf of the NRSRO. However, non-NRSRO personnel may participate in determining credit ratings issued by or on behalf of the NRSRO.

Copyright © 2024 by Fitch Ratings, Inc., Fitch Ratings Ltd. and its subsidiaries. 33 Whitehall Street, NY, NY 10004. Telephone: 1-800-753-4824, (212) 908-0500. Reproduction or retransmission in whole or in part is prohibited except by permission. All rights reserved.