

Tractebel Energia SA

Sector: Electric & Gas Utilities

Emerging Market Companies in sector panel: 46

General information

Tractebel Energia SA operates as a power generation company. Its activities include generation and commercialization of electrical energy. The Company was founded on January 29, 1998 and is headquartered in Florianópolis, Brazil.

Overall score 49/

Information rate: 70% (Sector average: 50%) Company cooperation level: Partially responsive *



Overall CSR performance & trends

Overall score : 49/100		Environment	Human Resources	Human Rights	Community Involvement	Business Behaviour	Corporate Governance
60-100/100 Advanced	100						
50-59/100 Robust	75						
30-49/100 Limited	50	(+	
0-29/100 Weak					-		
Overall score Trend	25 0 Scores/Trends	58 7	50 7	40 →	50 7	65 7	30 🖌
Compared to 2014 7 +9 points	Ratings	++	++	+	++	++	=
	Controversies	No	No	No	No	No	No
	Risk management	Robust	Robust	Limited	Robust	Advanced	Limited
Overall Rank in sector : 2/46	Sector per	formance	Company	performance	R	ating: min /	max ++

- Tractebel's overall approach to manage its CSR performance is considered to be limited (49/100) in absolute terms. This performance has improved compared to our previous review (40/100).
- The Company displays a heterogeneous approach to address its ESG impacts as it exhibits limited performances in the Governance and Social pillars while its Environmental performance is considered to be robust.
- Tractebel has not been involved in any controversy during the period under review according to stakeholders' sources.

Company inclusion in Vigeo Indices***

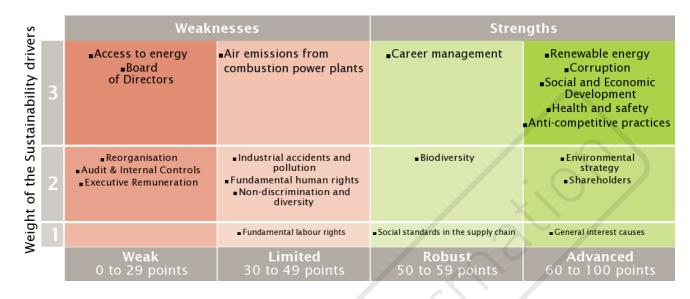


On a 4-level scale: proactive, responsive, partially responsive, not responsive See detailed economic indicators in Selected financial data section

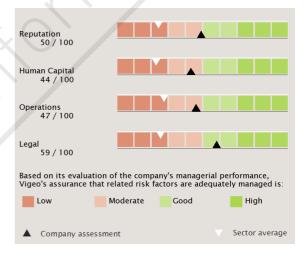
- Based on the most recent Index at the date of publication



Management of Risks and Opportunities



Considered as the main strength of Tractebel, the Company's approach towards social and economic development of its areas of operations demonstrates its ability to build on its good management of this area to create local and national opportunities for itself in its societal environment. Tractebel's formalised commitments to implement local capacity building programmes and support development of infrastructure are backed with partnerships to prioritize the contracting and development of suppliers and professionals locally, in addition to dedicated support to non-governmental initiatives aimed at vocational training. Besides, Tractebel appears to conduct public hearings and surveys for evaluation of the social, economic and environmental aspects related to the implementation and operation of projects, in addition to participation in regional development forums and joint social and cultural development and environmental improvement initiatives.



 Amid a national context negatively impacted by the "Lava Jato" high lovel corruption scandal, involving hig companies as we

high-level corruption scandal, involving big companies as well as many officials and state institutions, Tractebel appears to be in a good position for an adequate mitigation of the legal and operational risks associated with the economic environment in which it evolves. Risks of legal proceedings and judiciary campaigns related to business ethics appear to be sufficiently handled through a comprehensive commitment to address **corruption** issues including conflict of interest, bribery and illegal financing of political parties, in addition to formal training programmes for employees on ethical matters, approval procedures for gifts by an independent entity, and efficient whistleblowing systems. Besides, the Company's business model almost exclusively relying on **renewable sources**, thus isolating Tractebel from the fuel supply context and any reliance on Petrobras and its doubtful contracts, is to be considered as an additional strength enabling the Company to avoid operational constraints linked to any interruption of supplies due to ongoing legal proceedings against the country's main oil and gas supplier.

* We consider legal security as an element of a company's tangible or intangible assets. We define legal risk as the potential impact - negative or positive - on these assets, considering the management of CSR issues possibly involving the company's legal responsibility. Under no circumstances should our opinion be construed as a due diligence or an assurance in the meaning of regulations such as, for instance, the Sarbanes-Oxley Act in the USA or the Loi de Sécurité Financière in France



Company performance in all the Sustainability Drivers

	Weight of the Sustainability driver	Overall score 49/100	Trend	Score
		Environment	7	58
ENV1.1	2	Environmental strategy	7	88
ENV1.2	2	Industrial accidents and pollution	7	43
ENV1.3	3	Renewable energy	7	77
ENV1.4	2	Biodiversity	7	54
ENV2.2	1	GHG emissions from T&D		N/R
ENV2.4	3	Air emissions from combustion power plants	→	30
ENV3.1	2	Energy demand-side management		N/R
		Human resources	₹	50
HRS1.1	1	Social Dialogue		N/R
HRS2.3	2	Reorganisation	\rightarrow	27
HRS2.4	3	Career management	↗	51
HRS3.2	3	Health and safety	7	65
		Human rights	→	40
HRT1.1	2	Fundamental human rights	→	43
HRT2.1	1	Fundamental labour rights	→	43
HRT2.4	2	Non-discrimination and diversity	→	36
		Community involvement	7	50
CIN1.1	3	Social and Economic Development	7	65
CIN2.1	3	Access to energy	7	29
CIN2.2	1	General interest causes	7	70
	·		7	
C&S1.3	2	Business behaviour (c&s) Customer relations		65 N/R
C&S2.4	1	Social standards in the supply chain	7	56
C&S3.1	3	Corruption	7	69
C&S3.2	3	Anti-competitive practices	7	64
CGV1.1	2	Corporate governance		30
	3 2	Board of Directors	N	27
CGV2.1		Audit & Internal Controls	7	14
CGV3.1	2	Shareholders	\rightarrow	78
CGV4.1	2	Executive Remuneration	→	4
Weal	k (0-29	/100) Limited (30-49/100) Robust (50-59/100) Advanced (60-	100/	100)
🗲 Invol	lvement	in allegations 🛛 🕝 Involvement in allegations with evidence of corrective measures		

N/R means that this Sustainability Driver is not analysed for this Company

Selected financial data

Key data	Net sales revenue	EBIT	Employees
2015	BRL 6,512m	BRL 2,503.8	1,135
2014	BRL 6.472m	BRL 2,303m	1,134
2013	BRL 5,569m	BRL 2,387m	1,125
2012	BRL 4,912m	BRL 2,547m	1,082
2011	BRL 4,327m	BRL 2,409m	1,084
Main sh	areholders		2015
ENGIE S	A		68.7 %
Banco C	lássico SA		10 %
Geograp breakdo		Net sales revenue 2014	Employees 2014
Brazil		100 %	100 %
All Econ	omic Segments		Turnover 2014
	ion and commerci al energy	ialization of	100 %

Selected ESG Indicators

	2015
Non-executive Board member(s) responsible for CSR issues	No
Executive remuneration linked to CSR performance	No
Carbon factor (3-year trend)	î
Percentage of independent Board members	12.5
Percentage of women on Board	0
Percentage of women in Executive team	0
Percentage of women in workforce	N/A
3 year trend for safety at work	î
Involvement in armament	No
Management of social risks in supply chain	Robust

Involvement in disputable activities: summary

This section is dedicated to disputable activities in which the company is involved. 9 disputable activities are analyzed (see list below) following 30 parameters Additional analysis and full database access are available as an option

For more information please contact us at customer.service@vigeo.com

	Level of involvement	% of revenues
Alcohol		%
Animal maltreatment		%
Armament		%
Hazardous chemicals		%
Gambling		%
GMOs in food & feed		%
Nuclear energy		%
Sex industry		%
Tobacco		%

A company?'s level of involvement (Major, Minor, No) in a disputable activity is based on:

- An estimation of the revenues derived from disputable products or services
- The precise nature of the disputable products or services provided by the company

Vigeo rating The way to responsible investment VALAS2

Sector performance
 Company performance
 Rating: min -- / max ++

CSR performance per domain

ENVIRONMENT

 100
 2016

 75

 50

 25

 0

 Score
 58

 Allegations
 No

 Rating
 ++

 Risk management
 Robust

HUMAN RESOURCES	
100	2016
75	
50	- -
25	
0	
Score	50
Allegations	No
Rating	++
Risk management	Robust

Key issues

The Electric & Gas Utilities sector has a major role to play towards the achievement of demanding climate and energy targets (ENV 2.4), and the development of renewable energy is strongly required (ENV 1.3). To achieve such objectives, companies must set ambitious climate change strategies, backed by relevant targets and widespread environmental management systems (ENV 1.1).

Company performance

- The Company's Environmental performance appears to be robust.
- This performance has improved compared to our previous review (19 points).

- The Company displays an advanced Environmental strategy that addresses all its responsibilities. Also, the low carbon factor that stood at 132 KgCO2/MWh in 2014 and the high percentage of ISO 14001 standing at 83.6% in the same year improved the Company's performance. The Company also reports on significant measures to protect biodiversity and develop renewable energy. Room for improvement remains regarding the Company's atmospheric emissions which have shown a negative trend over the past years.

Key issues

Safeguarding the safety and health of employees and contractors (HRS3.2) remains a key risk factor in the sector, and this includes the prevention of stress, which is an emerging issue in the sector. Similarly, anticipating the ageing workforce and subsequent leaving of highly skilled workers on retirement through the development of career management and promotion of employability represents a major sector challenge (HRS2.4). Companies are also expected to put in place corporate strategies to limit the impacts of reorganisations on employees (HRS2.3).

Company performance

- In terms of Human Resources, the Company's absolute performance is robust.

This performance has improved compared to our previous review of the Company.
 The Company's formalised commitment regarding safety and career management appear to be more comprehensive; in addition, an improvement have been noticed regarding measures to address these issues which positively impacted Tractebel's performance. However, even though the Company fails to report on how it manages reorganisation, its workforce has increased since 2012.

HUMAN RIGHTS	
100	2016
75	
50	
25	A
0	-
Score	40
Allegations	No
Rating	+
Risk management	Limited

Key issues

Companies with operations in weak governance zones and which are involved in large-hydro projects, mining activities, or gas exploration, tend to be more exposed than others to violations of stakeholders' human rights (HRT 1.1). Electric & Gas Utilities should also have policies and management systems in place, e.g. information, training, risk-mapping, to deal with labour rights issues in their countries of operation and guarantee freedom of association and the right to collective bargaining (HRT 2.1). Finally, the industry remaining largely male dominated, discrimination should be banned and diversity promoted if companies want to increase their competitiveness as well as attract and retain talents (HRT 2.4).

Company performance

- Tractebel's performance in the Human Rights domain is considered to be limited in absolute terms.

The Company's performance has remained stable compares to the previous review.
 The Company reports on a formalised commitments to prevent human rights violations, ensure the respect of freedom of association and prevent discrimination within its staff. However, the Company does not report on any measures aimed at putting these commitments in practice. Finally, during the past three years, the share of women in management positions has declined.



COMMUNITY INVOLVEMENT	-
100	2016
75	
50	+
25	
0	-
Score	50
Allegations	No
Rating	++
Risk management	Robust

BUSINESS BEHAVIOUR 100 2016 75 50 50 25 0 Score 65 Allegations No Rating ++ Risk management Advanced

Key issues

Power generation companies have an important role to address issues related to fuel poverty and promote access to energy (CIN 2.1). On top of that, in their regions of operations, electric & gas utilities should deal with the disruptive impacts of their operations and promote the local social and economic development (CIN 1.1).

Company performance

- The Company's absolute performance in the Community Involvement domain appears to be robust.

- This performance has improved compared to our previous review of the Company (19 points).

- This increase is mainly explained by the improvement of measures to address both local social and economic development as well as the mitigation of impact of operations on surrounding communities. In fact the Company reports on significant efforts in this regard. Concerning contribution to general interest causes, in addition to significant measures in place, Tractebel reports on improving indicators. However, the Company does not appear to report comprehensively on its endeavours to promote access to energy as only references have been reported.

Key issues

Electric & Gas Utilities and Electric & Gas Transmission companies operate in highly regulated markets where risks and opportunities are often shaped by fiscal and regulatory frameworks and reforms. The prevention of corruption and of conflicts of interest (C&S 3.1) is the main sector challenge). In a context of increasing competition, old incumbent operators may be tempted to violate competition rules (C&S 3.2) to keep their dominant position.

Company performance

- Tractebel displays an advanced absolute performance in the Business Behaviour domain.

- This performance has improved compared to our previous review (14 points).

- The disclosure of a formalised commitment to integrate social factor in the supply chain and the reporting on corruption incident has positively impacted the Company's performance in this domain. In addition, the Company has an Ethics committee in charge of issues related to prevention of corruption and anticompetitive practices that can be contacted directly by employees and has implemented approval procedures for gifts. Besides, the Company reports to include social issues into contractual clauses with its suppliers and provides them with training on sustainable corporate management.

CORPORATE GOVERNANCE	
100	2016
75	Þ
50	
25	
0	
Score	30
Allegations	No
Rating	=
Risk management	Limited

Key issues

Corporate governance is critical to ensuring that a well-functioning system of checks and balances protects the interests of all of the company's stakeholders. The effectiveness of the Board of Directors (CGV1.1) is a key issue to be addressed: this can be gleaned from information on Board composition (independence and competencies) and its way of functioning (regularity of Board meetings, evaluation of performance). Other important corporate governance factors include the effectiveness of the Audit and Internal control system (CGV2.1), the protection of Shareholders Rights (CGV3.1) and the establishment of Executive Remunerations (CGV4.1) which align executives' and company's interests.

Company performance

- On Corporate Governance, Tractebel displays a limited absolute performance.

- This performance has deteriorated compared to our last review.

- The Company displays a low level of independence at Board level. Besides, it appears no specific committee is in charge of nominating directors, remuneration or audit. The Company's low reporting on governance matters weakens its performance. On a positive note, the Company's management of relations with shareholders is advanced, with no restrictions voting rights or to convene an EGM. Besides, safeguards appear to be in place to monitor transactions with major shareholders.



9

14

18

Detailed analysis

Environment

ENV1.1	Environmental strategy	9
ENV1.2	Pollution prevention and control (soil, accident, industrial safety, nuclear)	9
ENV1.3	Development of renewable energy	10
ENV1.4	Protection of biodiversity	11
ENV2.2	Management of energy consumption and GHG from Transmission & Distribution activities	12
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ENV3.1	Energy demand-side management	13

Human Resources

HRS1.1	Promotion of labour relations	14
HRS2.3	Responsible management of reorganisations	14
HRS2.4	Career management and promotion of employability	15
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Human Rights

HRT1.1	Respect for human rights standards and prevention of violations	18
HRT2.1	Respect for freedom of association and the right to collective bargaining	19
HRT2.4	Non-discrimination	20

Commun	ity Involvement	21
CIN1.1	Promotion of the local social and economic development	21
CIN2.1	Promotion of access to energy and prevention of fuel poverty	23
CIN2.2	Contribution to general interest causes	24

Business Behaviour (C&S)		
C&S1.3	Responsible Customer Relations	25
C&S2.4	Integration of social factors in the supply chain	25
C&S3.1	Prevention of corruption	26
C&S3.2	Prevention of anti-competitive practices	27

Corporate	Governance	29
CGV1.1	Board of Directors	29



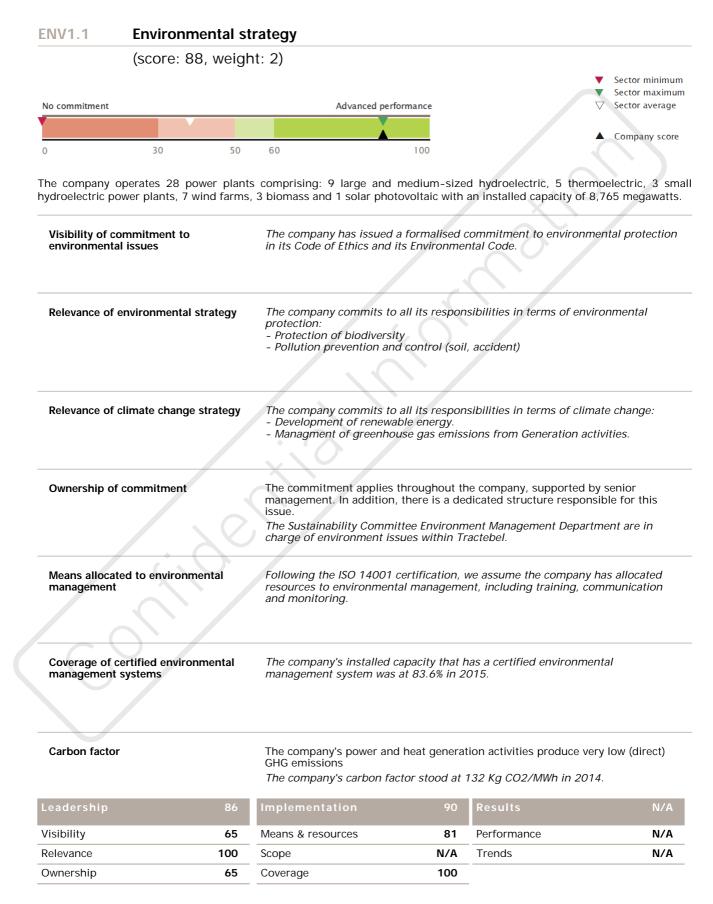
CGV2.1	Audit & Internal Controls	30
CGV3.1	Shareholders	31
CGV4.1	Executive Remuneration	31

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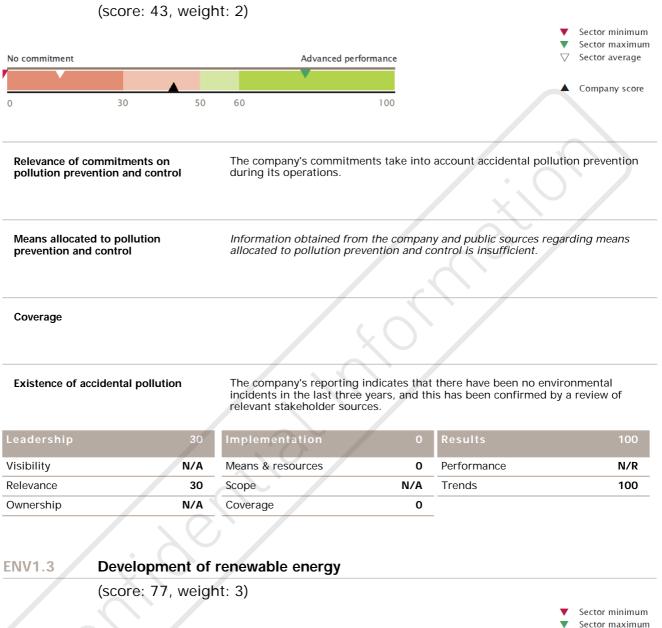
Environment

Score : 58





ENV1.2 Pollution prevention and control (soil, accident, industrial safety, nuclear)



 Score: 77, Weight: 3)
 ✓ Sector minimum

 No commitment
 Advanced performance
 ✓ Sector average

 0
 30
 50
 60
 100

 Relevance of the company's commitment on developing renewable energy is general as no quantified targets have been disclosed.
 The company's commitment on developing renewable energy is general as no

Installed capacity in renewable energy sources In 2015, the company had an installed capacity of renewable sources of 7,646 MW, representing thus 87.2% of its total installed capacity.



Performance

Energy generation from hydro plants was at 83.4% in 2015. Energy generation from thermal plants was at 13.5% in 2015. Energy generation from complementary sources was at 3.1% in 2015.

					100
/isibility	N/A	Means & resources	100	Performance	100
Relevance	30	Scope	N/A	Trends	N/A
Ownership	N/A	Coverage	N/A		
	tion of bio			<u> </u>	
(score	: 54, weigł	nt: 2)			Sector minimum
					Sector maximur
No commitment		Advanced per	ormance		\bigtriangledown Sector average
					▲ Company score
0 30	50	60	100		
		- Effects on sensitive or I	niaratory sne	rias idua ta naisa hahi	
Managerial tools allocate integrate biodiversity in management of operatio	the	- Effect of habitat fragme The company has implen operations on biodiversit - Environmental impact a with companies specialis identify aspects and envi them by significance leve defined for all the produc - Monitoring of biodivers monitors indicators on th species, number of bird s	entation and e nented relevar y, including: ssessments a ing in environ ronmental imp is to protectio titon units of ity indicators. e surface of t	acosystems nt measures to identify nd risk mapping: Tract mental and property m pacts from Tractebel ac on of biodiversity. Rese the company. : For each reservoir, the he reservoir, number o	the impacts of its tebel has contracts tonitoring. They tivities classifying rvoir areas are company f mammals

- Fish protection programmes: The company ensures the restocking of rivers by lab breeding the fry of native species.



Coverage of local measures allocated to protect biodiversity on operation sites

All the company's relevant sites or operations are covered by these measures. *The company's measures are applied in all production units reservoirs.*

Results with regard to biodiversity protection		Indicators on biodiversity are published but they are not representative enough Tractebel monitors indicators specific to each plant and doe snot provide historic data to assess a trend.			
Stakeholders' feedback				t reveal any allegations against w: stakeholders' feedback is ne	
Leadership	65	Implementation	63	Results	35
Visibility	N/A	Means & resources	48	Performance	65

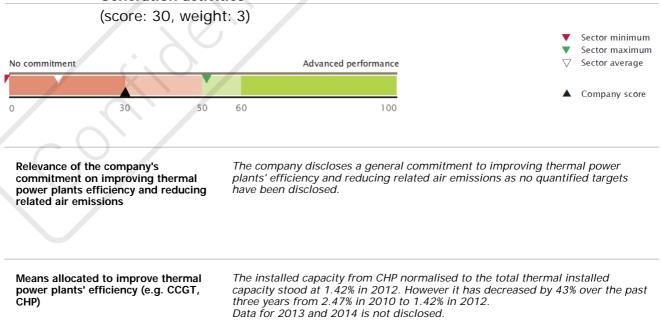
Visibility	N/A	Means & resources	48	Performance	65
Relevance	65	Scope	N/A	Trends	0
Ownership	N/A	Coverage	100		

ENV2.2 Management of energy consumption and GHG from Transmission & Distribution activities

(deactivated)

Tractebel Energia SA is only active in the Generation segment and does not have any Ttansmission and Distribution activities. Thus this sustainability driver is deactivated for the company.

ENV2.4 Management of energy consumption and air emissions from fossil-based Generation activities





Means and technologies allocated to reduce SOx, NOx, PM and Mercury emissions	emissions (SOx, NOX, Pa - Particulate matter capt precipitators which retail - Flue gas cleaning system desulfurization system a reduces the emissions o - Sourcing of low sulphu sulfur dioxide is done by - Other: the company all production, minimised ti emissions. Also, the com	rticulates, Mer ure technologi n over 98.5% c ms (NOx and t the Charquea f sulfur dioxide r fuels: Reduc controlling th ocated 100% c ne use of limes pany allocated	ies: Tractebel has electros of particulate matter emis SO2): Tractebel has bag f adas Thermoelectric Powe	static sions. ïlters and a er Plant, which emission of nd fuel oils. al to cement in turn reducing n biomass
Share of the company's thermal plants covered by means and technologies to reduce SOx, NOx, PM and Mercury emissions	The company has taken	such measures	in all its thermal power	plants.
Measures to develop innovative technologies such as carbon capture and storage and associated new combustion techniques	storage and associated r The company has 5 ther One of them burns wood	ew combustio noelectric plai I chips (Lages getica Thermo	nts that do not require fo Cogeneration Unit) and tw pelectric Plant and Ferrari	ssil fuels. No sugarcane
Carbon Factor of thermal facilities (fossil-based power generation, excluding nuclear)	The company does not d	isclose quanti	tative data on its thermal	carbon factor.
Emissions of substances responsible for acid rain (SO2, NOx)	over the past five years f 2014. NOx emissions normalis	rom 2.7 gSO2, ed to production	on have increased but not /kWh in 2010 to 17.97 g on have remained stable od 2014 (though it fluctua	SO2/kWh in over the past
Other emissions: Particulates, Mercury emissions			normalised to production ars from 0.045 (gP/kWh) i	
Stakeholders' feedback			t reveal any allegations a w: stakeholders' feedbac	
Leadership 30	Implementation	43	Results	16
Visibility N/A	Means & resources	5	Performance	16
Relevance 30	Scope	100	Trends	N/A

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ENV3.1 Energy demand-side management

(deactivated)

Tractebel Energia SA does not have end-use customers. Thus this sustainability driver is deactivated for the company.

Human Resources

Promotion of labour relations HRS1.1

(deactivated)

Preliminary note: This Sustainability Driver is only analysed for large companies in the Electric and Gas Utilities Emerging Market sector, it is therefore not analysed for this company.

Responsible management of reorganisations **HRS2.3** (score: 27, weight: 2) Sector minimum Sector maximum No commitment Advanced performance Sector average Company score 0 30 50 60 100

In 2014, 20 employees opted for the Voluntary Dismissal Plan (PDV) and one employee transferred, to another company owned by the parent company, Engie.

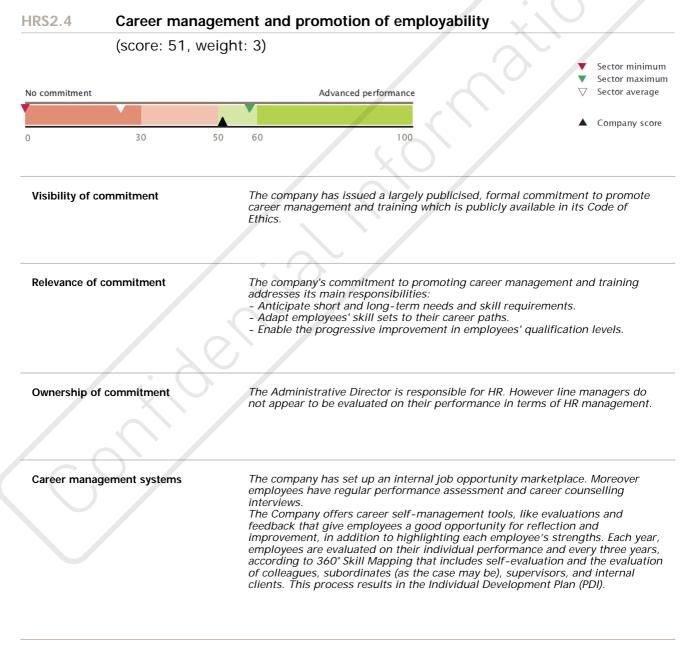
No restructuring is reported by the company, and nothing is found in stakeholders sources.

Relevance of commitment to manage reorganisations responsibly	The company does not disclose any commitment to manage reorganisations responsibly.
Relevance of commitment to involve employee representatives in the process	The company does not disclose any commitment to inform and consult employee representatives on reorganisations.
Means allocated to prevent and manage reorganisations	Information obtained from the company and public sources regarding measures allocated to prevent and manage reorganisations is insufficient.
Coverage	
Stakeholders' feedback	A review of stakeholder sources did not reveal any allegations against the company during the period under review: stakeholders' feedback is neutral.



Result of the company's commitment to manage reorganisations responsibly The company has been able to avoid redundancies or to maintain employment. *Employees number has increased between 2012 and 2014.*

0	Implementation	0	Results	81
N/A	Means & resources	0	Performance	81
0	Scope	N/A	Trends	N/A
0	Coverage	0		
	N/A 0 0	N/A Means & resources 0 Scope	N/AMeans & resourcesO0ScopeN/A	N/AMeans & resourcesOPerformance0ScopeN/ATrends



Coverage of career management systems

These career management systems cover all of the company's employees. In 2014, the percentage of employees receiving regular performance and career development reviews was at 100%.



Types of training provided to non-managers	The training programmes are mostly aimed at adapting employees' skills to the requirements of their current position. The company reports to provide technical courses, occupational safety training, language courses and other types of training, such as behavior, leadership and communication. Ethical matters such as respect for diversity and human rights, as well as combating corruption, are part of the new employee Welcome Programme and are also addressed on occasions such as the release or disclosure of corporate policies and seminars on the Company's Code of Ethical Conduct.
Means allocated to training for all employees	The number of training hours per employee has increased continously over the past five years by 73% from 40.4 Hours/Employee in 2011 to 70.04 Hours/Employee in 2015.
Mobility / turnover	Information disclosed on indicators such as employee turnover or mobility rates is insufficient. The company discloses turnover for 2014 (3.8%), but does not discose data for previous years.
Training delivered during the year under review	It is assumed that at least a minority of the company's employees received training during the year under review, 2015. The exact percentage is not disclosed.

Leadership	62	Implementation	74	Results	18
Visibility	100	Means & resources	82	Performance	18
Relevance	65	Scope	30	Trends	N/A
Ownership	30	Coverage	100		

HRS3.2 Improvement of health and safety conditions

(sco	re: 65, weight: 3	3)	
		•	Sector minimum
			Sector maximum
No commitment	* <u> </u>	Advanced performance \bigtriangledown	Sector average
			Company score
0 30	50 6	0 100	
Visibility of health & s commitments	- W	he company has made a formalised commitment to health and sa hich covers both its own employees and sub-contracted workfor ode of Ethics and Sustainable Management Policy.	
Relevance of commitn improvement of health conditions	h and safety - - -	he company's commitment addresses its main responsibilities: Ensure awareness about health and safety issues. Reduce the number of work accidents and their severity. Reduce stress and promote well-being. Prevent occupational disease	



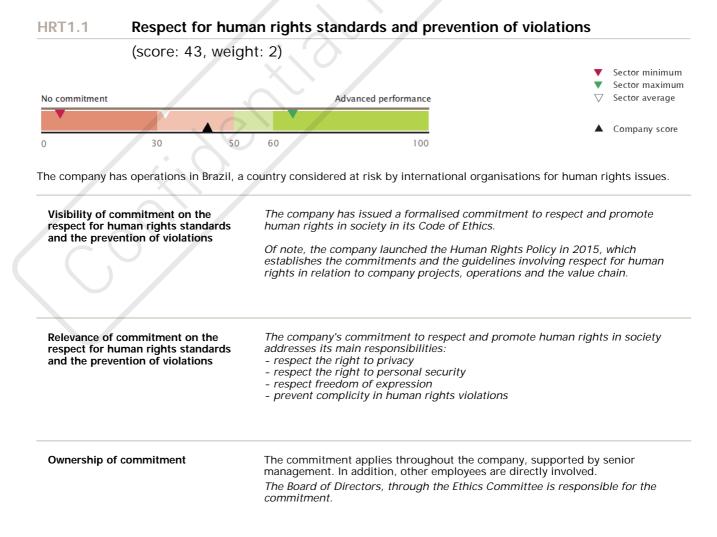
Ownership of commitment	The commitment applies throughout the company, supported by senior management. In addition, employee representatives are involved at group level. The Sustainability Committee is responsible for Occupational Health and Safety. Also, there are 10 In-company Accident Prevention Committee (CIPA) in the company's administrative headquarters and plants with more than 20 employees, formed by employee and company representatives.
Means allocated to health and safety	 The company has allocated means to address these issues, including a certified health and safety system: Training: the Company's employees are trained onOccupational Health and Safety. Following the parent company, Engie, Tractebel launched an internal work accidents prevention campaign that emphasizes the incident identification and recording. Internal monitoring: the company mintors indicators on frequency and severity for both employees and sub-contracted workforce. Risk assessments: the company identifies and controlls dangers and risks inherent to processes, equipment and workplaces. All groups are oriented regarding these dangers and risks, as well as respective measures for prevention and control. OHSAS 18001 certifications: All employees and outsourced employees receive training on health and safety and are covered with BS OHSAS 18001 certification implies having internal H&S audits; however, no further details are disclosed.
Coverage of health and safety system	The health and safety measures cover the majority of the company's employees, as well as the company's contractors and sub-contractors. In 2014, 100% of employees and outsourced workers received OHS training, and the OHSAS 18001 certifications covers 83.6% of the installed capacity as of 2015.
Means allocated to reduce stress at work	The company has allocated basic means to address stress at work, including: - Monitoring of absenteeism: it is done for both employees and contractors. - Stress support instruments: the company is involved in the promotion of sports and physical activity in general, on-the-job exercise, healthy eating, stress management, treatment and prevention of addictions and service to people with special needs. - awareness raising for employees: the company organizes awareness campaigns on different topics related to wellness of employees.
	,
Coverage of means allocated to reduce stress at work	The measures allocated to address stress at work cover the majority of the company's employees. All employees are covered by measures on promotion of well-being.
Accident frequency rate	Total recordable injury frequency rate (TRIFR) has decreased but not continously over the past five years by 100% from 1.5 in 2011 to 0 in 2015.
Accident severity rate	Severity rate has decreased but not continously over the past five years by 100% from 0.025 in 2011 to 0 in 2015.
Occupational diseases	Rate of absenteeism for employees has increased by 25% over the past three years from 2.15% in 2010 to 2.45% in 2012. Data for 2013 and 2014 is not disclosed. Rate of occupational illnesses has been stabel at 0 between 2010 and 2014.
Accident frequency rate at contractors'	Total recordable injury frequency rate (TRIFR) for contractors has decreased but not continously by 83% over the past five years from 3.13 in 2011 to 0.54 in 2015.



Accident severity rate at c	ontractors'	Severity rate for contract the past five years from (sly by 100% over
Absenteeism and/or Occu diseases at contractors'	ipational	Rate of absenteeism for of years from 2010 to 2012 Data for 2013 and 2014	2.		ver the past three
Stakeholders' feedback		A review of stakeholder s company during the peri-			
Stakeholders' feedback Leadership	77				
	77 65	company during the peri-	od under revie	ew: stakeholders' feed	back is neutral.
Leadership		company during the period	od under revie 69	ew: stakeholders' feed	back is neutral. 48

Human Rights

Score : 40





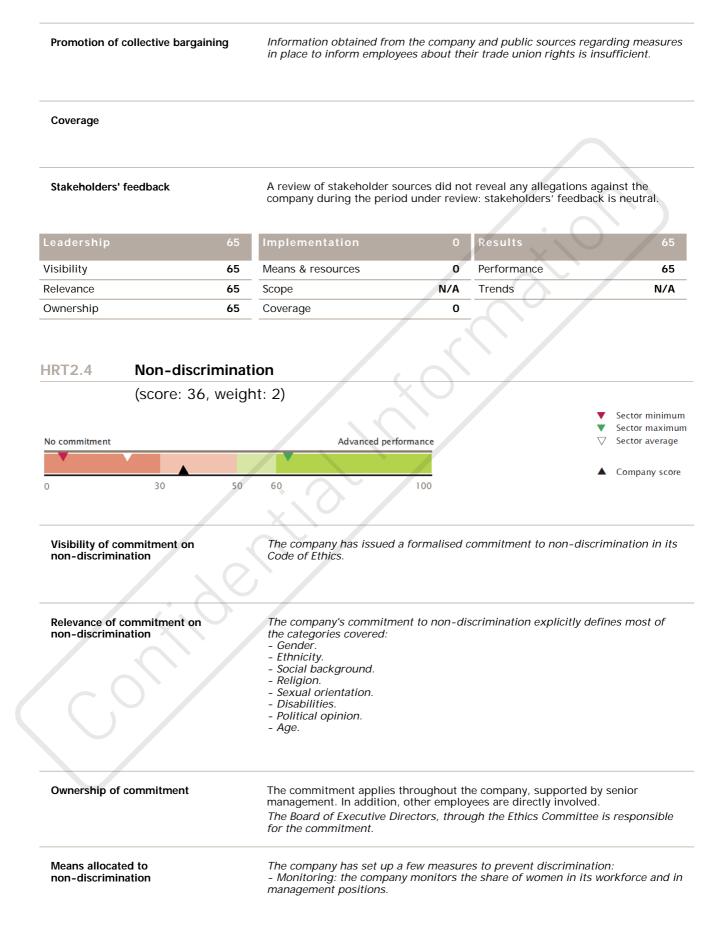
Means allocated to the commitment on the respect for human rights standards and the prevention of violations Information obtained from the company and public sources regarding systems to ensure that basic human rights are respected is insufficient.

Coverage A review of stakeholder sources did not reveal any allegations against the company during the period under review: stakeholders' feedback is neutral. Stakeholders' feedback Visibility 65 Means & resources 0 Performance 65 Relevance 65 Scope N/A Trends N/A Ownership 65 Coverage 0

HRT2.1 Respect for freedom of association and the right to collective bargaining

(score: 43, w	reight: 1)	
No commitment	Advanced performance	 Sector minimul Sector maximu Sector average
		Company score
30	50 60 100	company secon
ne company has operations in Braz	zil, a country considered at risk by international organis The company has issued a formalised commitm and the right to collective bargaining in its Coc	nent to freedom of association
Relevance of commitment	The company's commitment addresses its main - Protection of freedom of association and the - Respect the right to collective bargaining. - Explicit support for ILO Conventions C87, C9 texts on union rights	right to organise.
Ownership of commitment	The commitment applies throughout the comp management. In addition, other employees are The Board of Executive Directors, through the for the commitment.	directly involved.
Monitoring	It is not clear what steps the company takes to association is respected throughout the compa	





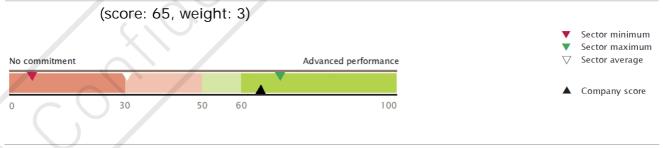


Stakeholders' feedback Leadership Visibility Relevance	65 65	company during the period Implementation Means & resources Scope	15 30 N/A	reveal any allegations ac w: stakeholders' feedback Results Performance Trends	gainst the k is neutral. 28 65 15
_eadership		company during the period	od under revie	w: stakeholders' feedbaci	k is neutral. 28
	65	company during the perio	od under revie	ew: stakeholders' feedbac	k is neutral.
Stakeholders' feedback		company during the perio	od under revie	t reveal any allegations ag w: stakeholders' feedbacl	gainst the k is neutral.
		A review of stakeholder s	ources did no		
Results in terms of emplo disabled persons	yment of			e total workforce has incre by 0.28 percentage point	
Results in terms of gende distribution	r		ne past five ye	ment positions has declir ars from 12% in 2011 to 9 losed.	
		beyond that to implemen	t programme:	s to promote diversity in i	ts operations.
					not gone

Community Involvement

Score : 50

CIN1.1 Promotion of the local social and economic development



Visibility of the commitment on the promotion of the social and economic development and mitigation of the impacts of operations The company has issued a formalised and accessible commitment to promote local social and economic development in its Sustainable Management Policy.

Ownership of commitment on the promotion of the social and economic development and mitigation of the impacts of operations The commitment applies throughout the company, supported by senior management. In addition other employees are involved. The Sustainability Committee is in charge of any matters related to communities.



Relevance of commitment to	The company's commitment to promote local social and economic developmen
promote the social and economic development	addresses all of its responsibilities: Develop social programmes for local populations
	Support development of infrastructure
Relevance of commitment on the mitigation of the impacts of its operations on social and economic development	The company's commitment to mitigate the impacts of its operations on social and economic development addresses its main responsibilities: - Community consultation - Evaluate socio-economical impacts of projects
uevelopment	- Evaluate socio-economical impacts of projects
Means allocated to promote the social and economic development of countries of operation	The company has allocated extensive means to address social and economic development, including: - Social development programmes: the company builds partnerships with local players, and prioritize the contracting and development
	of professionals and suppliers from the regions where it operates. - Capacity building programmes: through its power generation projects, the company develops local economy, creates jobs, and generates income. Tractebel also supports non-governmental organizations by contributing to the training of artisans. - Infrastructure development programmes: the company invested in the environmental recovery of public areas and in the improvement of local infrastructure.
Coverage of the means allocated to promotion of the local social and economic development	These means are allocated throughout the company.
Means allocated to the mitigation of impacts of operations	The company has allocated extensive means to mitigate the impacts of its operations: - Social impact assessment of new projects: Company mapped the stakeholders in the communities where it operates. This mapping including
0110	 analyses of positive and negative effects of the Company's activities on the communities and areas of influence of the projects and can be updated as needed. Some of these assessments are maintained during the entire plant operation life. Community consultation: Tratebel conducts public hearings and surveys for evaluation of the social, economic and environmental aspects related to the implementation and operation of a power plant, in addition to participation in regional development forums and joint social and cultural development and environmental improvement initiatives. Grievance mechanisms: the company has a dedicated page on its website to communicate with stakeholders including communities. Any complaints or concerns can be raised there, and the company reports having solved all complants raised so far.
Coverage of the means allocated to the mitigation of impacts of operations	There is no evidence that these means are allocated throughout the company.

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Stakeholders' feedback

A review of stakeholder sources did not reveal any allegations against the company during the period under review: stakeholders' feedback is neutral

Leadership	72	Implementation	86	Results	37
Visibility	65	Means & resources	82	Performance	65
Relevance	81	Scope	N/A	Trends	0
Ownership	65	Coverage	100		





Leadership	42	Implementation	0	Results	46
Visibility	30	Means & resources	0	Performance	65
Relevance	30	Scope	N/A	Trends	0
Ownership	65	Coverage	0		

(score:	70, weigh	nt: 1)			
					 Sector minimun Sector maximur
No commitment		Advanced p	erformance		\bigtriangledown Sector average
					▲ Company score
30	50	60	100		
				\sim	
Relevance of commitment		The company's commit some of the relevant is - Cultural developmen	sues for the sec	tor:	uses addresses
Ownership of commitmen	t	The commitment applie management. In addition The Sustainability Com in the regions where the	on, other employ mittee is respon	yees are directly involve sible for the socio-cult	ed.
Means allocated		The company has alloc including: - Financial support: Th centers in Entre Rios de Baixo. - Allowing staff time: t voluntary work.	e company func o Sul, Bela Vista	led the opening of seve High, Quedas do Iguaç	eral cultural su and Capivari de
Geographical coverage		These means are alloca The criteria for cutlture the Company. New cut ones that are in operat Baixo and Quedas do Ig Trairi.	e centers is to be ture centers are ion are: Entre Ri	e in the neighborhood o to be launched in the r os do Sul, Alto Bela Vis	next years. The ta, Capivari de
Trend in contributions to interest causes	general	The company monitors and these have been in The company's investn Fund, Cultural Incentiv	nproving over tin nents with tax in	ne. <i>centives (Childhood an</i>	d Adolescence
		has increased from 0.4			
Leadership	65	Implementation	44	Results	100
/isibility	N/A	Means & resources	30	Performance	N/A
Relevance	65	Scope	N/A	Trends	100



Business Behaviour (C&S)

Score : 65

C&S1.3 Responsible Customer Relations

(deactivated)

The company does not have end-use customers. Therefore, this sustainability driver is deactivated for the company.

(score: 56, weig	
lo commitment	 ✓ Sector minimum ✓ Sector minimum ✓ Sector maximun ✓ Sector average
) 30 50	60 100 Company score
50 50	
Visibility of commitment	The company has issued a formalised commitment to including social factors in supply chain management in its Code of Ethics.
Relevance of commitment	The company's social requirements for suppliers address the main relevant issues in the sector: - Freedom of association and right to collective bargaining - Health and Safety - Other rights (e.g. prevention of cruel, degrading and inhuman behaviour, etc.) - Abolition of child labour - Abolition of forced labour
Ownership of commitment	The commitment applies throughout the company, supported by senior management. In addition, other employees are directly involved. The Board of Executive Directors, through the Ethics Committee is responsible for the commitment.
Means allocated	 The company has set up two measures to include social factors in supply chain management: Integration of social issues into contractual clauses: Prices, terms, quality and other technical and commercial aspects of contracts with suppliers are governed by administrative standards that establish procedures allowing the selection of those offers that best serve the company's interests in line with its policy of contributing to sustainable development in the regions where it operates. Supplier support: The company has put in place the Sustainable Partnerships Project, which trains suppliers in sustainable corporate management.
Audits of suppliers/subcontractors	The company includes social aspects in its standard quality audits of suppliers. The company reports to evaluate the performance of suppliers focusing on commitment and engagement with human rights, social responsibility and occupational Health and Safety.

Coverage of the means allocated

The measures implemented cover the main direct and indirect suppliers.



Transparency on social in the supply chain	compliance	social standards, and it re	ports that in garding viola	ta on the compliance of it 2014 it did not identify a ations of freedom of assoc	ny
					())
Allegations against sup	opliers	A review of stakeholder s company's suppliers or co		t reveal any social allegat	ions against th
Allegations against sup Leadership	opliers 65			t reveal any social allegat Results	ions against the
Leadership		company's suppliers or co	ontractors.	X X	
	65	company's suppliers or co	ontractors. 55	Results	49





Involvement of employees in prevention of corruption	ı the	The company has institute on corruption prevention.		ning programmes for rel	evant employees		
		The Ethics Committee, wi implementation, training Moreover, the Committee	and awarenes must help an	s initiatives concerning of	ethical practices.		
		concerns regarding ethica Training programmes cov	er topics sucl				
		aspects included in the A Anti-Corruption Law	nti-Corruptio	ו Law, Small gifts and an	nenities,		
Means allocated to the preve corruption	ntion of	The company has set up a confidential reporting sys - Approval procedures fo Administration must appr employees. - The possibility to conta directly & confidentially: Coommittee in charge of - a dedicated confidential communication channel s confidentially related to a	tem: r gifts by an ir rove all the gif ct internal auc the deontolog this duty with I hotline or en o that anyone	ndependent department. Its made or received by lit, legal or compliance of ist is the member of the in Tractebel. nail address: the compar can contact it anonymo	The Board of Tractebel departments Ethics ny has a usly and		
Coverage of the means alloc the prevention of corruption		The measures implemented cover all significant parts of the company as well as sales agents.					
		Tractebel Energia complie mandatory internal proce					
Transparency on corruption suspicions raised through th employee reporting system		The company explicitly st internally during the perio	ates that there od under revie	e were no corruption inc w.	idents reported		
		A maximum of statished along a	ources did no	t reveal any allegations a	agingt the		
Stakeholders' feedback		company during the peric					
	65						
eadership	65 65	company during the peric	od under revie	w: stakeholders ⁷ feedba	ck is neutral.		
Stakeholders' feedback eadership /isibility Relevance		company during the perio	od under revie 65	w: stakeholders ⁷ feedbac Results	sk is neutral. 77		



Visibility of commitment on the prevention of anti-competitive practices

The company has issued a formalised commitment to prevent anti-competitive practices in its Code of Ethics.



Relevance of commitment on the prevention of anti-competitive practices	The company's commitment to preventing anti-competitive practices add part of its responsibilities: - Transparency on the market.	dresse					
Ownership of commitment	The commitment applies throughout the company, supported by senior management. In addition, other employees are directly involved. The Board of Executive Directors, through the Ethics Committee is responsed for the commitment.	nsible					
Involvement of employees in the prevention of anti-competitive	The company has instituted formal training programmes for relevant emp on the prevention of anti-competitive practices.	oloyee					
practices	implementation, training and awareness initiatives concerning ethical pra	The Ethics Committee, with help from the company managers, organises the implementation, training and awareness initiatives concerning ethical practices. Moreover, the Committee must help and advise employees with questions or					
Means allocated to the prevention of anti-competitive practices	The company has set up internal controls to prevent corruption, including confidential reporting system:	g a					
	 Approval procedures for gifts by an independent department: The Boar Administration must approve prices made or received by Tractebel emplo - The possibility to contact internal audit, legal or compliance departmen directly & confidentially: The deontologist is the member of the Ethics Coommittee in charge of this duty within Tractebel. - a dedicated confidential hotline or email address: the company has a communication channel so that anyone can contact it anonymously and confidentially related to any non-compliance with its code of ethics. 	ovees.					
Coverage of the means allocated to the prevention of anti-competitive	The measures implemented cover all significant parts of the company as sales agents.	well a					
practices	Tractebel Energia complies with the mother company's policy that establ	ished					
	mandatory internal procedure for commitments with commercial middler	nen.					
	mandatory internal procedure for commitments with commercial middler	men.					
Reporting	mandatory internal procedure for commitments with commercial middler The company explicitely states that there were no antitrust incidents repo internally during the period under review.	men.					
Reporting Stakeholders' feedback	The company explicitely states that there were no antitrust incidents repo	nen. orted					
	The company explicitely states that there were no antitrust incidents repo internally during the period under review. A review of stakeholder sources did not reveal any allegations against the	nen. orted					
	The company explicitely states that there were no antitrust incidents repo internally during the period under review. A review of stakeholder sources did not reveal any allegations against the	nen. orted					
Stakeholders' feedback	The company explicitely states that there were no antitrust incidents repo internally during the period under review. A review of stakeholder sources did not reveal any allegations against the company during the period under review: stakeholders' feedback is neutr	nen. orted					

65

Coverage

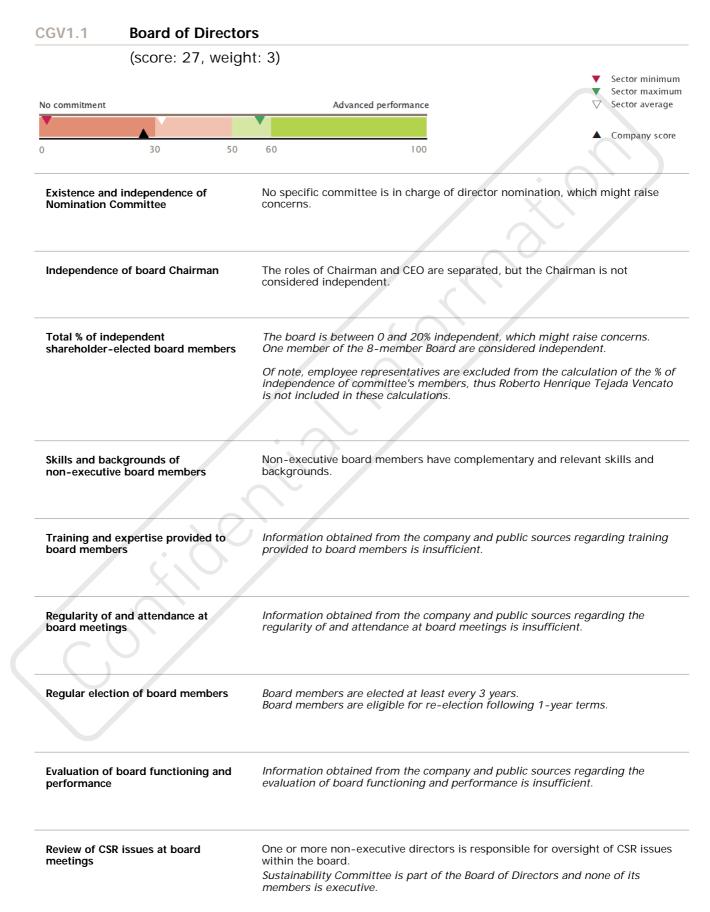
Ownership

65



Corporate Governance

Score: 30





Non-independent board members (excl. employee representatives)	Role	Current or Former Executive	More than 9 years on board	Stock options or warrants	Paid >1/2 executive salary	Owns or represents >3% company's shares	Other
Mauricio Stolle Bahr	Chairman					х	General representative of GDF SUEZ in Brazil
Manoel Arlindo Zaroni Torres	CEO	х	Х				
Luiz Eduardo Simoes Viana						Х	Responsible for the financial and administrative management of GDF SUEZ Group in Brazil
Philip Julien De Cnudde	Vice President						Not considered independent by the company
Antonio Alberto Gouvêa Vieira							Not considered independent by the company
Dirk Achiel Marc Beeuwsaert							Not considered independent by the company
Willem Frans Alfons Van Twembeke							Not considered independent by the company

CGV2.1 Audit & Internal Controls

	ht: 2)	
lo commitment	Advanced performance	 ▼ Sector minimum ▼ Sector maximun ∇ Sector average
		▲ Company score
30 50	60 100	
Existence and independence of Audit Committee	No specific committee is in charge of audit issues The company states that it is externally and inter permanent Fiscal Board.	0
)	
Skills and backgrounds of Audit Committee members Operational and CSR risks covered by the company's internal controls system	The system covers financial, operational, and leg The CSR risks cover mainly topics related to Ehtic	-

Independence of the firm's external auditors

Information obtained from the company and public sources regarding the independence of the firm's external auditors is insufficient.



Inclusion of CSR issues in company reporting	The company publishes significant social and environmental reporting, with quantitative indicators, that is audited by a 3rd party, PricewaterhouseCoopers.
Reliability of the company's internal controls system	A review of stakeholder sources did not reveal any allegations for internal control failures against the company during the period under review: stakeholders' feedback is neutral.
CGV3.1 Shareholders	
(score: 78, weigh	nt: 2)
No commitment	Advanced performance Sector minimum Sector maximum Sector average
0 30 50	60 100 Company score
Voting rights restrictions	The company respects the "one share - one vote" principle.
Safeguards on transactions with major shareholder(s)	Less than half of the board is independent. However, there are other safeguards in place to monitor transactions between the company and its major shareholder(s). The company has the Special Independent Committee for Transactions with Related Parties that is composed of majority independent members from the board of directors.
Ability to add items to the agenda of the AGM and to convene an EGM.	No major restrictions have been identified.
Access to voting at General Meetings	There are no major restrictions on shareholders' ability to vote, however there is no possibility of voting through online services.
Governance and CSR items put to a vote at General Meetings	Not all major items are put to a shareholder vote. In particular, shareholders are not given the opportunity to express an opinion on executive remuneration through a (non-binding) shareholder vote. The following items are not put to a vote at the AGM: - Board fees - Executive remuneration
Voting results of the latest AGM	All resolutions were approved by more than 90% of shareholder votes.
Feedback from shareholders and other stakeholders on the company's corporate governance performance	A review of stakeholder sources did not reveal any allegations against the company during the period under review: stakeholders' feedback is neutral.



CGV4.1 Executive Remuneration

	: 2)	
lo commitment	Advanced performance	 ✓ Sector minimu ✓ Sector maximu ✓ Sector average
30 50	60 100	Company scor
Existence and independence of Remuneration Committee	No specific committee is in charge of exer raise concerns. The company states that it follows marke	
Disclosure of senior executives' individual remuneration	Executive remuneration is disclosed, but individual basis.	on a collective rather than on an
Link between Short Term Incentive Plans and the economic and CSR performance of the company	Bonuses are linked to predetermined and indicators. However the actual quantified amounts vary from 25% to 90% of the fix the executive's position, his or her challe variable installment considers: - Financial indicators, such as the compa and net income, as well as consolidation which represent, on average, 40% of the - Individual and operating indicators, suc and financial results, including matters re represent, on average, 40% of the bonus. - Behavioral and managerial issues that r annual bonus.	I targets are not disclosed. Bonus ed annual compensation, in line with enges and established targets. This any's EBITDA growth, free cash flow within the Controller, among others, annual bonus. ch as fulfillment of targets, operating elating to sustainability, which
Link between the main Long Term Incentive Plan and the economic	There is no disclosure on what rules guid options and other long-term incentives t performance conditions are attached to t	o senior executives, and what
performance of the company		



Allegations and controversies

Domain Sustainability driver

Pa



Detailed Scores And Ratings

Current and previous ratings

Period	Environment	Human Resources	Human Rights	Community Involvement	Business Behaviour (C&S)	Corporate Governance
2016/03	+ +	+ +	+	+ +	+ +	=
2014/12	+	++	+	+	+ +	+
2014/03	+	+ +	+	+	++	+

Scores per domain

Domain	Average score	Leadership	Implementation	Results
Environment	58	45	61	52
Human Resources	50	52	54	45
Human Rights	40	65	6	50
Community Involvement	50	58	43	50
Business Behaviour (C&S)	65	59	64	73
Corporate Governance	30	32	14	46

Scores per criteria

Sub-domain	Criterion	Score
Environment 1	1	88
	2	43
	3	77
	4	54
Environment 2	2	D/A
	4	30
Environment 3	1	D/A
Sub-domain	Criterion	Score
Human Resources 1	1	D/A
Human Resources 2	3	27
	4	51
Human Resources 3	2	65
Sub-domain	Criterion	Score
Human Rights 1	1	43
Human Rights 2	1	43
	4	36

Sub-domain	Criterion	Score
Community Involvement 1	1	65
Community Involvement 2	1	29
	2	70
Sub-domain	Criterion	Score
Business Behaviour (C&S) 1	3	D/A
Business Behaviour (C&S) 2	4	56
Business Behaviour (C&S) 3	1	69
	2	64
Sub-domain	Criterion	Score
Corporate Governance 1	1	27
Corporate Governance 2	1	14
Corporate Governance 3	1	78
Corporate Governance 4	1	4



General Overview

Position versus sector peers Rest of the World	tuə _n t	Ś		nity eost		le Ice	
	Environm _{ent}	Human Resource	Human Rights	Commu Invoiven	Busines Behaviou (C&S)	Corporate Governanc	O _{verall} ^{score}
PHY0005M1090 Aboitiz Power Corp (APC)	=	=	=	=	=	+	28
CL0001880955 AES Gener S.A.	+	+	=	=	+		31
BRTIETACNPR7 AES Tiete S/A	=	-	=	-	*= ()-`	19
XS0989152573 Bulgarian Energy Holding	-		-	-	<u>X- \</u>	-	8
CNE100001T80 CGN POWER LTD	-	=	-	- (<u>}-</u>	+	23
BMG2109G1033 CHINA GAS HOLDINGS	-	-	-	F	-	=	19
CNE100000HD4 China Longyuan Power Group Corp. Ltd.	=	_	- , (+	26
HK2380027329 China Power International Development	-	= ($\overline{\mathbf{O}}$	-	=	++	25
BMG2113B1081 China Resources Gas GP	-		-	-	-	=	20
HK0836012952 China Resources Power Holdings Co. Ltd.	=	=	_	=	=	+	30
BRCMIGACNPR3 Cia Energetica de Minas Gerais	++	+	++	+	++	=	48
CLP3615W1037 Colbun S.A.	<u></u>	=	=	=	-	-	22
BRCPLEACNPB9 Companhia Paranaense de Energia-COPEL	, -	=	-	-	-	-	20
BRCPFEACNORO CPFL Energia S.A.	=	+	+	=	=	=	29
CNE1000002Z3 Datang International Power Generation Co. Ltd.	=	-	=	=	-	=	24
CL0001583070 E-CL S.A.	-	=	-	=	-		18
BRENBRACNOR2 EDP-Energias do Brasil S.A.	++	++	++	++	++	+	57
CLP3710M1090 Empresa Nacional de Electricidad S.A.	+	+	+	+	+	=	35
PLENEA000013 Enea S.A.	=	-	-	-	-	-	18
PLENERG00022 Energa SA	+	+	=	+	+	+	37
PHY2292T1026 Energy Development Corp.	=	=	+	+	=	=	31
CLP371861061 Enersis S.A.	+	=	+	+	+	=	36
INE129A01019 GAIL (India) Ltd.	=	+	+	+	=	=	32
TH0834010009 Glow Energy PCL	=	-	=	=	=	=	24
CNE1000003D8 Huadian Power International	-		-	-	-	=	17
CNE1000006Z4 Huaneng Power International	-	-	-	-	-	-	15
CNE100000WS1 Huaneng Renewables	-	-	-	-	-	=	19
COE15PA00026 Interconexion Electrica SA ESP	+	++	+	-	+	+	39
COE16PA00016 ISAGEN S.A. E.S.P.	+	=	+	=	=	-	25



Position versus

sector peers Rest of the World

	Environ	Human Resource	H _{uman} Right _s	Commu Involvem	Busines Behaviou (C&S)	Corpora Governar	O _{Verall} ^{score}
KR7015760002 Korea Electric Power Corp.	=	-	=	=	-	=	22
KR7036460004 Korea Gas Corp.	+	=	+	+	=		28
MYL219400008 MMC Corp. Bhd		-	=	-	=	-	17
INE733E01010 NTPC Ltd.	=	=	-	+	=	-	26
ID1000111602 Perusahaan Gas Negara	=	=	=	=	+=	-	24
PLPGER000010 PGE Polska Grupa Energetyczna S.A.	=	-	=	_	X	+	21
INE752E01010 Power Grid Corp. of India Ltd.	+	-	+	_	=	=	27
QA0006929812 QATAR ELECT & WATER CO	-		-		-	-	12
RU000A0JPKH7 RusHydro	+	=	=	=	=	+	35
XS0953958641 Slovensky Plynarensky Priemysel	-	=		=	=		17
INE245A01021 Tata Power Co. Ltd.	=	=	+	+	++	+	38
PLTAURN00011 Tauron Polska Energia S.A.	=	Ŧ	=	++	=	+	31
MYL534700009 Tenaga Nasional Bhd	+	=		-	=	+	29
BRTBLEACNOR2 Tractebel Energia SA	+ +	++	+	+ +	+ +	=	49
BRTAEECDAM10 TRANSMISSORA ALIANCA DE- UNIT	\mathbf{O}	-	-	-	-		11
MYL4677OO000 YTL Corp. Bhd	=	=	=	=	=	+	28
MYL674200000 YTL Power International Bhd	-	-	-	-	-	=	14



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