



BLUE BOOK

OF INFRASTRUCTURE

*A Radiography of Infrastructure
Projects in Brazil*



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*A radiography of infrastructure projects
in Brazil*

2021 EDITION

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The Blue Book of Infrastructure and the *Blue Book Infrastructure Projects Platform* is a project developed by ABDIB, through the Planning and Economics Directorate, and were presented during the ABDIB Experience 2021 Edition, in December.

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1. PRESENTATION

The Brazilian Association of Infrastructure and Basic Industries (ABDIB) in the sector as one of the largest infrastructure events in the country is organizing this year, in a virtual model, the ABDIB Experience - 2021 edition, a consolidated annual event.

Especially for this year, ABDIB Experience - 2021 edition will present the launch of the infrastructure projects platform, which brings a dynamic update of the Blue Book, with a compilation of important projects within the federal government, states and municipalities (capitals). The objective of the ABDIB platform is to provide a source of information on investment opportunities for better market orientation and consequent attraction of investments for the sector, as well as for reflection on public policies.

ABDIB, which for decades has sought to collaborate in the promotion of investments in infrastructure in the country, developed the platform as a reliable source of information on attractive investment opportunities, which allows for a horizon of the sector's perspectives and an understanding of the bottlenecks that certain projects face seek to equate.

The platform has an unprecedented character due to the level of detail in which the projects of the States and Municipalities are found, counting on the direct collaboration of several State and Municipal secretaries. It also sought to enrich the information with socioeconomic data and with projections of expected investment curves for the coming years, for various sectors of infrastructure in Brazil.

There are opportunities in the energy, waterways, highways, railroads, ports, airports, sanitation, telecommunications, urban mobility, public lighting and solid waste sectors, which can be executed as a concession or in the form of PPPs – public-private partnerships. There are also social infrastructure projects that are central to overcoming the country's problems.

This document, "Blue Book of Infrastructure – 2021 Edition", derives from the surveys consolidated on the platform.

Investments in infrastructure are essential for the country to recover its path of economic growth, exploiting all its productive potential in the most diverse sectors of the economy. It is widely recognized that without a quality infrastructure, it will be impossible for the country to reach the level of a productive and competitive economy.

It is infrastructure, the way to improve the population's quality of life and attract new investments capable of generating income and employment.

We wish you all a good reading.

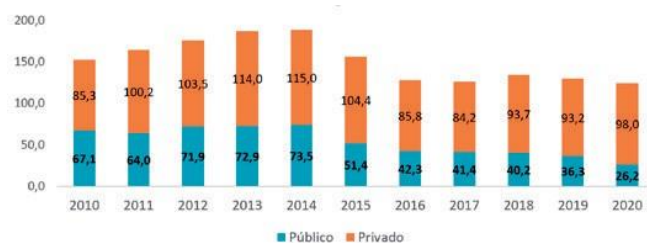
2. INFRASTRUCTURE AND RESUMPTION OF GROWTH

The Brazilian infrastructure sector is marked by investment bottlenecks in the most diverse segments. In the 1980s, the Brazilian infrastructure had a stock-to-GDP ratio close to 60%, levels similar to countries like the United Kingdom, Canada and the USA. However, the difficulty over the decades to maintain investment levels in the sector above the depreciation of assets resulted in a fall in the stock to 34% of GDP. Currently, emerging economies, such as India and China, have infrastructure stocks of 58% and 76% of GDP, respectively.

It is true that in the recent period, with the advent of the investment partnership program (PPI) there was an important institutional rearrangement in the sector where relevant advances could be seen. Results regarding the improvement of governance, transparency and dialogue with the private sector were clear and recognized by the market. Well-structured projects were auctioned, achieving success in their objectives. In 2019 we can remember important reforms that were approved. The main highlights were (i) the new structure of regulatory agencies, (ii) the economic freedom law and (iii) the approval of the pension reform. In 2020, the (i) New Sanitation Framework and (ii) the New Bankruptcy Law brought good prospects for the infrastructure sector. Other initiatives could have developed, but they were undermined by the serious COVID-19 pandemic, which threw economies into a strong economic downturn and disrupted global production chains. In 2021, despite the troubled institutional and political scenario, the New Gas Law introduced a device to facilitate gas pipeline projects, adopting the authorization regime. In July, Law 14182/21 regarding the capitalization of Eletrobrás opened an important debate in society about privatization

Graph 1 - Evolution of Investments in Infrastructure (Values at 2020 prices)

Source: Abdib



of one of the largest state-owned companies in the country and its potential to generate new investments. There are still important legislative measures with the potential to boost the sector. It is worth emphasizing that PL 3178/19 dealing with Oil and Gas Sharing, PL 2646/20 referring to a new class of Infrastructure debentures, PL 3887/20 of the Tax Reform, PL 4199/20 of Cabotage, Amendment 32/2020 of the Administrative Reform, PL 414/21 which aims at the Modernization of the Electric Sector, PL 261/18 and MP 1065/21 which deals with the authorization regime in railroads, and the PL 2159/21 which seeks to modernize the Environmental Licensing rite. If well polished, such initiatives can constitute important channels to boost the country's infrastructure sector.

In the 2019/21 three-year period, 115 auctions were carried out, generating BRL 125 billion in grants and the expectation of more than 500 billion in investments in the coming years. In 2021 alone, 48 auctions were carried out in the most diverse sectors, which generated BRL 27.8 billion in grants and have the potential to generate investments in the order of BRL 58.6 in the coming years.

Despite the merits described above, which strengthened the private sector, the country was not able to present an effective trajectory of sustainability of investments in the sector. As can be seen below, investment in infrastructure totaled BRL 124.2 billion in 2020, 3.0% lower than the BRL 128.1 billion in 2016. The private share of investments in the sector increased by 14.2% between 2016 and 2020 - an increase from BRL 85.8 billion to BRL 98 billion. In the same period, the public share fell from BRL 42.3 billion to BRL 26.2 billion. The expansion of private investment was not enough to offset the strong retraction of public investment, resulting in a substantial contraction of investments in the sector.

It takes at least 4.3% of GDP in investments per year, over the next ten years, for the country to fill the bottlenecks in Brazilian infrastructure. In the table below, we can see that in the transport sector,

and logistics are the biggest investment bottlenecks, affecting the country's competitiveness and entry into new markets.

Table 1 - Reality and need for investments in Infrastructure

Source: Abdib

Sector	Investments made (2020) BRL billion	In % GDP	Necessary investments In % GDP
Transportation / Logistics	BRL 23,0	0,31%	2,26%
Electric Power	BRL 56,4	0,76%	0,84%
Telecommunications	BRL 31,2	0,42%	0,76%
Sanitation	BRL 13,6	0,18%	0,45%
Total	BRL 124,2	1,67%	4,31%

The IMF has promoted important studies on the importance of public investment in infrastructure for the dynamism of economies. In a 2021 article "Putting Public Investment to Work", the fund's researchers showed the importance of investing in infrastructure for job creation and income generation.

Based on a 19-year dataset of more than 5.600 construction companies from 27 advanced economies and 14 emerging market economies, the IMF brings an innovative approach to measuring the direct effect on employment of US\$1 million in infrastructure spending by income group in the country and in the sectors - electricity, roads, schools, hospitals and water and sanitation.

The results indicate that in an emerging economy, about 35 jobs are created in basic sanitation per US\$ 1 million of additional

investment. In a country with low mobility and work intensity, this number can drop to around 8 jobs. In advanced economies, US\$1 million spent can generate an average of 3 jobs in schools and hospitals, and more than 6 jobs in the energy sector. In low-income, developing countries, estimates are much higher and range from 16 road jobs to 30 basic sanitation jobs. In other words, each unit of investment in public infrastructure creates more direct jobs in electricity in high-income countries and more jobs in sanitation in low-income countries.

In this sense, ABDIB has, over the last few years, emphasized the need to coordinate private and public investment efforts to recover investments in the sector. The private and public sectors need to work synergistically to maximize all investment possibilities.



BRAZIL

IN NUMBERS

3. BRAZIL IN NUMBERS

Socioeconomic Indicators

GDP (2020) = BRL 7,447,858 (million)
 US\$ = 1,451,300 (million)
 (12th economy in the world)

Population (2020) = 211.755,962 inhab.
States = 26

Federal District = 1
Municipalities = 5,568

Territorial extension = 8,515,767.05 km²

Coastal extension = 7,367 km

GDP per capita (2020) = BRL 35,172.00
 US\$ = 6,796.84

HDI (2019) = 0,765 (84th place)

Trade balance (2020) (US\$ FOB) (billions)

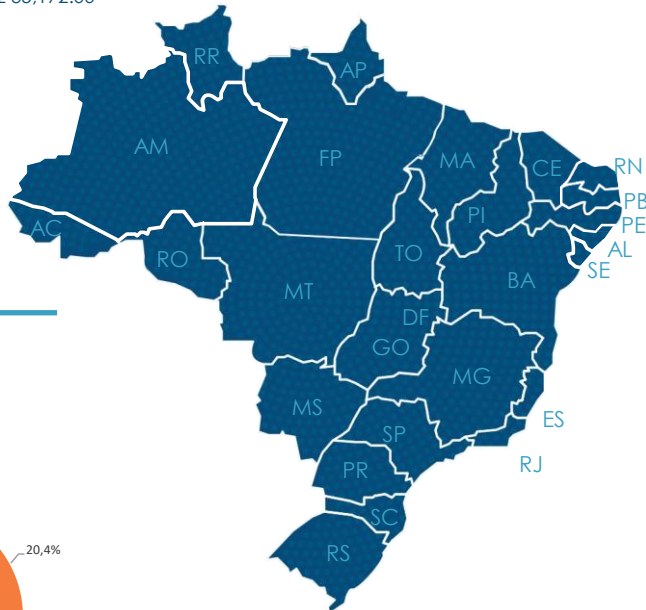
Exports = 209,9

Imports = 158,9

Trade Balance = 51,0

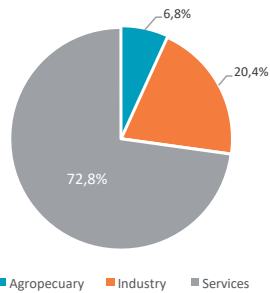
Brazilian participation in international trade = 1,0%

FDI (2020) = \$25 billion



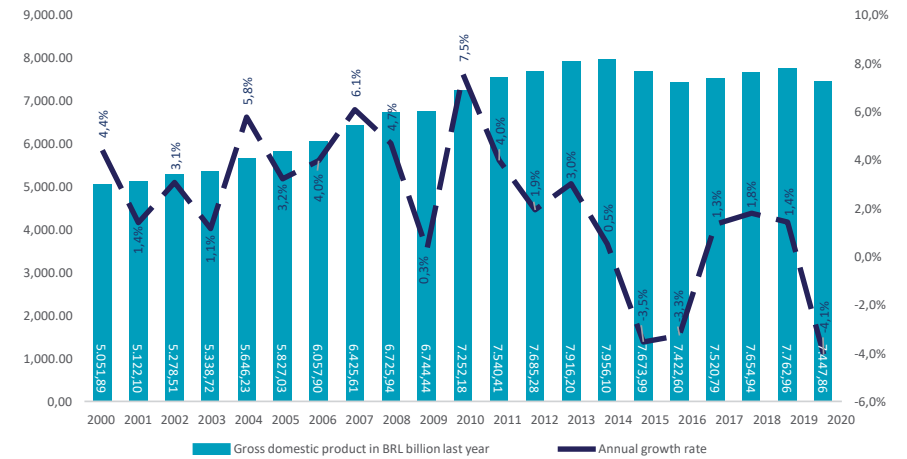
Brazil - Share of sectors in GDP in 2019

Source: Own elaboration based on IBGE data



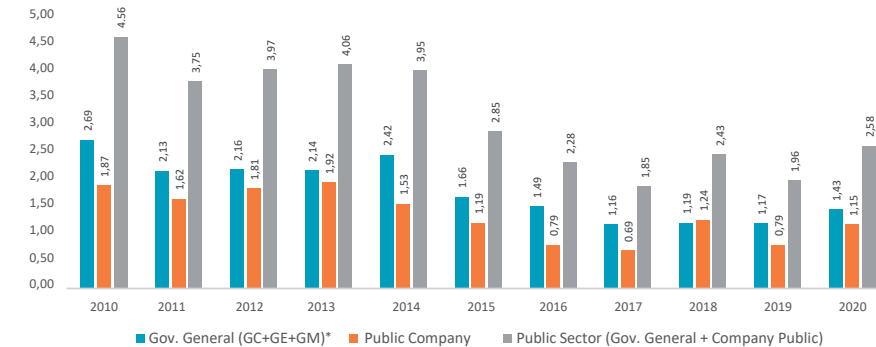
Brazil - GDP

Source: IBGE



Public Sector Investment as % of GDP

Source: FGV - IBRE - Fiscal Policy Observatory - National Treasury Data



* GC = Central Government; GE = State Government; GM = Municipal Government

Infrastructure indicators

Total road grid (2017) = 1.720.701 km

Paved federal road grid (2017) = 65,615 km

Paved state road grid (2015) = 119,747 km

Railroads grid = 30,485 km

Density of the railroads grid = 3.5 km of railroad/1000 km²

Airports

International = 18

Regional = 81

Domestic Passengers = 95.3 million (804,915 flights in 2019)

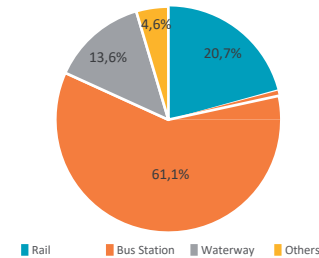
International Passengers = 24.1 million (145,742 flights in 2019)

Organized Ports = 35

Private Use Terminals = 163

Urban rail transport = 10.9 million passengers/work day

Electricity Generation (Gwh) = 626,328 (in 2019)

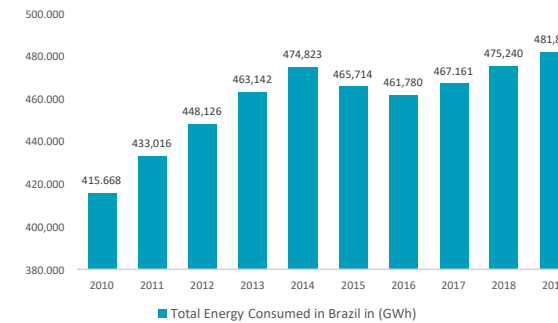
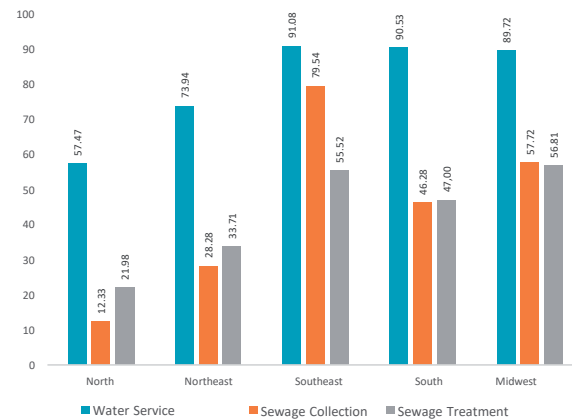


Transport matrix

Source: CNT - 2019 data

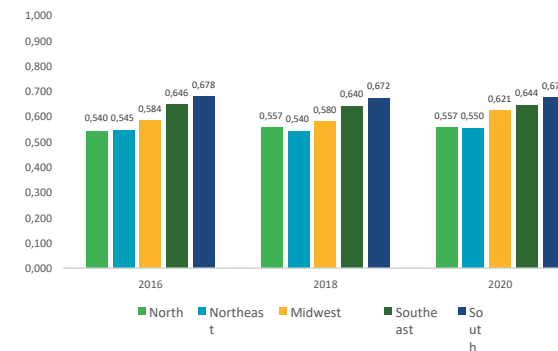
Sanitation - Water service, sewage collection and treatment (%) - by region

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019



Electricity Consumed in Brazil (in GWh)

Source: Own elaboration based on the EPE data



Solid Waste Urban cleaning sustainability index - ISLU* comparative regions of Brazil

Source: Own elaboration based on the Selurb and PwC data

* See notes

A blue-tinted silhouette of a construction site. In the foreground, three workers wearing hard hats stand on a wooden scaffolding structure. Behind them, two large tower cranes are visible against a background of a building under construction. The right side of the image features a decorative pattern of small white dots on a blue background.

**INFRASTRUCTURE
PROJECTS
OF THE FEDERAL
GOVERNMENT**

4. FEDERAL GOVERNMENT INFRASTRUCTURE PROJECTS

4.1 Federal Projects - Railroads

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
Railroad EF – 170 – MT / PA – Ferrogrão	✓	✓	Actual phase			
EF-334 / BA Railroad - West - East-FIOL Integration Railroad (stretch between Ilhéus / BA and Caetité / BA)	✓	✓	✓	✓	✓	Actual phase
Project: EF-334 Railroad - West-East-FIOL Integration Railroad (sections II and III)	Actual phase					
EFC - Carajás Railroad **	✓	✓	✓	✓	✓	Actual phase
EFVM - Vitória to Minas Gerais Railroad **	✓	✓	✓	✓	✓	Actual phase
Project: EF-354 Concession - Midwest Integration Railroad* FCA - Railroad						
Centro-Atlântica S.A.	✓	Actual phase				
MRS Logística S.A.	✓	Actual phase				
Rumo Paulista grid SA	✓	✓	✓	✓	✓	Actual phase
EF -277 - Paraná Railroad – West - Ferrowest	Actual phase					
South Grid Course	Actual phase					

Project: Ferrovia EF-170 - MT/PA - Ferrogrão

Estimated investments: BRL 25,200,000,000.00

Form of contracting the project: Concession

Project Description: The project aims to consolidate Brazil's new export rail corridor through Arco Norte, being important for agricultural outlets. The railroad will extend 933 km, between the grain-producing region from the Midwest to the State of Pará, to the Miritituba Ports. The construction of the Santarenzinho branch, between Itaituba and Santarenzinho, in the municipality of Rurópolis/PA, with 32 km, and the Itapacurá branch, with 11 km, are also planned.

Project: EF-334/BA Railroad - West - East-FIOL Integration Railroad (stretch between Ilhéus/BA and Caetité/BA)

Estimated investments: BRL 3,300,000,000.00

Form of contracting the project: Subconcession.

Project Description: The West-East Integration Railroad - FIOL (EF-334) has an extension of 1,527 kilometers, between Ilhéus/BA and Figueirópolis/TO. Section I: Ilhéus/BA – Caetité/BA, with a length of 537 km, tendered on 03.09.21.

Auction: Winner: Bamin – Bahia Mineração S.A.

Project: EF-334 Railroad - West-East-FIOL Integration Railroad (sections II and III)

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: The West-East Integration Railway - FIOL (EF-334) has an extension of 1,527 kilometers, between Ilhéus/BA and Figueirópolis/TO.

The project is divided into two sections:

Section II: Caetité/BA - Barreiras/BA, with an extension of 485 km.

Section III: Barreiras/BA - Figueirópolis/TO, with an approximate length of 505 km.

Project: EFC – Carajás Railroad

Estimated investments: BRL 8,227,400,000.00

Start of the project: Extension of the signed contract

Method of contracting the project: Extension

Project Description: The Carajás Railroad is 892 km of extension and connects the Ports of Itaqui/MA to the mineral provinces of Serra dos Carajás, in Pará.

This is a high-capacity railroad, and its main product is iron ore. In Açailândia/MA, it connects to the North-South Railroad Tramo Norte, which allows goods originating from the latter to access the Port of Itaqui. The Carajás Railroad also transports passengers between São Luiz/MA and Parauapebas/PA. The extension, which will end on June 30, 2027, will anticipate investments, which would only be made from 2027. The granting of this project may be directed towards investments in the public interest, with new investments in the grid itself, or investment in another section of the national railroad grid (cross-investments). The improvements will be a contractual obligation of the concessionaire.

Project: EFVM – Vitória to Minas Gerais Railroad

Estimated investments: BRL 8,810,000,000.00

Start of the project: Extension of the signed

Contract Method of contracting the project: Extension

Project Description: The Vitória a Minas Railroad starts in the metropolitan region of Belo Horizonte/MG, where it connects with the FCA. It has a total extension of 895 km and reaches the Port of Tubarão, in Vitória. The main product of the railroad is iron ore from Minas Gerais and is destined for export. It also carries out the transportation of general cargo and passengers.

The extension will anticipate the investments that would be made from 2027.

Project: EF-354 Concession - Midwest Integration Railroad

Estimated investments: BRL 2,730,000,000.00

Project contracting form: Concession

Project Description: The railroad has the objective of transporting the production of grains, mainly soybeans and corn, towards the main ports in the country. With an extension of 383 km, the section of the Central-West Integration Railway starts at the North-South Railway in Mara Rosa/GO and goes to Água Boa/MT.

Project: FCA – Ferrovia Centro-Atlântica S.A.

Estimated investments: BRL 13,800,000,000.00

Project contracting method: Extension

Project Description: With more than 7,200 km, the Centro-Atlântica Railroad is the largest concession federal grid. It is divided into corridors:

- Central-Southeast Corridor, in the states of Goiás, Minas Gerais and São Paulo to the Ports of Santos;
- Minas-Rio Corridor, in the states of Espírito Santo, Rio de Janeiro and Minas Gerais;

- c. Corridor Minas-Bahia, from the north of Minas Gerais arriving at the Porto de Aratú/BA and also at Petrolina, on the banks of the São Francisco River;
- d. Central-East Corridor, connecting Minas Gerais to Espírito Santo, making connection with EFVM. The granting of this project may be directed towards investments in the public interest, with new investments in the grid itself, or investment in another section of the national railroad network (cross-investments). The improvements will be a contractual obligation of the concessionaire. The extension will anticipate the investments that would be made from 2027.

Project: MRS Logística S.A.

Estimated investments: BRL 16,773,000,000.00

Project contracting form: Extension

Project Description: MRS Logística, with 1,686 km, passes through the states of Minas Gerais, Rio de Janeiro and São Paulo. Its main commodity transported is iron ore, originating in the mines near Belo Horizonte and destined for several exporting ports in Rio de Janeiro. It also operates on the line from Rio de Janeiro to São Paulo and on the line from Santos to Jundiaí, with connection to Rumo Paulista Grid. MRS has access to the Ports of Santos from the right and left margins.

Project: Rumo Paulista Grid S.A.

Estimated investments: BRL 5,780,000,000.00

Project start: Extension of the signed contract

Form of contracting the project: Extension

Project Description: Rumo Paulista grid is 1,989 km of extension, being the most important export corridor for agribusiness with cargo from the Midwest, originating at Rumo North grid and Rumo West grid bound for the Ports of Santos. It passes through the entire State of São Paulo in the Northwest-Southeast direction, from Rubinéia, on the banks of the Paraná River, to Santos. It also includes the branches: Colombia, which leaves Araraquara in the North direction until reaching the banks of the Rio Grande, and the Panorama branch, which leaves Itirapina in the West direction, until reaching the Paraná River.

The extension of the current contract, which will end on December 31, 2029, will anticipate investments that would be made only from 2030.

Project: EF-277 - Paraná Oeste Railroad - Ferroeste

Estimated investments: BRL 12,000,000,000.00

Project contracting form: Privatization

Project description: Privatization of Ferroeste, a company in the State of Paraná, and evaluation of the feasibility of extending the grid (up to 1,3710 km) with the construction of a new railway between Maracaju - MS and Cascavel - PR, the revitalization of the current railway section between Cascavel - PR and Guarapuava - PR, construction of a new railway between Guarapuava - PR and Paranaguá - PR, and construction of a branch between Cascavel - PR and Foz do Iguaçu - PR. Description of the project's importance for the State: The project aims not only to solve the existing bottleneck in the railway cargo transportation to the Port of Paranaguá, but mainly to offer an adequate and efficient logistic solution for the flow of cargo from the West of Paraná, Mato Grosso do Sul, and Paraguay.

Project: Rumo South Grid

Estimated investments: BRL 10,300,000,000.00

Project contracting form: Extension

Project Description: Extension, for another 30 years, of the current concession contract, which will expire in 2027. With the extension, it will be mandatory to invest in safety and increase the capacity of the railroad. The main goods handled are: soybeans and soybean meal, fuels, corn, containers, fertilizers, cement and cellulose. The goods are destined for the ports of Paranaguá, São Francisco do Sul and Rio Grande.

4.2 Federal Projects - Airports

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
6th Round of Airport Concessions - South Block	✓	✓	✓	✓	✓	Actual phase
6th Round of Airport Concessions - North Block I	✓	✓	✓	✓	✓	Actual phase
6th Round of Airport Concessions - Central Block	✓	✓	✓	✓	✓	Actual phase
7th Round of Airport Concessions - Block RJ/MG	✓	Actual phase				
7th Round of Airport Concessions - North Block II	✓	Actual phase				
7th Round of Airport Concessions - Block SP/MS/ PA	✓	Actual phase				
Viracopos Airport Re-bidding	✓	Actual phase				
Re-bidding of São Gonçalo do Amarante Airport	✓	✓	Actual phase			

Source: PPI - Investment Partnership Program/Note: Projects updated until 11/16/2021.

Project: 6th Round of Airport Concessions - South Block

Estimated investments: BRL 2,855,238,621.56

Project contracting method: Common concession

Project Description: Includes airports:

-Curitiba International Airport - Afonso Pena, located in the Municipality of São José dos Pinhais, in the State of Paraná;

-Foz do Iguaçu International Airport - Cataratas, located in the Municipality of Foz do Iguaçu, in the State of Paraná;

-Navegantes International Airport - Ministro Victor Konder, located in the Municipality of Navegantes, in the State of Santa Catarina;

- Londrina Airport - Governador José Richa, located in the Municipality of Londrina, in the State of Paraná;

-Joinville Airport - Lauro Carneiro de Loyola, located in the Municipality of Joinville, in the State of Santa Catarina;

- Bacacheri Airport, located in the Municipality of Curitiba, in the State of Paraná;

-Pelotas International Airport - João Simões Lopes Neto, located in the Municipality of Pelotas, in the State of Rio Grande do Sul;

-Uruguiana International Airport - Rubem Berta, located in the Municipality of Uruguiana, in the State of Rio Grande do Sul;

-Bagé International Airport - Commander Gustavo Kraemer, located in the Municipality of Bagé, in the State of Rio Grande do Sul.

Auction: Winner: Companhia Participações em Concessões

Project: 6th Round of Airport Concessions - North Block I

Estimated investments: BRL 1,478,055,373.37

Project contracting form: Joint concession

Project Description: It includes airports:

- Manaus International Airport - Eduardo Gomes, located in the Municipality of Manaus, in the State of Amazonas;
- Porto Velho International Airport - Governador Jorge Teixeira de Oliveira, located in the Municipality of Porto Velho, in the State of Rondônia;
- Rio Branco Airport - Plácido de Castro, located in the Municipality of Rio Branco, in the State of Acre;
- Boa Vista International Airport - Atlas Brasil Cantanhede, located in the Municipality of Boa Vista, in the State of Roraima;
- Cruzeiro do sul International Airport, located in the Municipality of Cruzeiro do sul, in the State of Acre;
- Tabatinga International Airport, located in the Municipality of Tabatinga, in the State of Amazonas;
- Tefé Airport, located in the Municipality of Tefé, in the State of Amazonas.

Auction: Winner: Vinci Airports

Project: 6th Round of Airport Concessions - Central Block

Estimated investments: BRL 1,800,000,000.00

Project contracting method: Common concession

Project Description: Includes airports:

- Goiânia Airport - Santa Geneveva, located in the Municipality of Goiânia, in the State of Goiás;
- São Luís International Airport - Marechal Cunha Machado, located in the Municipality of São Luís, in the State of Maranhão;
- Teresina Airport - Senador Petrônio Portella, located in the Municipality of Teresina, in the State of Piauí;
- Palmas Airport - Brigadeiro Lysias Rodrigues, located in the Municipality of Palmas, in the State of Tocantins;
- Petrolina Airport - Senador Nilo Coelho, located in the Municipality of Petrolina, in the State of Pernambuco;
- Imperatriz Airport - Mayor Renato Moreira, located in the Municipality of Imperatriz, in the State of Maranhão.

Auction: Winner: Companhia Participações em Concessões

Project: 7th Round of Airport Concessions - Block RJ/MG

Estimated investments: BRL 1,773,900,000.00

Auction: 3rd quarter of 2022.

Project contracting form: Joint concession

Project Description: It includes airports: Santos

- Dumont Airport - Rio de Janeiro (RJ) Jacarepaguá Airport (RJ)
- Airport Ten. Mobile Aviator César Bombonato - Uberlândia (MG)
- Mário Ribeiro Airport - Montes Claros (MG)
- Mário de Almeida Franco Airport - Uberaba (MG)

Project: 7th Round of Airport Concessions - North Block II

Estimated investments: BRL 868,500,000.00

Auction: 3rd quarter of 2022.

Project contracting form: Joint concession

Project Description: It includes airports:

- Belém International Airport (PA)
- Alberto Alcolumbre International Airport - Macapá (AP)

Project: 7th Round of Airport Concessions - Block SP/MS/PA

Estimated investments: BRL 5,298,000,000.00

Auction: 3rd quarter of 2022.

Project contracting form: Joint concession

Project Description: It includes airports:

- Congonhas Airport – São Paulo (SP)
- Campo de Marte Airport – São Paulo (SP)
- Campo Grande Airport – Campo Grande (MS)
- Corumbá Airport – Corumbá (MS)
- Ponta Porã Airport – Ponta Porã (MS)
- Maestro Wilson Fonseca Airport – Santarém (PA)
- João Corrêa da Rocha Airport – Marabá (PA)
- Carajás Airport – Parauapebas (PA)
- Altamira Airport (PA)

Project: Relicitation of Viracopos Airport

Estimated investments: R\$ 4.250.000.000,00

Project contracting method: Common concession

Project Description: Viracopos International Airport (VCP) is the second most important in Brazil for cargo transportation. In 2019, it handled more than 53,400 tonnes on domestic flights and 200,500 tonnes on international flights.

Project: Re-bidding of São Gonçalo do Amarante Airport

Estimated investments: BRL 295,800,000.00

Project contracting form: Joint concession

Project Description: Airport aimed at the export and tourist hub. In 2019, São Gonçalo do Amarante airport transported more than 2.2 million passengers on domestic flights and 89,000 passengers on international flights.

4.3 Federal Projects - Highways

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
BR-040/DF/GO/MG	Actual phase					
BR-135/316/MA	Actual phase					
Concession of highways BR-163/230/MT/PA - Section between Sinop/MT and Miritituba/PA	✓	✓	✓	✓	✓	Actual phase
Concession of highways BR-381/262/MG/ES - Section of BR-381/MG between Belo Horizonte and Gov. Valadares and BR-262 /MG/ES between João Monlevade/MG and Viana/ES	✓	✓	✓	✓	Actual phase	
Concession of Highways BR-470/282/153/SC and SC-412	Actual phase					
Concession of Highways BR-158/155/MT/PA	Actual phase					
Integrated Highways of Paraná - BR-153/158/163/272/277/369/373/376/476/	✓	✓	Actual phase			

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
BR-040/495/MG/RJ - Rio de Janeiro to Belo Horizonte	Actual phase					
Highway BR-116/101/SP/RJ (Dutra) - Rio de Janeiro to São Paulo	✓	✓	✓	✓	Actual phase	
Highway - BR-116/493 - Rio de Janeiro to Gov. Valadares	✓		Actual phase			
Concession of 7,213 km of highways - 15 stretches of road in 13 FUs - (project under study)	Actual phase					
Highway BR 153/080/414/GO/TO - Alança do Tocantins to Anápolis	✓	✓	✓	✓	✓	Actual phase
Highway BR 163/267 /MS	Actual phase					
Highway BR 060/153/262/DF/GO/MG	Actual phase					

Project: BR-040/DF/GO/MG

Estimated investments: BRL 7,400,000,000.00

Auction: 4th quarter of 2022.

Project contracting form: Joint concession

Project Description: The project consists of operational improvements and works for recovery, maintenance, monitoring, capacity expansion between Brasília to Juiz de Fora.

Project: BR-135/316/MA

Estimated investments: under study

Auction: 4th quarter of 2022.

Project contracting form: Joint concession

Project Description: The project will promote the region's logistics between the cities of São Luís/MA and Teresina/PI, important to meet the expressive growth in agricultural, soy and corn production, contributing to the regional development of the North and Northeast, important federal highways are part of. The improvement of highway transportation logistics will improve the flow of agricultural production, as well as the use of other modes and the feasibility of exporting production through the port complexes of Itaqui (São Luís/MA), and also of Arco Norte, in Vila do Conde (Belém/PA), being an important logistics corridor for the Midwest.

Project: Concession of the BR-163/230/MT/PA highways - Section between Sinop/MT and Miritituba/PA

Estimated investments: BRL 1.895.000.000,00

Project contracting form: Joint concession

Project Description: Concession for the exploration of the infrastructure and the provision of public service of recovery, operation, maintenance, monitoring, conservation, implementation of improvements and maintenance of the level of service of the stretch of the Highway BR-163/MT, between Divisa PA /MT to Entroncamento MT-220, in the Municipality of Sinop; Section of Highway BR-163/PA, between Entroncamento and BR-230/PA and the PA/MT border; Section of Highway BR-230/PA, between Entroncamento with Highway BR-163/PA and the Tapajós River Crossing. The road section integrates the South, the Midwest and the North of Brazil. It is an important axis for transporting the production from the Paraense part of the northern region and the north of the mid-western region.

Auction Result: Via Brasil Consortium Winner

Project: Concession of the BR-381/262/MG/ES highways - Section of the BR-381/MG between Belo Horizonte and Gov. Valadares and BR-262/MG/ES between João Monlevade/MG and Viana/ES

Estimated investments: BRL 7.370.000.000,00

Auction: 4th quarter of 2021

Project contracting form: Joint concession

Project Description: The project consists of the concession for the exploration of the infrastructure and the provision of public service of recovery, operation, maintenance, monitoring, conservation, implementation of improvements and maintenance of the level of service of Highway BR-262/ES, in the stretch between the junction with the BR-101(B) - Viana/ES - to the ES/MG border; BR-262/MG, on the stretch between Divisa ES/MG until the junction with BR-381/MG - João Monlevade/MG; and BR-381/MG, on the stretch between Belo Horizonte/MG to Governador Valadares/MG.

Section of BR-262: crosses the region of Vitória across to João Monlevade. Important, as it connects areas for livestock, agriculture, mining and industrial and commercial centers (Manhuaçu region/MG).

Section of BR-381, connecting Governador Valadares to Belo Horizonte, crossing the Steel Valley, a region where steelmakers are located, an important route for the disposal of finished products, especially in the automobile sector.

Planned works: 402 km of duplication, 228 km of additional lanes, 131 km of side roads, 3 tunnels, 247 access improvements, 125 route corrections, 40 footbridges and 288 bus stops. Implementation of the Manhuaçu contour, with 9.74 km in length.

Project: Concession of Highways BR-470/282/153/SC and SC-412

Estimated investments: BRL 8,000,000,000.00

Project contracting form: Joint concession

Project Description: The project provides for the concession of the following sections: Highway BR-470, between Navegantes/SC, to the border of the States of Santa Catarina and Rio Grande do Sul; Highway BR-282, between the junction with BR-470, to the junction with BR-153; Highway BR-153/SC, between the junction with Highway BR-282, in the Municipality of Irani, to the border between the States of Santa Catarina and Rio Grande do Sul and SC-412, on the stretch between Itajaí, BR-101 to the entrance to the Municipality of Gaspar. The works intend to expand the capacity of the road, between the east and the west of the State of Santa Catarina, with connection from the Ports of Itajaí to the interior of the State and to the Mercosur countries.

Project: Concession of Highways BR-158/155/MT/PA

Estimated investments: BRL 4,000,000,000.00

Auction: 4th quarter of 2022.

Project contracting form: Joint concession

Project Description: With 1135 km, the highway constitutes an important route for the flow of grain production in the northeast of Mato Grosso, integrating the region with the Carajás railroad and allowing the export of production through the Ports of Itaqui, in Maranhão. The project foresees the recovery, operation, maintenance, monitoring, conservation, implementation of improvements and maintenance of the service level of the stretch of Highway BR-158/MT between Ribeirão Cascalheira/MT (intersection with BR-080) until Redenção/PA (junction with BR-155) and BR-155 between Redenção (junction with BR-158) and Marabá/PA (junction with BR-222).

Project: Integrated Highways of Paraná - BR- 153/158/163/272/277/369/373/376/476/PR

Estimated investments: BRL 42,110,000,000.00

Auction: 1st quarter of 2022

Project contracting form: Joint concession

Project Description: The project includes the duplication of 1,782 km of highway, the implementation of 486 km of additional lanes, 211 km of side roads and 185 km of shoulders, the implementation of 126 km of contours, the correction of the route in 54 km of highway, in addition to the construction of 3 escape areas. More than 439 intersections and underpasses, 185 turns and roundabouts, 195 footbridges, 357 special works of art, in addition to 73 km of cycle paths, will be built.

Includes the following lots:

Lot 1: stretches of highways BR-277, BR-373, BR-376, BR-476, PR-418, PR-423 and PR-427, 473.01 km long;
Lot 2: stretches of highways BR-153, BR-277, BR-369, BR-373, PR-092, PR-151, PR-239, PR-407, PR-508 and PR-855, extension of 575.53 km;
Lot 3: stretches of highways BR-369, BR-376, PR-090, PR-170, PR-323 and PR-445, 561.97 km long;
Lot 4: stretches of highways BR-272, BR-369, BR-376, PR-182, PR-272, PR-317, PR-323, PR-444, PR-862, PR-897 and PR-986, 627.98 km long;
Lot 5: stretches of highways BR-158, BR-163, BR-369, BR-467 and PR-317, 429.85 km long; and
Lot 6: stretches of highways BR-163, BR-277, R-158, PR-180, PR-182, PR-280 and PR-483, 659.33 km long.

BR-040/495/MG/RJ - Rio de Janeiro to Belo Horizonte

Estimated investments: BRL 3.100.000.000,00

Auction: 4th quarter of 2022.

Project contracting form: Joint concession

Project Description: The bidding of the current highway, intends to guarantee the continuity of the operational services and works of recovery, maintenance, monitoring, expansion of capacity and improvements in the stretch. The new investments will result in the improvement of the level of service offered, ensuring greater fluidity and reliability.

In the feasibility study, the scope of the project was defined at 443 km, comprising the following sections: BR-040/MG/RJ (Old Concer) – Section between Rio de Janeiro and Juiz de Fora; BR-040/MG (Old Via 040) – Section between Juiz de Fora and Belo Horizonte; BR 495/RJ – Section between Petrópolis/RJ and Teresópolis/RJ.

Project: Highway BR-116/101/SP/RJ (Dutra) - Rio de Janeiro to São Paulo

Estimated investments: BRL 14.800.000.000,00

Project contracting form: Joint concession

Project Description: New concession for the exploitation of the road system, for a period of 30 years, of infrastructure and the provision of recovery, operation, maintenance, monitoring, conservation, implementation of improvements, expansion of capacity, maintenance of service level and user safety.

The project consists of the following sections:

- Highway BR-116/RJ - Start: junction with BR-465, in the municipality of Seropédica (RJ), end: border of the States of Rio de Janeiro and São Paulo; stretch = 124.9 km;
- Highway BR-116/SP - Start: border of the States of Rio de Janeiro and São Paulo, end: junction of BR-381/SP-015 (Marginal Tietê) in São Paulo (SP); stretch = 230.6 km;
- Highway BR-101/RJ - Start: junction with BR-465, in the city of Rio de Janeiro (Campo Grande), end: border of the States of Rio de Janeiro and São Paulo; stretch = 218.2 km
- Highway BR-101/SP - Start: border of the States of Rio de Janeiro and São Paulo; end: Praia Grande, Ubatuba (SP); stretch length = 52.1 km.

Planned works: Implementation of lanes by direction and internal and external berths; duplication works; construction of additional tracks; construction of side roads, footbridges, tunnels, and implementation of bus stops on the highway.

Auction: Winner: CCR Group

Project: Highway – BR-116/493 - Rio de Janeiro to Gov. Valadares

Estimated investments: BRL 8.607.000.000,00

Auction: 1st quarter of 2022

Project contracting form: Joint concession

Project Description: Road section previously granted to CRT - Concessionária Rio-Teresópolis. The new investments include the duplication of 309 km of highways and 245 km of additional lanes, the construction of 65 pedestrian walkways, 61 km of side roads and the construction of 2 areas for truck drivers to rest. The current scope of the project has been increased to 727 km, comprising the following sections:

Highway BR-116/RJ – Section between the junction with BR-101/RJ (Trevo das Margaridas), at

municipality of Rio de Janeiro (RJ), and the junction with the BR-465, in Seropédica (RJ) (46.6 km); Highway BR-116/RJ – Section between the junction with BR-393, in the district of Jamapar (RJ), and the junction with BR-040(A)/493(B)/RJ-109, in Duque de Caxias (RJ) (146.3 km); Highway BR-116/MG – Section between the junction with BR-381/451, in Governador Valadares (MG), and the border of the States of Minas Gerais and Rio de Janeiro (409.6 km); Highway BR-493/RJ – Section between the junction with the BR-101 (Manilha), in Itabora (RJ), and the junction with the BR-116 (Santa Guilhermina), in Mag (RJ) (26.0 km); Highway BR-493/RJ – Section between the junction with BR-040/116(B), in Duque de Caxias (RJ), and the Port of Itagua (RJ) (75.6 km); Highway BR-465/RJ – Section between the junction with the BR-116 and the junction with the BR-101 (22.8 km).

Project: Concession of 7,213 km of highways - 15 Road sections in 13 UFs - (project under study)

Estimated investments: BRL 45.500.000.000,00

Auction: 3rd quarter of 2022

Project contracting form: Joint concession

Project Description: Technical studies in progress for the future concession of 5348 km of highways.

It includes the following sections:

- BR - 101/BA/SE/AL/PE/RN - Between: Border ES/BA to Natal/RN – Length: 1,835 km;
- BR - 116/304/CE/RN – Between: Border Natal/RN to Fortaleza/CE – Length: 533 km;
- BR - 116/BA/PE – Between: Feira de Santana/BA to Salgueiro/PE – Length: 495 km;
- BR - 230/PB – Between: Joo Pessoa/PB to Campina Grande/PE – Length: 128 km;
- BR - 116/MG – Between Governador Valadares and the MG/BA border – Length: 409 km;
- BR - 231/MG – Between Montes Claros/MG to Entroncamento BR – 116/MG – Length: 342 km;
- BR - 020/DF/GO/BA – Between Planaltina/DF to Barreiras/BA – Length: 587 km;
- BR - 116/290/RS – Between Camaqu/RS to Pntano Grande/RS – Length: 229 km;
- BR - 158/392/RS – Between Panambi/RS to Santana de Boa Vista/RS – Length: 321 km;
- BR - 232/PE – Between Recife/PE to Arco Verde/PE – Length: 248 km;
- BR - 452/GO – Entre Rio Verde/GO - Junction with BR-153 – Length: 199 km;
- BR-364/060/MT/GO – Between Rondonpolis – MT to Goinia/GO – Length: 718 km;
- BR-235/SE – Between Entroncamento with BR-101 (Aracaj/SE) to Entroncamento with SE-175 (Itabaiana/SE). – Length: 55.4 km;
- BR-282/SC – Between Entroncamento with BR-101 (Palhoa - SC) to Entroncamento with BR-470 – Length: 310.3 km;
- BR- 364/MT/RO Between Comodoro/MT to Porto Velho/RO – Length: 804 km.

Project: Highway – BR 153/080/414/GO/TO - Aliana do Tocantins to Anpolis

Estimated investments: BRL 7.817.000.000,00

Project contracting form: Joint concession

Project Description: The concession section are: Highway BR-153/TO/GO, between Aliana do Norte and Anpolis; Highway BR-080/GO, between Gurupi (BR-153) to Assuno de Gois (BR-414); Highway BR-414/GO, between Assuno de Gois to Anpolis. The BR-153 highway is an important highway for national integration in Brazil.

Auction Result: ECO 153 Consortium Winner (Ecorodovias)

Project: Highway BR 163/267/MS

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: The project provides for the re-bidding of the BR-163/MS concession with a total length of 1,094 km. The stretch of BR-163/MS is located in an important regional logistics corridor in the Midwest, being responsible for the flow of agricultural production of corn and soybeans. The technical feasibility studies are under the responsibility of the Planning and Logistics Company (EPL).

Project: Highway BR 060/153/262/DF/GO/MG

Estimated investments: BRL 10,000,000,000.00

Project contracting method: Common concession

Project Description: The project provides for the re-bidding of the concession of BR 060/153/262/DF/GO/MG with a total length of 1,176 km, connecting Brasília to Betim (MG). The feasibility study is being carried out by EPL – Planning and Logistics Company.

4.4 Federal Projects - Ports

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
Terminal Leasing at the Ports of Itaqui/MA - IQI03	✓	✓	✓	✓	✓	Actual phase
Terminal Leasing at the Ports of Itaqui/MA - IQI11	✓	✓	✓	✓	✓	Actual phase
Terminal Leasing at the Porto de Itaqui/MA - IQI12	✓	✓	✓	✓	✓	Actual phase
Terminal Leasing at the Porto de Itaqui/MA - IQI13	✓	✓	✓	✓	✓	Actual phase
Terminal rental at the Porto de Maceió / AL - MAC10	✓	✓	✓	✓	✓	Actual phase
Terminal rental at the Porto de Maceió / AL - MAC11	✓	✓	Actual phase			
Terminal rental at the Porto de Maceió / AL - MAC12	✓	✓	Actual phase			
Terminal rental at the Porto de Maceió / AL - MAC13	✓	✓	✓	✓	Actual phase	
Terminal Lease at the Porto de Santana/AP - MCP02	✓	✓	✓	✓	✓	Actual phase
Terminal rental at the Porto de Mucuripe / CE - MUC01	✓	✓	✓	✓	✓	Actual phase
Terminal Leasing at Porto de Paranaguá/PR - PAR12	✓	✓	✓	✓	✓	Actual phase
Lease of terminal at the Port of Paranaguá/PR - PAR32	✓	✓	Actual phase			
Lease of terminal at the Port of Paranaguá/PR - PAR50	✓	✓	Actual phase			

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
Terminal Leasing at Porto de Paranaguá/PR - PAR09	Actual phase					
Terminal Leasing at Porto de Paranaguá/PR - PAR14	Actual phase					
Terminal Leasing at Porto de Paranaguá/PR - PAR15	Actual phase					
Leasing of terminal at Port of Santos/SP - STS08	✓	✓	✓	✓	Actual phase	
Leasing of terminal at Port of Santos/SP - STS08A	✓	✓	✓	✓	Actual phase	
Leasing of terminal at Port of Santos/SP - STS10	Actual phase					
Leasing of terminal at Port of Santos/SP - STS11	✓	✓	Actual phase			
Leasing of terminal at Porto de Suape/PE - SUA01	Actual phase					
Maritime Passenger Terminal at the port of Mucuripe/CE	✓	✓	✓	Actual phase		
Terminal lease at the Port of Mucuripe/CE - MUC59	✓	✓	✓	✓	Actual phase	
Leasing of Salineiro Terminal of Areia Branca/RN - TERSAB	✓	✓	✓	✓	Actual phase	
Terminal for liquid and solid bulk in the port of Vila do Conde/PA - VDC10	✓	Actual phase				
Lease of terminal at the Porto de Aratu/BA - ATU 12	✓	✓	✓	✓	✓	Actual phase
Lease of terminal at the Porto de Aratu/BA - ATU 18	✓	✓	✓	✓	✓	Actual phase
Terminal lease at the Port of Imbituba/SC - IMB05	✓	✓	✓	✓	Actual phase	
Terminal lease at the Port of Itaguaí/RJ - ITG03	✓	✓	Actual phase			

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
Privatization of the Port of Santos / SP - CODESP	Actual phase					
Privatization of the Porto de Vitória / ES - CODESA	✓	✓	Actual phase			
Privatization of the Porto de São Sebastião / SP	Actual phase					
Privatization of the Porto de Itajaí / SC	Actual phase					
Privatization of the Ports of Salvador, Aratu - Candeias and Ilhéus (Codeba)	Actual phase					

Source: PPI - Investment Partnership Program / Note: Projects updated until 11/16/2021.

Project: Terminal Leasing at the Porto de Itaqui/MA - IQI03

Estimated investments: BRL 106,500,000.00

Project contracting form: Lease

Project Description: Lease of a port terminal, an area of 25,726 m², for the handling of liquid bulk, mainly fuel, located in the Organized Port of Itaqui/MA

Auction Result: Winner: Santos Brasil Participações

Project: Terminal Leasing at the Porto de Itaqui/MA - IQI11

Estimated investments: BRL 133,312,000.00

Project contracting form: Lease

Project Description: Lease of the port terminal, area of 33,607m², brownfield, for the handling of liquid bulk, mainly fuel, located in the Organized Porto de Itaqui/MA.

Auction Result: Winner: Santos Brasil Participações

Project: Terminal Leasing at the Porto de Itaqui/MA - IQI12

Estimated investments: BRL 177,276,386.00

Project contracting form: Lease

Project Description: Implementation of the entire infrastructure of the terminal for the operation of liquid bulk, including buildings, tanks, pipes, as well as with the equipment to be used in the operation, with the forecast of installing approximately 78,722 m³ of static capacity, and area forecast for future tank expansion.

Auction Result: Winner: Santos Brasil Participações

Project: Terminal Leasing at the Porto de Itaqui/MA - IQI13

Estimated investments: BRL 178,502,725.00

Project contracting form: Lease

Project Description: Implementation of the entire infrastructure of the terminal for the operation of liquid bulk, including buildings, tanks, pipes, as well as with the equipment to be used in the operation, with the forecast of installing approximately 78,722 m³ of static capacity, and area forecast for future tank expansion.

Auction Result: Winner: Tequimar

Project: Lease of a terminal at the Porto de Maceió/AL - MAC10

Estimated investments: BRL 12,780,000.00

Project contracting form: Lease

Project Description: Investments in facilities and equipment necessary for operation, which include storage tanks, pipelines, road dispatch systems and a pump station to provide the implantation of the projected static capacity.

Auction Result: Winner: Timac Agro Industria

Project: Lease of a terminal at the Porto de Maceió/AL - MAC11

Estimated investments: BRL 219,130,000.00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: Terminal for handling and storage of fuels.

Project: Lease of a terminal at the Porto de Maceió/AL - MAC12

Estimated investments: BRL 9,270,000.00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: Terminal for handling and storage of fuels.

Project: Lease of a terminal at the Porto de Maceió/AL - MAC13

Estimated investments: BRL 55.864.000,00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: With an area of 71 thousand m², the area of the Porto de Maceió called MAC 13 is intended for the handling and storage of solid vegetable bulk, especially sugar. The terminal is the only one to operate this type of cargo at the port.

Auction Result: A tie

Project: Lease of terminal at the Porto de Santana/AP - MCP02

Estimated investments: BRL 41,350,000.00

Project contracting form: Lease

Project Description: Terminal with an area of 3,186.74 m² for handling solid bulk, mainly soybean meal. Implementation of silos and conveyor belts connected to pier one and two of the Porto de Santana.

Auction Result: Caramuru Alimentos

Project: Lease of terminal at Porto Mucuripe/CE - MUC01

Estimated investments: BRL 56,800,000.00

Project contracting form: Lease

Project Description: Terminal for handling, storage and distribution of cargo, mainly wheat.

Auction Result: Winner: Fortaleza Grão Terminal

Project: Lease of a terminal at the Porto de Paranaguá/PR - PAR12

Estimated investments: BRL 22,200,000.00

Project contracting form: Lease

Project Description: Terminal for the handling and storage of Roll-on/Rolloff (Ro-Ro) vehicle loads

and its parts in the port of Paranaguá/PR. The area called PAR-12, has 154,916 thousand m² and is located at the rear of the Terminal de Contêineres de Paranaguá – TCP.

Auction Result: Winner: Ascensus Gestão e Participação

Project: Lease of terminal at the Porto de Paranaguá/PR - PAR32

Estimated investments: BRL 28,540,000.00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: Terminal for handling general cargo, mainly bagged sugar.

Project: Lease of terminal at the Porto de Paranaguá/PR - PAR50

Estimated investments: BRL 150.000.000,00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: Terminal (brownfield) with 85,616 m², dedicated to the handling, storage and distribution of Liquid Fuel Bunks, mainly for chemical products, ethanol, vegetable oils and fuels. The project has a road connection that integrates it with the entire south and southeast region, and pipeline connection with the public dock.

Project: Terminal Leasing at Porto de Paranaguá/PR - PAR09

Estimated investments: Under study

Project contracting form: Lease

Project Description: Lease of terminal for handling and storage of vegetable bulk, soybeans, soybean meal, corn, sugar, wheat, malt and barley. The terminal has an area of 34,688m², the static capacity of the terminal is under study.

Project: Terminal Leasing at Porto de Paranaguá/PR - PAR14

Estimated investments: Under study

Project contracting form: Lease

Project Description: Lease of terminal for handling and storage of vegetable bulk, soybeans, soybean meal, corn, sugar, wheat, malt and barley. The terminal has an area of 51,789m², the static capacity of the terminal is being studied.

Project: Terminal Leasing at Porto de Paranaguá/PR - PAR15

Estimated investments: BRL 590.000.000,00

Project contracting form: Lease

Project Description: Lease of terminal for handling and storage of vegetable bulk, soybeans, soybean meal, corn, sugar, wheat, malt and barley. The terminal has an area of 40,603m², and the terminal's static capacity is estimated at 115 thousand tons.

Project: Leasing of terminal at Port of Santos/SP - STS08

Estimated investments: BRL 265,485,000.00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: The STS08 area has 139,319m² and is intended for the storage and distribution of liquid bulk, especially fuels.

Project: Leasing of terminal at Port of Santos/SP - STS08A

Estimated investments: BRL 791,783,000.00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: The STS08A area, with 305,688m², is intended for the handling and storage of liquid and gaseous bulk.

Auction Result: Petrobras

Project: Leasing of terminal at Port of Santos/SP - STS10

Estimated investments: BRL 2.200.000.000,00

Project contracting form: Lease

Project Description: Leasing of a port terminal for handling and storing containerized cargo. The terminal has an area of 463,843 m², with the expectation that the new terminal will have a static capacity of 47,547 TEU.

Project: Leasing of terminal at Port of Santos/SP - STS11

Estimated investments: BRL 693.000.000,00

Project contracting form: Lease

Project Description: Lease of a port terminal for solid bulk handling. The movement at the terminal is intended for exports of soybeans, corn, soybean meal and sugar.

Project: Leasing of terminal at Porto de Suape/PE- SUA01

Estimated investments: BRL 7,589,000.00

Auction: under study

Project contracting form: Lease

Project Description: Terminal for handling and storing vehicles and roll-on roll-off loads (RoRo)

Project: Maritime Passenger Terminal at the port of Mucuripe/CE

Estimated investments: BRL 1,600,000.00

Auction: Date to be defined

Project contracting form: Lease

Project Description: Improvements in passenger Boarding, disembarkation and transit facilities.

Project: Terminal lease at the Port of Mucuripe/CE – MUC59

Estimated investments: BRL 120,740,000,00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: Leasing of a port terminal for handling and storing containerized cargo. The terminal has an area of 25,628 m², with the expectation that the new terminal will have a static capacity of 51,377 thousand m³.

Project: Leasing of Salineiro Terminal of Areia Branca/RN - TERSAB

Estimated investments: BRL 165,000,000,00

Auction: 4th quarter of 2021

Project contracting form: Lease

Project Description: Terminal for the handling and storage of solid mineral bulk, especially sea salt.

Project: Terminal for liquid and solid bulk in the port of Vila do Conde/PA - VDC10

Estimated investments: BRL 423.000.000,00

Auction: 1st quarter of 2022

Project contracting form: Lease

Project Description: Terminal for handling, storage of liquid bulk, alumina and hydrate.

Project: Lease of terminal at the Porto de Aratu/BA - ATU 12

Estimated investments: BRL 280.541.000,00

Project contracting form: Lease

Project Description: Brownfield project, with approximately 154,916 m². The expectation of an average movement of 2 million tons year of solid bulk, mainly fertilizers, copper concentrate and ores.

Auction Result: Winner: CS Brasil

Project: Lease of terminal at the Porto de Aratu/BA - ATU 18

Estimated investments: BRL 119,387,000.00

Project contracting form: Lease

Project Description: Greenfield project with approximately 51,562 m², with a movement of 90,000 tons, which will be dedicated to the handling and storage of solid vegetable bulk.

Auction Result: Winner: CS Brasil

Project: Terminal lease at the Port of Imbituba/SC – IMB05

Estimated investments: BRL 25.000.000,00

Project contracting form: Lease

Project Description: Leasing of a port terminal for handling and storing containerized cargo. The terminal has an area of 7,455 m², with the expectation that the new terminal will have a static capacity of 14,973t.

Project: Terminal lease at the Port of Itaguaí/RJ – ITG03

Estimated investments: BRL 70.000.000,00

Project contracting form: Lease

Project Description: Lease of a port terminal for solid bulk handling. The terminal has an area of 22,564 m², with the expectation that the new terminal will have a static capacity of 30,630t.

Project: Privatization of the Port of Santos/SP - CODESP

Estimated investments: BRL 10,500,000,000.00

Auction: Date to be defined

Project contracting form: Privatization

Project Description: Privatization of the Port de Santos to modernize port management and attract new investments. The Port of Santos is located 70 km from the city of São Paulo. The Port of Santos channel is a natural waterway, 25 km long, and 16 km of pier. The channel allows the navigation of vessels up to 340 meters long and a maximum draft of 14.50 meters. In total, there are 60 berths, allowing access to 53 terminals. In 2019, a total of 134 million tons of goods and merchandise were handled at the port.

Project: Privatization of the Porto de Vitória/ES - CODESA

Estimated investments: BRL 1.000.000.000,00

Auction: 1st quarter of 2022

Project contracting form: Privatization

Project Description: Privatization of the Porto de Santos to modernize port management and attract new investments. The main cargoes handled in the Port of Vitória are: pig iron; gasoline, diesel oil, alcohol, malt, wheat and corn, fertilizers, coal coke; copper and concentrates, marbles and granites and caustic soda.

Project: Privatization of the Porto de São Sebastião/SP

Estimated investments: BRL 574.000.000,00

Auction: 2nd quarter of 2022.

Project contracting form: Privatization

Project Description: Privatization of the Porto de Santos to modernize port management and attract new investments. The port of is a federal concession, currently managed by Companhia Docas de São Sebastião, located in the city of São Sebastião, in the State of São Paulo. The federal concession to the state will expire in 2032.

The port is important for coastal shipping and for the outflow of agricultural production and industries in the State of São Paulo.

Project: Privatization of the Porto de Itajaí/SC

Estimated investments: Under study

Auction: 4th quarter 2022

Project contracting form: Privatization

Project Description: Privatization of the Porto de Santos to modernize port management and attract new investments. The port is the second in terms of container handling, with an important export movement of frozen foods.

Project: Privatization of the Ports of Salvador, Aratu-Candeias and Ilhéus (Codeba)

Estimated investments: Under study

Auction: 2nd quarter of 2021

Project contracting form: Privatization

Project Description: Privatization of the organized ports of Salvador, Aratu-Candeias and Ilhéus. Cargo handling in port facilities is diversified. The main cargoes handled are: ores, chemicals, containers, general cargo, wheat, cellulose and fruits.

4.5 Federal Projects - Electricity

MONITORING OF PROJECTS						
Project	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
Transmission facilities concession auction (5 lots)	✓	Actual phase				

Source: PPI - Investment Partnership Program / Note: Projects updated until 11/16/2021.

Project: Transmission facilities concession auction (5 lots)

Estimated investments: BRL 2.700.000.000,00

Auction: dec.2021

Project contracting form: Joint concession

Project Description: The transmission auction includes 5 lots for the implementation of lines and substations in the states of Amapá, Bahia, Minas Gerais, Paraná and São Paulo. The lots add up to a total of 902 km of transmission lines and 1000 MVA of transformation. It includes the following sections:

Lot 1 - LT 500 kV Ponta Grossa – Assis, CD, C1 and C2, with 284 km; – LT 525 kV Bateias – Curitiba Leste, CD, C1 and C2, with 79 km.

Lot 2 - SE 500 kV Olindina II – transformation – 500/230 kV – (3+1Res) x 150 MVA and respective connections between the 500 kV and 230 kV yards.

Lot 3 - LT 230 kV Rio das Éguas – Rio Grande II, C1, with 147 km; – LT 230 kV Barreiras II – Barreiras, C3, with 18,5 km.

Lot 4 - SE 500 kV Narrow - 3 Synchronous -300/+300 Mvar

Lot 5 - LT 230 kV Macapá – Macapá III, C1, with 10 km; -SE 230/69 kV Macapá III, with 2 x 150 MVA transformation.

4.6 Federal Projects - Oil and Gas

MONITORING OF PROJECTS						
Projects	Studies	Public Consultation	TCU Judgment	Notice	Auction	Signature of the Contract
Project: 17th Round – Blocks Concession Regime Areas for Permanent Offer - 2021 Cycle	✓	✓	✓	✓	Actual phase*	
Project: Bidding – Sharing Scheme – Sepia and Atapu Areas	✓	✓	✓	Actual phase	12.17.21	

Project: 17th Round – Blocks Concession Regime

Project contracting form: Joint concession

Project Description: Concession of 92 blocks (offshore), in the basins: Potiguar, Campos, Santos and Pelotas – total of 54 thousand km²

Project: Areas for Permanent Offer - 2021 Cycle

Project contracting form: Joint concession

Project Description: In total, there are 1,068 exploratory blocks. The blocks are located in the States: AM, BA, CE, ES, MT, PB, PR, PE, RJ, RN, RS, SP, SE. The period for exploration of the blocks will be 27 years, after the declaration of commerciality of the block.

Project: Bidding – Sharing Scheme – Sepia and Atapu Areas

Estimated investments: BRL 200.000.000.000,00

Method of contracting the project: Sharing regime

Project description: Bidding under the production sharing regime for the volumes exceeding the contracts of the Transfer of Rights regime in the areas of Sépia and Atapu.

SOLUÇÕES DE TRANSPORTE PARA UM PLANETA MELHOR

O aumento da população e da concentração urbana fazem das infraestruturas de transporte os pilares sobre os quais o desenvolvimento sustentável deve estar sustentado. Na ACCIONA, construímos infraestruturas resilientes que contribuem para o bem-estar da sociedade de hoje e das gerações de amanhã.



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BUSINESS AS UNUSUAL



REGION
CENTRAL-WEST

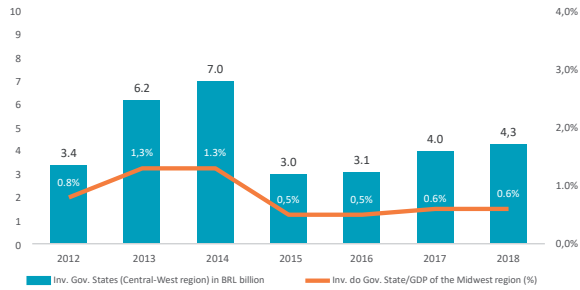
5. MIDWEST REGION

Midwest Region GDP = BRL 694 billion (2018 data) (9.9% of Brazilian GDP)
Population of the Midwest Region = 16,085,885 inhabitants (7.7% of Brazil) (in 2018)
GDP per capita = BRL 43,200 in 2018



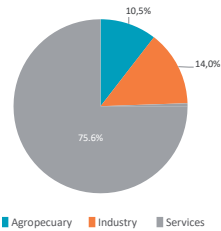
Investments in state governments in the C. West region and investments in state governments/GDP in the region (%)

Source: Own elaboration based on data from IBGE and the National Treasury



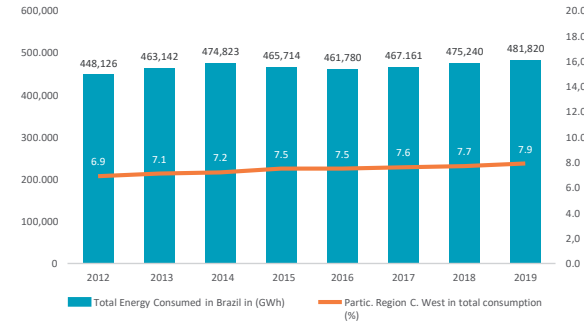
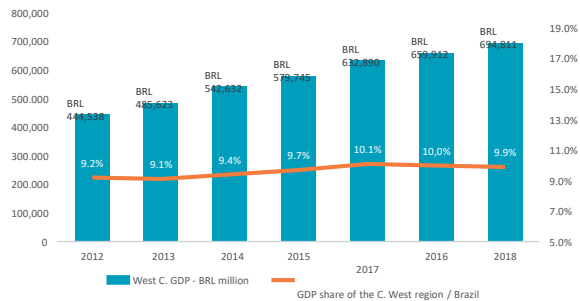
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



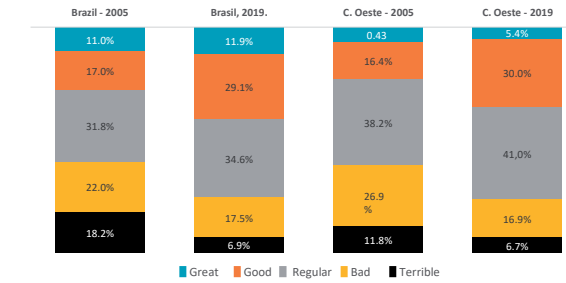
GDP of region C. Oeste and share of GDP of region C. Oeste in Brazil's GDP

Source: Own elaboration based on IBGE data



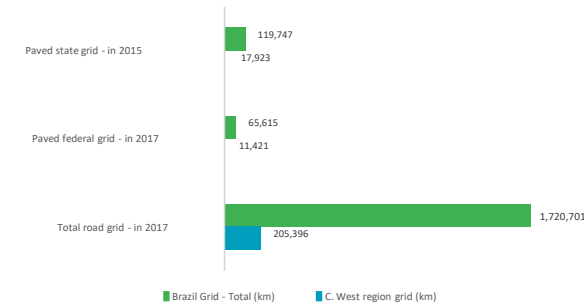
Electric Energy - Total electric energy consumed in Brazil and share of consumption in region C. West

Source: Own elaboration based on EPE data



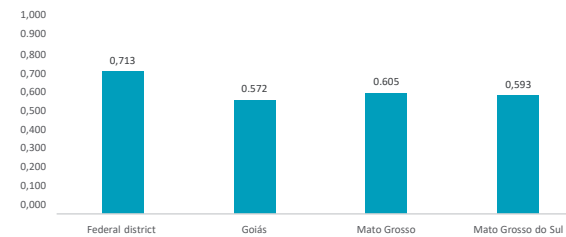
Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research Highways 2019



Transport - Highways - Brazilian Highway Grid and C. Oeste (km)

Source: Own elaboration based on the CNT data



Solid Waste - Urban cleaning sustainability index - ISLU* 2020 - average by State

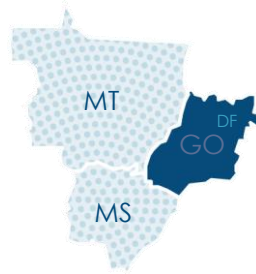
Source: Own elaboration based on data from Selurb and PwC

* See notes

5.1 FEDERAL DISTRICT

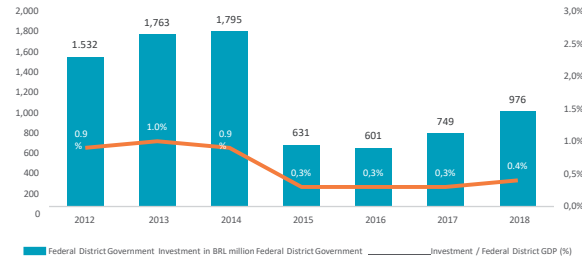


GDP = BRL 254,817 million (2018 data)
Population = 2,974,703 inhabitants
GDP per capita = BRL 85,661 in 2018



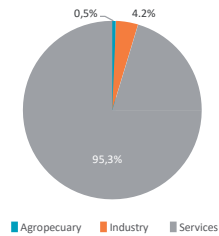
Investment by the Federal District Government/ Federal District GDP

Source: Own elaboration based on data from IBGE and the National Treasury



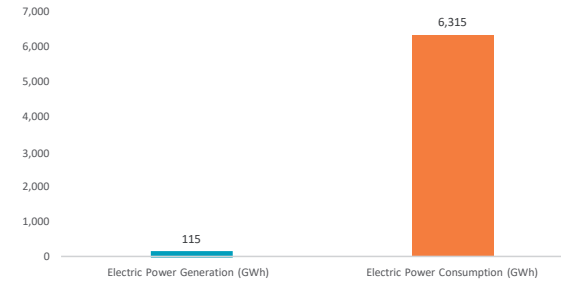
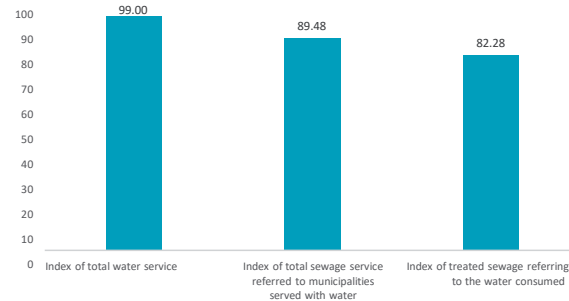
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



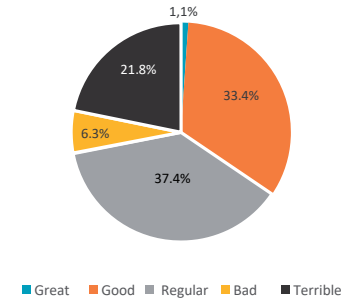
Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development.



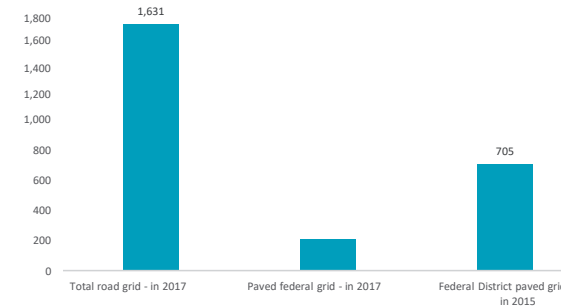
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on the EPE data



Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Road grid in the Federal District (km)

Source: Own elaboration based on CNT data.

Federal District Projects

MONITORING OF PROJECTS								
Project	Market Prospect ing	Feasibility Study/Techn ical	Modeling/St ructuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract	
Avenue of the Cities	✓	✓	✓	Actual phase				
Concession of the Subway Service of the Federal District	✓	Actual phase						
Implementation of LVR line - DF	✓	Actual phase						
Short-term Parking								
DER Apprehension Yards	✓	✓	✓	✓	✓	Actual phase		
Pilot Plan Bus Station								
BRT West and South + Asa Sul Terminal	✓	Actual phase						
New North Exit	✓	Actual phase						
Via Ponte Paranoá	Actual phase							
Ponte do Bragueto Gastronomic Center	Actual phase							
State Games and Lotteries within the DF	✓	✓	✓	Actual phase				
Public Marinas	✓	Actual phase						
Prainha do Norte	✓	Actual phase						
Hospital Complex of the Center-South Health Region	✓	Actual phase						
DF Logistics Hub	✓	Actual phase						
Diagnostic support network of the Federal District Health Department – SES/DF	✓	Actual phase						
Laundry service for the Public Health Network of the Federal district	✓	Actual phase						
Ceasa	✓	✓	✓	Actual phase				
Complexo Esportivo e de Lazer do Guar4 - CAVE	✓	✓	✓	✓	Actual phase			
Commu nity Restaura nts	✓	✓	✓	Actual phase				

Source: Secretary of State for Transport and Mobility of the Federal District – SEMOB and Secretary of Special Projects of the Federal District

Project: Avenida das Cidades

Estimated investments: BRL 2,900,000,000.00

Project contracting method: PPP

Project Description: Development, implementation, operation and maintenance of Via Transbr4s4lia and its urban complex. It will be implemented from the burial of the set of high voltage overhead lines that cross the southwest region of the DF, from the Bras4lia Geral substation, located on the banks of Via EPIA, through the Bras4lia Sul substation, located in the East subcenters of Samambaia, to the Samambaia substation. Urban integration and requalification with a total extension of about 26 km, which crosses this region of Guar4 I and II, 4guas Claras, Park Way, Taguatinga and Samambaia and indirectly the entire urban cluster of the southwestern quadrant of DF.

Importance of the Project for the DF: In addition to improving transportation infrastructure and, consequently, urban mobility, the Via Transbr4s4lia Project presents an urban proposal that adds value to the administrative regions with the highest housing density in the Federal District, through the upgrading of the urban space. The project should include, in addition to the new way of integration and connection with the existing road system, diversified use, superior quality infrastructure, large green areas and cycle paths. This entire urban complex will contribute to the generation of new business, leisure and housing centers, which will promote the essential conditions for obtaining a sense of counter flow towards these new axes, decentralizing the supply of work and employment, which today is concentrated in the Pilot Plan.

Project: Concession of the Subway Service of the Federal District

Estimated investments: BRL 1,400,000,000.00

Contracting project form: PPP

Project description: Concession to the private sector for the management, operation, maintenance and eventual expansion of subway services in the Federal District.

Importance of the Project for the DF: Improvement of the operational and financial management of subway services, with the reduction of the subsidy necessary for the system and its modernization and capacity expansion.

Project: Implementation of a tram line LVR - DF

Estimated investments: BRL 2,100,000,000.00

Project contracting method: PPP

Project description: Implementation of the first VLT line in the Federal District, in the sections comprised by the W3 Norte and Sul routes, connecting the Asa Norte (TAN) and Asa Sul Terminal (TAS) terminals, and from there to Bras4lia International Airport, completing 22 km of extension.

Importance of the Project for the DF: Provide a new mode of public transport with comfort, regularity and punctuality to users; mitigate negative externalities such as noise and pollutant emissions; promote urban development along the route and modernize the public transport system.

Project: Rotating Parking Lot

Estimated investments: BRL 260,000,000.00

Project contracting method: Concession

Project Description: Implementation, exploration, operation, maintenance and management of a paid rotating parking system for vehicles in public places and areas belonging to the Federal District.

Importance of the Project for the DF: Improvement of urban mobility with increased turnover in the use of parking spaces in public areas; incentive to public transport; regularization of vacancies reserved for the elderly, pregnant women and people with special needs; reduction of traffic congestion and accidents and increase of afforestation

Project: DER Apprehension Yards

Estimated investments: BRL 85,600,000.00

Project contracting method: Concession

Project Description: Removal and custody of vehicles seized by the Department of Highways of the Federal District (DER/DF). Integrated solution for inspection, removal, retention and auction of irregular or overweight vehicles:

- Construction of 2 vehicle seizure yards;
- Automation of inspection of overweight and vehicle registration irregularities;
- Installation of photovoltaic plant;
- Collection, storage and processing of information in real time.

Importance of the Project for the DF: Strengthen the DF mobility system. In addition to the seizure and removal of irregular vehicles from the streets – in operations or abandoned. Scales will also be installed on the busiest highways in the DF.

- Greater control of excess weight on the highways of the DF;
- Reduction in maintenance costs
- Real-time information on traffic conditions on the roads that may be made available to the whole society;
- Support for the planning of DF operations;
- Sustainable energy generation.

Project: Plano Piloto Road Complex

Estimated investments: BRL 156,500,000.00

Method of contracting the project: Concession

Project Description: Concession of management of the **PLANO PILOTO ROAD COMPLEX** in the Federal District and adjacent areas, including its recovery, modernization, operation, maintenance, conservation and exploration.

Importance of the Project for the DF: Improvement of the mobility of passengers and vehicles at the bus station through the adaptation of the terminal to the operational model integrated with the characteristics of universal accessibility, in compliance with the principles, objectives and guidelines of the National Policy on Urban Mobility established by the Federal Law No. 12,587, of January 3, 2012, and the Master Plan for Urban Transport and Mobility of the Federal District - PDTU/DF, established by District Law No. 4,566, of May 4, 2011.

Project : BRT West and South + Asa Sul Terminal

Estimated investments: Under study

Contracting project form: PPP

Project Description: Concession of the South and West BRTs. It consists of the operation and maintenance of the BRT in the DF, in addition to the completion of the southern section. The operator will also have to sign and monitor the vehicles.

Importance of the Project for the DF: Expansion of the road infrastructure and modernization of the operation of the BRT system.

Project: New North Output

Estimated investments: Under study

Project contracting method: PPP

Project Description: Construction of two bridges on Lago Norte. One bridge connecting the club sector to the North Lake and the other connecting the mansion sector to the North Lake. The bridges will be built by the private sector, which, in return, will receive a plot of land near the Digital Tower, in Sobradinho, to build real estate projects. Road length: 14.8 km (4 lanes per direction - 1 bus lane and 3 lanes)

OAE – Special Art Works: L4 and Lago Norte Bridge: 1,200m, Lago Norte Bridge and DF-005: 640m, viaducts at the intersections of L4 Norte, DF-009 (EPPN), DF-005 (EPPR), DF-001 (EPTC), DF-440, BR-030 (Access to Sobradinho) among others.

Importance of the Project for the DF: Improvement of Urban Mobility; New road link between Brasília and the North Axis (as proposed in the PDTU); Development of the Taquari Housing Sector; Mobility option for the Eastern Region (Paranoá and Itapoã); Maintenance of the track and OAE for the concession period.

Project: Via Ponte Paranoá

Estimated investments: BRL 225.000.000,00

Contracting project form: PPP

Project Description: Construction, conservation and maintenance of the entire road infrastructure from the continuation of DF-001 to DF-005, including the Bridge over the Córrego Paranoá.

Importance of the Project for the DF: Improvement of urban mobility with the option of road mobility for the residents of Itapoã and Paranoá to reach the Plano Piloto. Bridge with permission for the passage of trucks with more than 2 axles, currently prohibited at the dam and maintenance of the road and bridge for the period of the concession.

Project: Ponte do Bragueto Gastronomic Center

Estimated investments: Under study

Project contracting form: Under study

Project Description: Smart urbanization project, for the implementation of the Gastronomic and Leisure Complex, at the bottom of Ponte do Bragueto, located in Asa Norte, in Brasília-DF.

Project: State Games and Lotteries in the Scope of the DF

Estimated investments: BRL 721,937,030.71

Project contracting form: Concession

Project Description: Concession of services for the implementation and operation of state lotteries and games, within the scope of the Federal District.

Project: Public Marinas

Estimated investments: Under study

Project contracting form: Under study

Project Description: Implementation, management, operation and maintenance of Public Marinas, as well as their necessary infrastructure, in accordance with the guidelines established in the terms of reference that will be released by SEPE

Project: Prainha do Norte

Estimated investments: Under study

Project contracting form: Under study

Project Description: Project for the revitalization and management of Prainha Norte, located in the mansions sector of Lago Norte, Brasília-DF. The management will be the responsibility of the private sector, which will have to promote conscious use in the place, harmonizing leisure and the preservation of the environment.

Project: Hospital Complex of the Center-South Health Region

Estimated investments: Under study

Project contracting form: Under study

Project Description: Construction, equipping, management and operation of the medical-hospital services of the Hospital Complex of the Center-South Health Region. The unit will be built in Guarú II and will also provide access to services for residents of Park Way, SCIA/Estrutural, SIA, Candangolândia, Núcleo Bandeirante and Riacho Fundo I and II.

Project: DF Logistics Pole

Estimated investments: Under study

Project contracting form: Under study

Project Description: Implementation of the Logistics Pole, located in Recanto das Emas, initially called

Wholesale Pole and was part of the Productive Enterprise Support Program (PRO-DF II). They will be lots intended for predominantly industrial use and wholesale trade.

Project: Diagnostic support network of the Federal District Health Department – SES/DF

Estimated investments: Under study
Project contracting form: Under study
Project Description: Concession of diagnostic support services, such as clinical analysis laboratories and diagnostic imaging procedures.

Project: Laundry service for the Public Health Network of the Federal District

Estimated investments: Under study
Project contracting form: Under study
Project Description: Concession of laundry service, linen and making of layettes for the Public Health Network of the Federal District.

Project: Ceasa

Estimated investments: BRL 214,440,831.78
Contracting project form: PPP
Project description: Implementation of the New Agricultural Products Wholesale Center (Nova CEASA) of a Distribution Market (Mercadão do DF), as well as a survey of possible other stores for the sale of horticultural products in the Federal District, modernization of the current space of CEASA-DF and new business for the company.
Description of the project's importance for the State: Strengthen food and nutritional supply and security in the region and enhance Brasília as a logistics center for horticultural products. In the perspective of modernizing the company's current infrastructure, creating new sales spaces, proposing new business models, technological innovations, environmental sustainability, financial support from CEASA-DF, generating jobs and increasing imports and exports.

Project: Complexo Esportivo e de Lazer do Guar4 - CAVE

Estimated investments: BRL 26,924,499.24
Contracting project form: PPP
Project description: Construction, revitalization, modernization, maintenance and operation of the Complexo Esportivo e de Lazer do Guar4 - Clube Vizinhança, Sports Gymnasium, Est4dio Ant4nio Otoni Filho and adjacent areas, for the implementation of a social and sports club, holding competitions and sporting events, rental and equipment, entertainment, food, commercial stores and advertising.
Description of the project's importance for the State: Providing sport, leisure, social and economic development by providing quality products, services and services to the population.

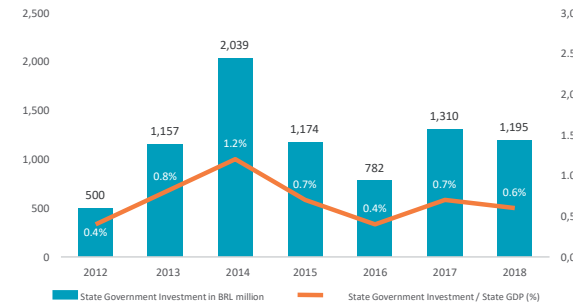
Project: Community Restaurants

Estimated investments: BRL 192,500,000.00
Project contracting method: PPP
Project description: Construction, maintenance and operation of 6 (six) new Community Restaurants, as well as for the revitalization/modernization, maintenance and operation of the 14 (fourteen) existing restaurants, in addition to the provision of meals (breakfast, lunch and dinner).
 Social project, whose main objective is to provide conditions that enable physical, psychological and social well-being, ensuring adequate standards of food for the less favored population. They were distributed in areas of great circulation of people and of easy access.



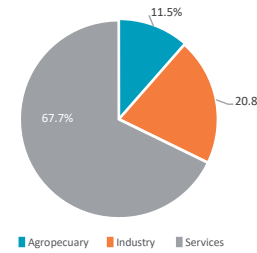
5.2 GOI4S

GDP = BRL 195,682 million (2018 data)
Population = 6,921,161 inhabitants
GDP per capita = BRL 28,273 in 2018



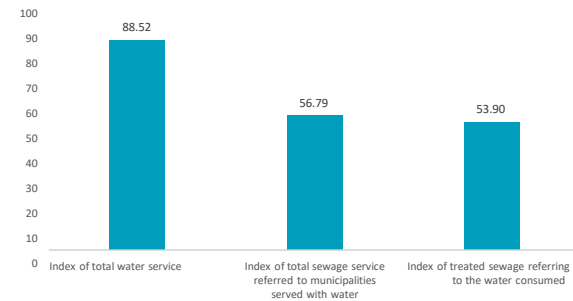
Annual investment and annual investment/GDP Goi4s

Source: Own elaboration based on data from IBGE and the National Treasury



Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data

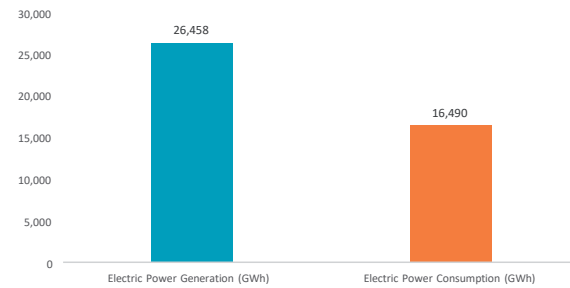


Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development - 2019 data

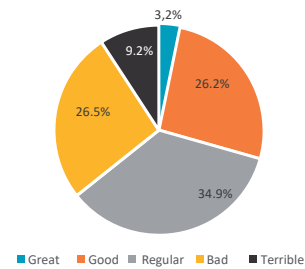
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



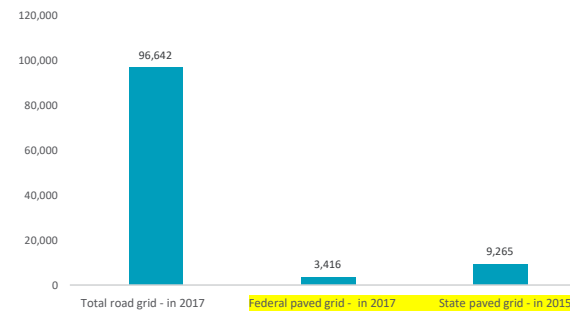
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data



Projects in the state of Goiás

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/Tech nical	Modeling/S tructuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Project: Anápolis Cargo Airport	✓	Actual phase					
Project: Goiás Supply Centers - Ceasa-GO	✓	Actual phase					
Oscar Niemeyer Cultural Center - CCON	✓	Actual phase					
Project: Metrobus Transporte Coletivo S/A	✓	Actual phase					
Solid Waste	✓	Actual phase					
Chemical Industry of the State of Goiás - Iquego	✓	Actual phase					
Altamiro de Moura Pacheco State Park - PEAMP	✓	Actual phase					
Terra Ronca State Park - PETER	✓	Actual phase					
Serra das Caldas Novas State Park - PESCAN	✓	Actual phase					
State Highways of Goiás	✓	Actual phase					

Project: Anápolis Cargo Airport

Estimated investments: Under study

Project contracting form: Under study

Project Description: Concession of Anápolis Cargo Airport for private exploration.

Project: Goiás Supply Centers - Ceasa-GO

Estimated investments: Under study

Project contracting form: Under study

Project Description: Central de Abastecimento de Goiás SA (CEASA-GO) is a mixed capital company, created with the objective of installing, implementing and managing the Supply and Markets Center. Intended to guide and discipline the distribution and placement of horticultural crops and other food products of the horticultural wholesale trade in the State of Goiás. The project consists of granting the use of an area of expansion of CEASA with approximately 434,322.03 m².

Project: Oscar Niemeyer Cultural Center - CCON

Estimated investments: Under study

Project contracting form: Under study

Project Description: The Oscar Niemeyer Cultural Center (CCON) has a total built area of 17,946.86 m² and has 5 large areas, namely: Library Building, Palace of Music, JK Esplanade, Museum of Contemporary Art – MAC and Monument to Human Rights. Project to grant the use of two spaces that are located in the Library building. The first space is two movie theaters located in the basement, with a capacity of 276 seats and an area of 233.45 m². The second space is the restaurant located on the terrace, which has 412.87 m² of closed area and 197.85 m² of open area.

Project: Metrobus Transporte Coletivo S/A

Estimated investments: Under study

Project contracting form: Under study

Project Description: Metrobus Transporte Coletivo S/A (METROBUS), headquartered in Goiânia-GO, is a mixed capital company within the State of Goiás, subject to Federal Laws n° 6.404/76 and n° 13.303/16. Its corporate purpose, as provided for in its Bylaws, is to explore the operation of collective passenger transport services, of urban characteristics, in municipalities, urban agglomerations and metropolitan areas. The project consists of a concession involving the modernization, implementation, operation, maintenance and exploitation of the electric bus fleet of Metrobus Transporte Coletivo S/A, a public company responsible for the operation of the Anhanguera axis in Goiânia and extensions of the Metropolitan Region.

Project: Solid Waste

Estimated investments: Under study

Project contracting form: Under study

Project Description: The project aims to provide a solution for solid waste in the State, such as structuring selective collection concomitantly with regionalized sanitary landfills with associated operation, in order to serve the 246 municipalities of Goiás according to regional blocks in compliance with Law 14,026 of July 15, 2020, New Sanitation Regulatory Framework.

Project: Chemical Industry of the State of Goiás - Iquego

Estimated investments: Under study

Project contracting form: Under study

Project Description: The project consists in the privatization of the Chemical Industry of Goiás. Indústria Química do Estado de Goiás S/A – IQUEGO, official pharmaceutical laboratory of the State of Goiás, constituted in the form of a mixed capital company for the manufacture and sale of chemical-pharmaceutical products, brings in article 3 of State Law No. provision in which 51% of the issued shares are reserved for the State of Goiás, a proportion that will be kept in all capital increases that may occur. It has a total area of 38,750m² and a built area of 13,515m². Its industrial plant is equipped for the production of pharmaceuticals and pharmaceutical and medical equipment.

Project: Altamiro de Moura Pacheco State Park - PEAMP

Estimated investments: Under study

Project contracting form: Concession

Project Description: The Altamiro de Moura Pacheco State Park - PEAMP is located between the municipalities of Goianópolis, Nerópolis and Goiânia. The project consists of granting the use of public assets for the purposes of management and economic exploitation of ecotourism activities and visitation of areas located in the conservation unit.

Project: Terra Ronca State Park - PETER

Estimated investments: Under study

Project contracting form: Concession

Project Description: The Terra Ronca State Park (PETER) has an area of approximately 57,000 hectares. It is considered one of the largest cave complexes in Latin America. The project consists of granting the use of public assets for the purposes of management and economic exploitation of ecotourism activities and visitation of areas located in the conservation unit.

Project: Serra das Caldas Novas State Park - PESCAN

Estimated investments: Under study

Project contracting form: Concession

Project Description: The Serra de Caldas Novas State Park - PESCAN has an area of 12 thousand hectares and is located in the Serra de Caldas, in the municipalities of Caldas Novas and Rio Quente, which houses the largest thermal water complex in the world. According to SEMAD, the Serra de Caldas is one of the most important recharge areas for hydrothermal aquifers in the region of Caldas Novas and Rio Quente. The project consists of granting the use of public assets for the purposes of management and economic exploitation of ecotourism activities and visitation of areas located in the conservation unit.

Project: State Highways of Goiás

Estimated investments: Under study

Project contracting form: Concession

Project Description: The project consists of the concession of 1,152 km of state highways in the State of Goiás. Aiming at improving road infrastructure, through private investments and contributing to the economic and social development of the State. It includes the following sections: GO-010, 85.02 km long; GO-020 with 149.94 km; GO-060 with 312.37 km; GO-070 with 129.63 km; GO-080 with 143.33 km; GO-139 with 147.06 km; and GO-330 with 184.93 km.

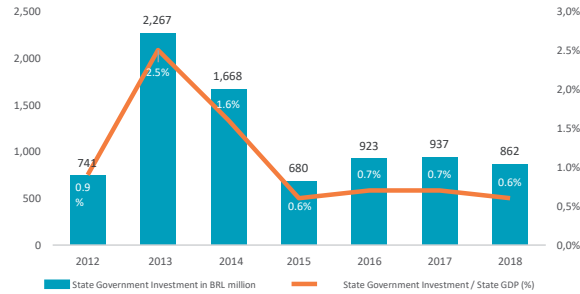
5.3 MATO GROSSO



GDP = BRL 137,443 million (2018 data)
 Population = 3,441,998 inhabitants
 GDP per capita = BRL 39,931 in 2018

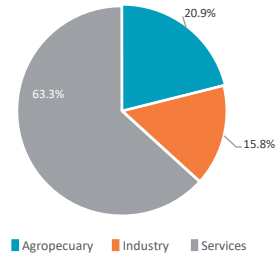
Annual investment and annual investment/GDP Mato Grosso

Source: Own elaboration based on data from IBGE and the National Treasury



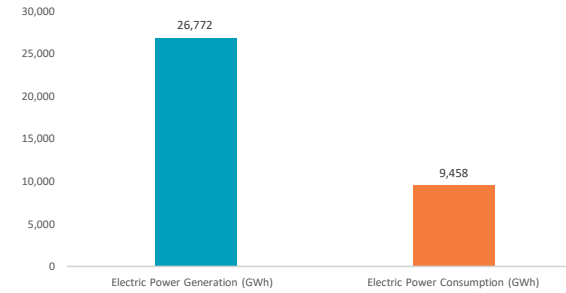
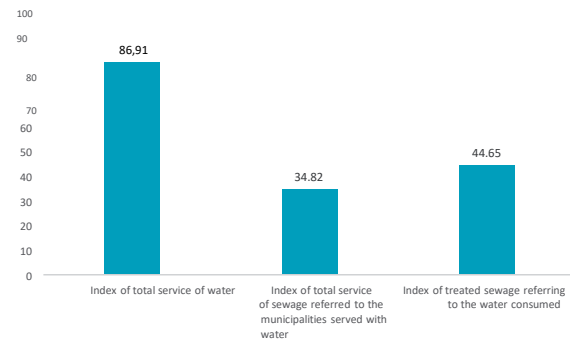
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



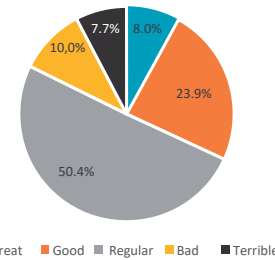
Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on data from the SNIS of the Ministry of Development Regional - 2019 data



Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data

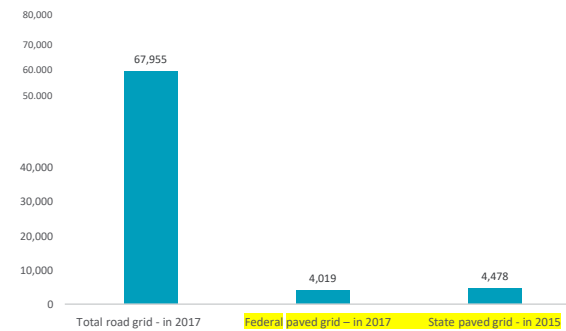


Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019

Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects in the state of Mato Grosso

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. A. Public/ Public	Notice	Bidding	Signature of the Contract
Concession of road section Sinop - Tabaporã	✓	✓	✓	✓	✓	✓	Signed Contract
Concession of the Tangará da Serra road section	✓	✓	✓	✓	✓	✓	Signed Contract
Concession of the Primavera do Leste road section - Paranatinga	✓	✓	✓	✓	✓	✓	Signed Contract
Concession of Cuiabá bus terminal	✓	✓	✓	✓	✓	✓	Signed Contract
Concession of highway section Cuiabá - Rosário Oeste - MT 010/246	✓	Actual phase					
Concession of the Water road section Good - Cocalinho - MT 326/240/100	✓	Actual phase					
Concession of road sections - MT 487/443	✓	Actual phase					
Concession of the Campo Verde road section - Planalto da Serra - MT 244/140/020	✓	Actual phase					
Concession of the road section Nova Marilândia - Barra do Bugres - MT 160/343	✓	Actual phase					
Concession of the Barra do Bugres - Cáceres - MT 343 road section	✓	Actual phase					
Concession of the Santa Rita do Trivelato - Planalto da Serra - MT 140 road section	✓	Actual phase					
Concession of the Planalto da Serra - Canarana - MT 020/326 road section	✓	Actual phase					
Concession of the Alto Araguaia road section - Barra do Graças - MT 100	✓	Actual phase					
Concession of the Alto Araguaia - Cotriguaçu MT 208/160 road section	✓	Actual phase					
Concession Intermunicipal Road Collective Transport System for Passengers in the State of Mato Grosso - STCRIP/MT	✓	✓	✓	✓	✓	Actual phase	
River crossings carried out by ferries	✓	Actual phase					

Source: SINFRA – State Secretariat for Infrastructure and Logistics – Government of Mato Grosso.

Project: Concession of the Sinop - Tabaporã road section

Estimated investments: BRL 268.000.000,00 *

Project contracting form: Joint concession

Project description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the stretches of the MT 220 State Highway in the Tabaporã MT 220 Region: Entr. BR 163 (Sinop) Km 854.8 Rio Teles Pires Bridge to Rio dos Peixe Bridge - Entr. MT 410 (for Tabaporã), totaling 138.40 km.

Description of the project's importance for the State: The road segment that is the object of concession is a road axis of vital importance for the State, connecting the producer hubs towards the main flow corridors in the State.

Auction Result: Winner Via Norte Sul Consortium, composed of the companies Constral Construtora and Centro Vias Construtora, Incorporadora, Participações and Armazenagens Gerais.

Project: Concession of the Tangará da Serra road section

Estimated investments: BRL 816.000.000,00 *

Project contracting form: Joint concession

Project description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of section of state highways in the region of Tangará da Serra. Section: Entr. BR 163/364 - Beginning of Urban Perimeter of Povoado Currupira to North Contour (Entr. MT 358- Entr. MT 480), totaling 233.2 km.

Description of the project's importance for the State: The road section that is the object of concession is a road axis of importance for the State, connecting several municipalities and villages in the region.

Auction Result: Vencedor Consórcio Via Brasil MT, composed of the companies Conasa Infraestrutura, CLD Construtora, Laços Detentores e Eletrônica, Zetta Infraestrutura e Participações, Engemat, FBS Construção Civil, M4 Investimentos and Construtora Ibérica.

Project: Concession of the Primavera do Leste - Paranatinga road section

Estimated investments: BRL 366.000.000,00

Project contracting form: Joint concession

Project Description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the stretch of State Highway MT 130 from Primavera do Leste to Paranatinga. Section: BR 070 (Primavera do Leste) to the Paranatinga MT 020 ring road, totaling 140.6 km.

Description of the project's importance for the State: The road segment that is the object of concession is a road axis of vital importance for the State, connecting the producer hubs towards the main flow corridors in the State. This stretch is connected to the federal highway BR - 070.

Auction Result: Vencedor Consórcio Primavera, comprising the companies Construtora Kamilos, Encalco Construções, Terracom Concessões e Participações, Trail Infraestrutura and Vale do Rio Novo Engenharia e Construções.

Project: Concession of Cuiabá bus terminal

Estimated investments: BRL 19,000,000.00

Project contracting form: Joint concession

Project description: Administration, conservation, maintenance, operation, improvement and renovation works, through the commercial exploitation of the Engenheiro Cássio Veiga de Sá Bus Terminal in Cuiabá/MT.

Description of the project's importance for the State: The bus terminal in Cuiabá is of fundamental importance in connecting people from the municipalities to the capital, with an annual flow of more than one million people.

Auction Result: Sinart – Sociedade Nacional de Apoio Rodoviário e Turístico Ltda.

Project: Concession of highway section Cuiabá - Rosário Oeste - MT 010/246

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the sections of State Highway MT 010 in the Rosário Oeste region. Section Description MT 010: end of the Urban Perimeter Cuiabá (Cuiabá ring road) - Entr. BR 163 (Rosário do Oeste) and MT-246 Entr. MT 010 - Entr. BR 163 (for Raff), totaling 115.8 km.

Description of the project's importance for the State: The Highway Section object of concession is a road axis of vital importance for the State, connecting the Capital with the Federal Highway BR 163.

Project: Concession of the Água Boa - Cocalinho - MT 326/240/100 road section

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the sections of State Highway MT 240 - Rib. lost (div. Água Boa/Nova Nazaré) - Entr. 326 - PU Cocalinho, with a length of 158.01 km.

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as it is a highway that connects the State of Goiás with Mato Grosso, in addition to being a region under development and under study for the arrival of the railroad to the municipality of Água Boa.

Project: Concession of road sections - MT 487/443

Estimated investments: Under study

Method of contracting the project: Social Partnership with Tolloed Maintenance

Project Description: Celebration of the Collaboration Agreement for the provision of public services for conservation, operation and investments in new works through the implementation and management of a toll plaza in the region Gleba Barreiro, State Highways MT 487, Section: Entr. BR 163 - End Paving with a length of 55.00 km.

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, being a section of production flow from the Municipality of Sorriso to the BR-163.

Project: Concession of the road section Campo Verde - Planalto da Serra - MT 244/140/020

Estimated investments: Under study

Project contracting form: Under study

Project Description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of sections of state highways MT 244/140/020 - Entr. BR-251/MT-251 - Entry MT-140

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as it is a structuring highway connecting the State from North to South and interconnecting regions of high grain production.

Project: Concession of the road section Nova Marilândia - Barra do Bugres - MT 160/343

Estimated investments: Under study

Project contracting form: Under study

Project Description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of sections of state highways MT 160/343 - Entr. BR-364 (Parecis) - End PU Pov. Assari.

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as it interconnects the highways already granted in the region to the BR-364.

Project: Concession of the Barra do Bugres - Cáceres - MT 343 road section

Estimated investments: Under study

Project contracting form: Under study

Project description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the section of the MT 343 highway - Entry MT-246 - Entry BR 070

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as it is a structuring road that transports cattle production from the Cáceres Region.

Project: Concession of the Santa Rita do Trivelato - Planalto da Serra - MT 140 road section

Estimated investments: Under study

Project contracting form: Under study

Project description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the section of the MT 140 highway - Entr. MT 235 (PAV Start) - Int. MT-020.

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as it is a structuring highway connecting the State from North to South and interconnecting regions of high grain production.

Project: Concession of the Planalto da Serra - Canarana - MT 020/326 road section

Estimated investments: Under study

Project contracting form: Under study

Project Description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of sections of state highways 020/356 - Entr. MT140 - Entry MT-130 (Paranatinga Ring Road) (B), Inr. BR 364/MT-299 - Entry BR-070 (Pontal do Araguaia)

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as it becomes an alternative to the BR-364, connecting the eastern regions of the State to the capital.

Project: Concession of the Alto Araguaia - Barra do Graças road section - MT 100

Estimated investments: Under study

Project contracting form: Under study

Project description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the section of the MT 100 highway - Entr. BR 364/MT-299 - Entry BR-070 (Pontal do Araguaia).

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as in addition to continuing the section of MT-100 (Div. Mato Grosso do Sul - Alto Araguaia) already granted, the access section to the federal highway BR-158, connecting the State from North to South.

Project: Concession of the Alto Araguaia - Cotriguaçu MT 208/160 road section

Estimated investments: Under study

Project contracting form: Under study

Project description: Concession for the provision of public services for conservation, recovery, maintenance, implementation of improvements and road operation of the section of the MT 208/160 highway - Entr. MT-235 (Alta Floresta) - Japurana, Japurana - Entr. MT-170 (Bridge over the Jurueña River + 60.42 km PAV

Importance of the Project for the State: The road section object of the concession is a road axis of vital importance for the State, as it is an alternative for the flow of production for the exit of the BR-163 towards Mirilituba.

Project: Concession Intermunicipal Road Collective Transport System for Passengers in the State of Mato Grosso - STCRIP/MT

Estimated investments: BRL 237,756,380.00

Project contracting form: Joint concession

Project Description: Hiring of a company, as a concessionaire, for the onerous operation of the main service, part of the Intermunicipal Road Collective Transport System for Passengers of the State of Mato Grosso - STCRIP/MT, in its basic (Lot I) and differentiated categories (Lot II) for the Intermunicipal Transport Markets.

Importance of the Project for the State: Regularization of the delegation of intercity transport services, guaranteeing the provision of adequate service: I - compliance with the conditions of regularity, continuity, punctuality, efficiency, topicality, generality and courtesy in the provision, and affordability of tariffs; II - vehicle safety, comfort and hygiene conditions; III - guarantee of integrity of luggage and parcels; IV - professional qualification of the delegate's staff; V - low accident index in relation to the trips carried out; VI - low index of investigated complaints; VII - respect for the environment; VIII - social responsibility. (art. 4, §1, LC 432/2011)

Project: River crossings carried out by ferries

Estimated investments: Under study

Project contracting form: Under study

Project Description: Granting of authorization for the provision of intercity waterway transport services for passengers, vehicles and cargo in inland navigation of 21 crossings, in the State of Mato Grosso.

Importance of the Project for the State: Regularization of all river crossings carried out by ferries, at the intersections of state highways and rivers in the State of Mato Grosso. In this way, the population will be guaranteed the provision of quality services at fair prices, defined schedules and, above all, operational safety.

5.3.1 Projects of the Municipality of Cuiabá

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
PPP Novo Mercado Municipal	✓	✓	✓	Actual phase			

Source: Cuiabá City Hall.

Project: PPP Novo Mercado Municipal

Estimated investments: Under study

Project contracting method: PPP

Project Description: PPP for urban requalification in the central region of Cuiabá, focusing on improving urban mobility and revitalizing the Municipal Market. The proposal for the Miguel Situl Market, better known as the Municipal Market, is a structure with four floors, with valet parking and a food court.

Importance of the Project for the Municipality: The project of the new Municipal Market of Cuiabá, foresees the reconstruction of the space connected to the concept of city of the future. With the project, the revitalization of the space is expected and the consequent attraction of tourists to the historic center of the city.

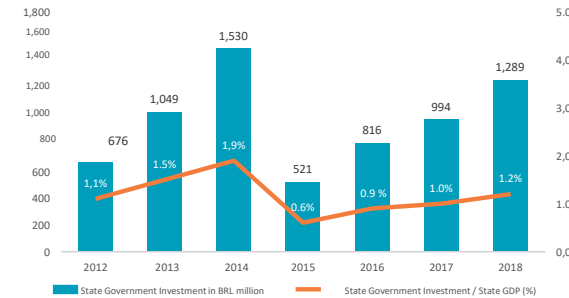


5.4 MATO GROSSO DO SUL

GDP = BRL 106,969 million (2018 data)

Population = 2,748,023 inhabitants

GDP per capita = BRL 38,926 in 2018

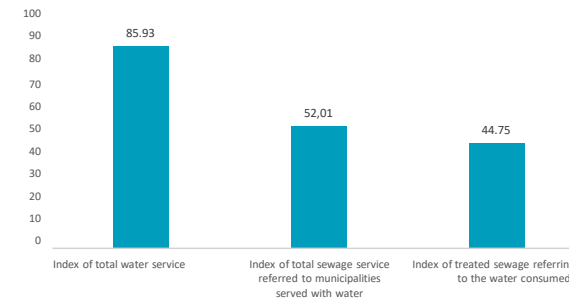
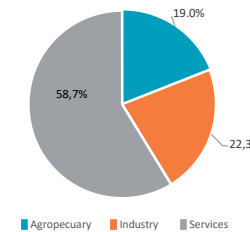


Annual investment and annual investment/GDP Mato Grosso do Sul

Source: Own elaboration based on data from IBGE and the National Treasury

Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data

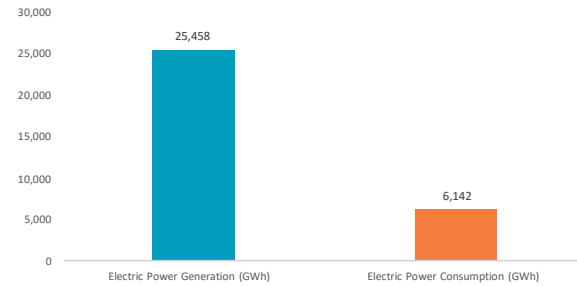


Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development - 2019 data

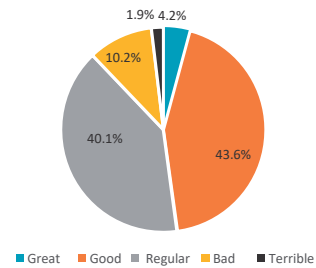
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



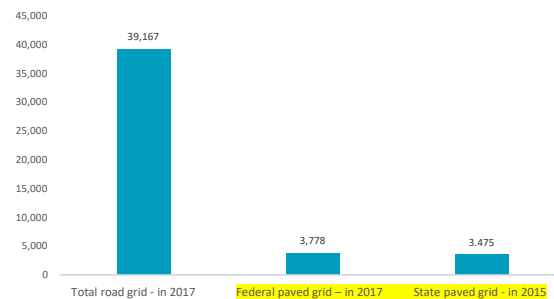
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects in the state of Mato Grosso do Sul

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. A. Public/ Public	Notice	Bidding	Signature of the Contract
Public-Private Partnership for the Sewage of the State of Mato Grosso do Sul	✓	✓	✓	✓	✓	✓	Contractual performance
Highway concession MS-306	✓	✓	✓	✓	✓	✓	Contractual performance
Infovia Digital Public-Private Partnership	✓	✓	✓	Actual phase			
Privatization of MSGÁS - Companhia de Gás do Estado de Mato Grosso do Sul	✓	✓	Actual phase				
Public-Private Partnership of Photovoltaic Power Plants	✓	✓	Actual phase				
MS-112 highway concession and sections of BR-158 and BR-436	✓	✓	Actual phase				
Concession of State Parks of Mato Grosso do Sul	✓	✓	Actual phase				

Source: Office of Strategic Partnerships - EPE/SEGOV- Government of Mato Grosso do Sul.

Project: Public-Private Partnership for the Sewage of the State of Mato Grosso do Sul

Estimated investments: BRL 1,700,000,000,00

Project contracting form: Administrative concession - PPP

Project description: Provision of public sewage services in 68 (sixty-eight) municipalities in the State of Mato Grosso do Sul served by the Sanitation Company of Mato Grosso do Sul S.A – SANESUL.

Importance of the Project for the State: The sanitary sewage PPP will allow the State of Mato Grosso do Sul to achieve, in the next 10 years, the universalization of sewage services with 98% coverage; Modernization of existing sewage systems; Increased levels of environmental sustainability; Attraction of new investments in all regions of the State; Incentive to the elaboration and approval by the municipalities of the Municipal Basic Sanitation Plans; Provision of more efficient sewage services; Greater investment capacity in sanitary sewage and better quality of service; Environmental regularization on a state scale and concentration of regulation of sanitary sewage systems; Reduction in health expenses.

Project: MS-306 highway concession

Estimated investments: BRL 932,000,000,00

Project contracting form: Joint concession

Project Description: Concession of public services for recovery, operation, maintenance, conservation, implementation of improvements and capacity expansion of Highway MS-306, with a length of 219.5 km.

Importance of the Project for the State: Improvement of traffic conditions and guarantee of safety and comfort to users; substantial reduction in the number of accidents; generation of direct and indirect jobs; reduced travel time and vehicle maintenance costs; new business opportunities in the region.

Project: Public-Private Partnership of Digital Infovia

Estimated investments: BRL 300.000.000,00

Project contracting form: Administrative concession - PPP

Project Description: Provision of voice, data and image transport services, through the construction, operation and maintenance of a high-capacity fiber optic network infrastructure, interconnecting all 79 municipalities in the state and all equipment of state public units.

Importance of the Project for the State: Connection, in up to 2 years, of 1,500 administrative units of the State Government in the 79 municipalities; Increase in the capacity and speed of data, voice and image transmission between government units; Provision of better quality public services and greater geographic coverage; Infrastructure flexibility to meet future demand expansions; Improvement of the cost/quality ratio in connectivity and telecommunications services contracted by the State; Availability of free wi-fi in 119 public squares; Possibility of implementing public services with high bandwidth demand (video monitoring, diagnosis of medical images, etc.); New possibilities for economic and technological development for all regions of the State.

Project: Privatization of MSGÁS - Gas Company of the State of Mato Grosso do Sul

Estimated investments: Under study

Project contracting form: Privatization

Project description: Sale of the State's shareholding in the Company (51%).

Increase competition in the natural gas market by generating jobs, income and goods and services; Incentives for establishing and expanding new anchor and thermoelectric customers; Incentive to reduce tariffs for end users; Create good regulatory practices related to the provision of local piped gas services with market liberalization; Increase transparency and efficiency with adequate pricing in the supply of natural gas by user segment.

Project: Public-Private Partnership of Photovoltaic Power Plants

Estimated investments: Under study

Project contracting form: Administrative concession - PPP

Project Description: Implementation, maintenance and operation of photovoltaic electric power plants, with management of credit compensation services to meet the energy demand of the physical structures of the public administration.

Importance of the Project for the State: Meet the current energy demand; Generate financial savings; Stimulate the use of renewable energy sources; Stimulating energy efficiency; Sustainable development; Responsible use of natural resources; Reduction in the use of non-renewable energy in the energy supply of the State Public Administration's building facilities.

Project: MS-112 highway concession and sections of BR-158 and BR-436

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Concession of public services for recovery, operation, maintenance, conservation, implementation of improvements and expansion of the capacity of the MS-112 highway and sections of the BR-158 and BR-436.

Importance of the Project for the State: Serving an important agribusiness region in the State, a hub of commercial and production integration between the States of Mato Grosso do Sul, Mato Grosso, São Paulo, Goiás and Minas Gerais; Improvement of traffic conditions and guarantee of safety and comfort to users; Substantial reduction in the number of accidents; Generation of direct and indirect jobs; Decreased travel time and vehicle maintenance costs; New business opportunities in the region.

Concession of State Parks of Mato Grosso do Sul

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Concession to provide services for the revitalization, modernization, operation and maintenance of Várzeas do Rio Ivinhema state parks (UC's); Springs of the Taquari River; Prose; Indigenous Nations and Gruta do Lago Azul Natural Monument.

Importance of the Project for the State: Making the preservation and conservation of spaces with natural elements more efficient, as well as providing access and use by the population, constituting a new form of leisure, knowledge and preservation of the environment; improvement of park infrastructure; sustainable development for the surrounding communities; leveraging ecotourism; exemption from the State.

5.4.1 Projects of the Municipality of Campo Grande

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Public Lighting Park Management	✓	Actual phase					

Source: Municipal Department of Government and Institutional Relations, City Hall of Campo Grande

Project: Public Lighting Park Management

Estimated investments: BRL 400.000.000,00

Contracting project form: PPP

Project Description: Revitalization, modernization, operation, maintenance and management of the Public Lighting Park in the Municipality of Campo Grande.

Importance of the Project for the Municipality: Public lighting contributes to the quality of life of residents, especially for nighttime leisure activities, commerce, among others. It is also an important component of public safety in urban centers in terms of vehicle and pedestrian traffic and crime prevention. It also contributes to the preservation and enhancement of historic centers and urban heritage. In recent years, technology has made public lighting evolve towards the implementation of LED, a more efficient alternative for the modernization of the park and more effective in saving electricity in lighting equipment in general. Investing in public lighting is investing in safety and quality of life, in addition to representing the search for more efficiency and quality in the provision of public lighting services. It is possible to promote the reduction of consumption and a significant gain for the environment in energy consumption.



REGION
NORTHEAST

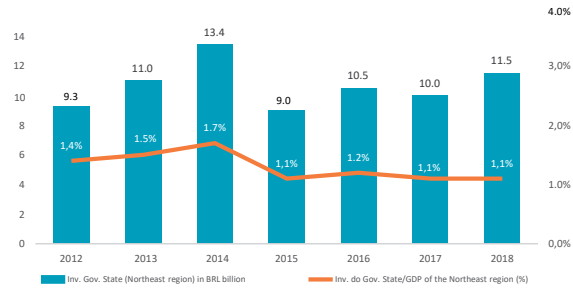
6. NORTHEAST REGION

Northeast Region GDP = BRL 1,004,827 billion (2018 data) (14.3% of Brazilian GDP)
Northeast Region Population = 56,760,780 inhabitants (27.2% of Brazil) (in 2018)
GDP per capita = BRL 17,703 in 2018



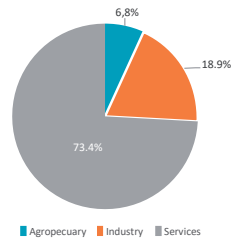
Investments Northeastern and state governments of the Northeast and investments state governments / GDP of the region

Source: Own elaboration based on data from IBGE and the National Treasury



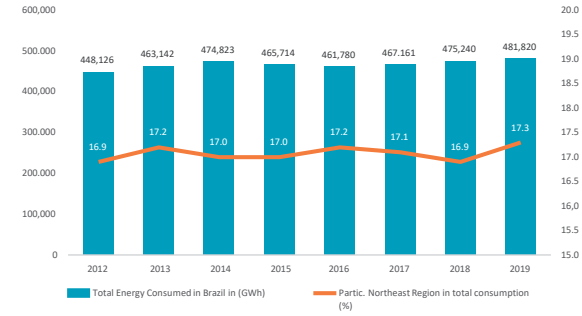
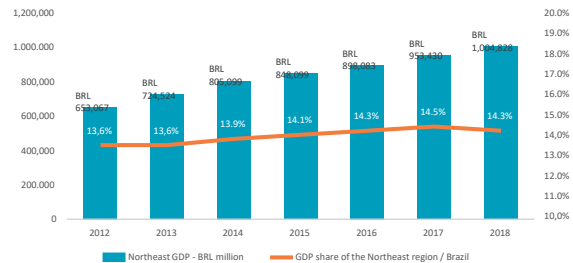
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



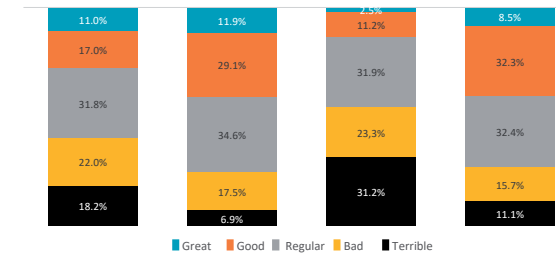
GDP of the Northeast region and % share of the Northeast region GDP in the GDP of Brazil

Source: Own elaboration based on IBGE data



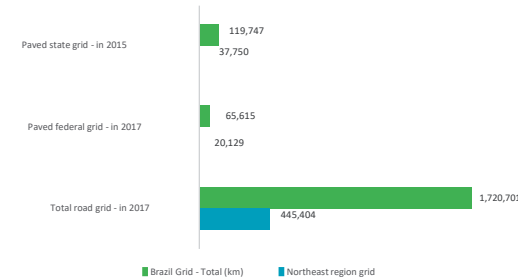
Electric Power - Total energy consumed in Brazil and share of consumption in the Northeast region (GWh)

Source: Own elaboration based on EPE data



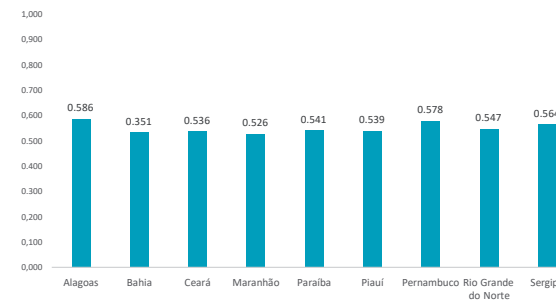
Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - Brazilian and Northeastern Highway Road Network (km)

Source: Own elaboration based on CNT data



Solid Waste - Index of urban cleaning sustainability - ISLU* 2020 - average by State

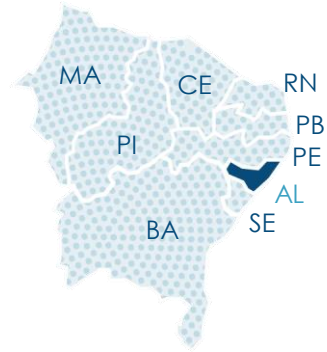
Source: Own elaboration based on data from Selurb and PwC

* See notes

6.1 ALAGOAS

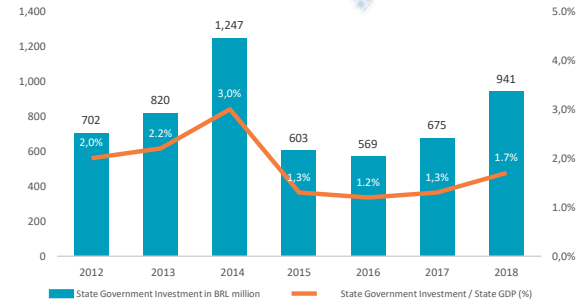


GDP = BRL 54,413 million (2018 data)
 Population = 3,322,820 inhabitants
 GDP per capita = BRL 16,376 in 2018



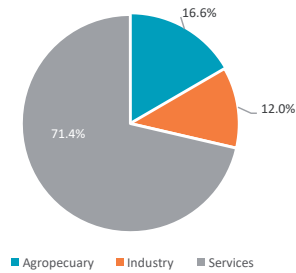
Annual investment and annual investment/GDP - Alagoas

Source: Own elaboration based on data from IBGE and the National Treasury



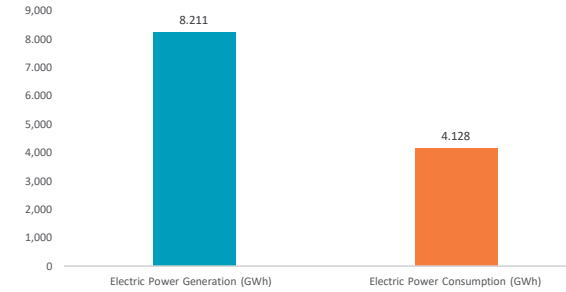
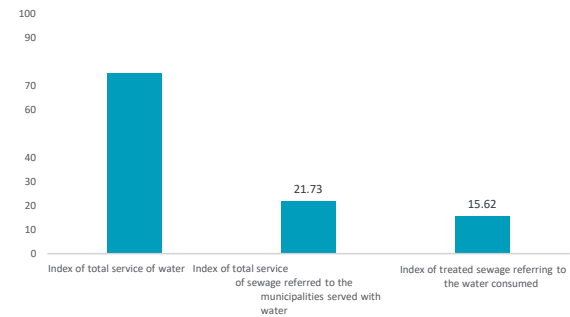
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development - 2019 data

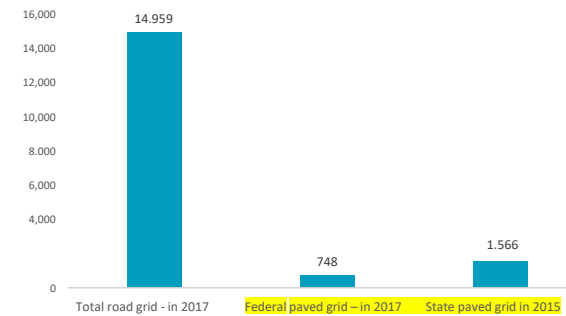
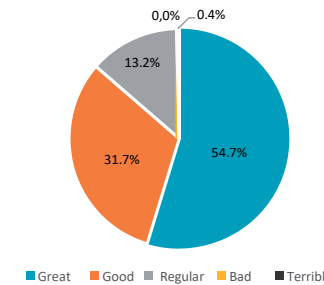


Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data

Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data

Alagoas State Projects

Project	MONITORING OF PROJECTS							Signature of the Contract bid
	Market Prospecting	Feasibility Study/ Technical	Modelling/ Structuring	C. Public/ A. Public	Notice	Bidding		
Basic Sanitation Concession - Block A - Metropolitan Region of Maceió (RMM)	✓	✓	✓	✓	✓	✓		
Basic Sanitation Concession Block B - Agreste do Sertão	✓	✓	✓	✓	✓	Actual phase		
Basic Sanitation Concession - Block C - North Coastline Forest Zone	✓	✓	✓	✓	✓	Actual phase		
Maragogi Airport	✓	Actual phase						
Porto Coruripe	✓	Actual phase						
Photovoltaic Solar Energy Generation for the Alagoas Sanitation Company - CASAL	✓	Actual phase						
Maceió Supply Center - CEASA	✓	Actual phase						
Sertão channel	✓							
Jaraguá Municipal Market	✓	Actual phase						
Early Childhood Education (kindergartens)	✓	Actual phase						

Source: SEINFRA-AL / Alagoas Ativos SA / Partnership Unit.

Project: Basic Sanitation Concession: Block A - Metropolitan Region of Maceió (RMM)

Estimated investments: BRL 2.568.000.000,00

Contracting project form: PPP

Project Description: Implementation, operation and maintenance of a water and sewage distribution system in the State of Alagoas in partnership with the Companhia de Abastecimento de Águas e Saneamento do Estado de Alagoas – CASAL with a view to universalizing these public services in the State.

Auction: Winner: BRK Ambiental Participações.

Forecast of investments in infrastructure in the order of BRL 2.6 billion during the 35-year contract. As a way of accelerating the transformation of the reality of Alagoas, the model developed by BNDES required that, of this total, BRL 2 billion be invested in the first six years of the concession, that is, until 2026.

Importance of the Project for the State: The uncontrolled release of raw sewage represents today one of the main causes of water pollution in Brazil and in the world, constituting sources of environmental degradation and the proliferation of diseases. In order to face the complexity of the issue of basic sanitation care in Brazil and in Alagoas, it is urgent to work for a new perspective in dealing with the issue of sewage care. Changing this perspective implies considering sanitation as an area of action for the State that does demand investments in infrastructure, but rather formulation, evaluation, institutional organization and participation of the population as citizens and users. The programs of the sanitary sewage sector are presented below:

1. Program for Implementation, Expansion, Maintenance and Modernization of the Sanitary Sewage System (SES);
2. Monitoring and Control Program for the Release of Effluents from the Public Sewage Treatment System.

Project: Basic Sanitation Concession: Block B – Agreste do Sertão

Estimated investments: BRL 1.897.000.000,00

Contracting project form: PPP

Project Description: Implementation, operation and maintenance of a water and sewage distribution system in the State of Alagoas in partnership with the Companhia de Abastecimento de Águas e Saneamento do Estado de Alagoas – CASAL with a view to universalizing these public services in the State.

The bidding will be judged by the highest bid criterion, pursuant to article 15, inc. II, of Federal Law No. 8,987, of February 13, 1995, based on the value of the grant offered by the bidder for the concession. The minimum grant amount to be offered will be BRL 3.2 million (three million, two hundred thousand reais). The grant must be paid by the winning bidder in the proportion of 50% as a condition of signing the contract and 50% immediately after the issuance of the system transfer term.

It includes 34 Municipalities: Água Branca; Belo Monte; Cacimbinhas; Carneiros; Delmiro Gouveia; Dois Riachos; Feira Grande; Igaci; Igreja Nova; Inhapi; Jaramataia; Junqueiro; Maravilha; Mata Grande; Monteirópolis; Olho D'Água do Casado; Olivença; Ouro Branco; Palestina; Palmeira dos Índios; Pão de Açúcar; Pariconha; Penedo; Piaçabuçu; Piranhas; Poço das Trincheiras; Porto Real do Colégio; Quebrangulo; Santana do Ipanema; Santana do Ipanema; São Brás; São José da Tapera; São Miguel dos Campos; Senator Rui Palmeira and Traipu.

The Government of the State of Alagoas hired BNDES to structure projects that included private participation, together with CASAL, aiming at the universalization of water supply and sewage services in the State of Alagoas.

Importance of the Project for the State: The uncontrolled release of raw sewage represents today one of the main causes of water pollution in Brazil and in the world, constituting sources of environmental degradation and the proliferation of diseases. In order to face the complexity of the issue of basic sanitation care in Brazil and in Alagoas, it is urgent to work for a new perspective in dealing with the issue of sewage care. Changing this perspective implies considering sanitation as an area of action for the State that does require investments in infrastructure, but rather formulation, evaluation, institutional organization and participation of the population as citizens and users. The programs of the sanitary sewage sector are presented below:

1. Program for Implementation, Expansion, Maintenance and Modernization of the Sanitary Sewage System (SES);
2. Monitoring and Control Program for the Release of Effluents from the Public Sewage Treatment System.

Project: Basic Sanitation Concession: Block C – North Coastline Forest Zone

Estimated investments: BRL 400.000.000,00

Contracting project form: PPP

Project Description: Implementation, operation and maintenance of a water and sewage distribution system in the State of Alagoas in partnership with the Companhia de Abastecimento de Águas e Saneamento do Estado de Alagoas – CASAL with a view to universalizing these public services in the State.

The bidding will be judged by the highest bid criterion, pursuant to article 15, inc. II, of Federal Law No. 8,987, of February 13, 1995, based on the value of the grant offered by the bidder for the concession. The minimum grant amount to be offered will be BRL 32.4 (thirty-two million, four hundred thousand reais). The grant must be paid by the winning bidder in the proportion of 50% as a condition of signing the contract and 50% immediately after the issuance of the system transfer term.

Includes: 27 Municipalities: Anadia; Branquinha; Campestre; Capela; Chá Preta; Colônia Leopoldina; Feliz Deserto; Ibateguara; Jacuípe; Japaratinga; Joaquim Gomes; Jundiá; Maragogi; Mar Vermelho; Maribondo; Matriz de Camaragibe; Novo Lino; Passo de Camaragibe; Paulo Jacinto; Pindoba; Porto Calvo; Porto de Pedras; São Luis do Quintude; São Miguel dos Milagres; Tanque D'Arca; Taquarana; União dos Palmares.

The Government of the State of Alagoas hired BNDES to structure projects that included private participation, together with CASAL, aiming at the universalization of water supply and sewage services in the State of Alagoas.

Importance of the Project for the State: The uncontrolled release of raw sewage represents today one of the main causes of water pollution in Brazil and in the world, constituting sources of environmental degradation and the proliferation of diseases. In order to face the complexity of the issue of basic sanitation care in Brazil and in Alagoas, it is urgent to work for a new perspective in dealing with the issue of sewage care. Changing this perspective implies considering sanitation as an area of action for the State that does require investments in infrastructure, but rather formulation, evaluation, institutional organization and participation of the population as citizens and users. The programs of the sanitary sewage sector are presented below:

1. Program for Implementation, Expansion, Maintenance and Modernization of the Sanitary Sewage System (SES);
2. Monitoring and Control Program for the Release of Effluents from the Public Sewage Treatment System.

Project: Maragogi Airport

Estimated investments: Under study

Project contracting form: Under study

Project Description: Operation and maintenance of a future airport located in the municipality of Maragogi.

Importance of the Project for the State: Maragogi is the second most sought after tourist destination in Alagoas and one of the most sought after in the Northeast. It is part of the region known as Costa dos Corais, which includes, in addition to Maragogi, the municipalities of Barra de Santo Antônio, Japaratinga, Paripueira, Passo de Camaragibe, Porto de Pedras and São Miguel dos Milagres. It is strategically located between two other popular tourist destinations: Recife and Maceió. In addition, it is located less than 100 km away from the Port of Suape, in Pernambuco. The project is justified by the improvement of logistics in the region, promoting tourism and local economic development.

Project: Porto Coruripe

Estimated investments: Under study

Project contracting form: Under study

Project Description: Implementation, operation and maintenance of a Port Complex in the municipality of Coruripe, with the possible deactivation of the current operations of the Maceió Port Complex.

Importance of the Project for the State: The current port, located in Maceió, no longer supports the volume of import and export activities in Alagoas. In addition, the Port of Coruripe will meet the future demand arising from the exploration of the existing oil basin in the region. The project is justified by the need to improve the productive logistics of the State, promoting economic development. Finally, the eventual deactivation of the Port of Maceió will enable the urban requalification of the current port location.

Project: Photovoltaic Solar Energy Generation for the Alagoas Sanitation Company - CASAL

Estimated investments: BRL 60.000.000,00

Contracting project form: PPP

Project Description: The current project proposes the expansion of the benefits already agreed, through the implantation of a photovoltaic park to supply about 18% of the electrical demand of medium and high voltage of CASAL, focused on its structure of capture, treatment and distribution of water, to adapt to current safety standards and qualifications so that they can be part of the free electric energy contracting environment (ACL). To this end, the following will be provided: (i) Implementation of a new Power Plant, represented by a 15 MWh Photovoltaic Park | 32,000 MWh/year for electricity generation, located in the municipality of Penedo/AL; and (ii) Refurbish or build approximately 36 electricity substations belonging to CASAL, to adapt to current safety standards and qualifications so that they can be part of the free electricity contracting environment (ACL).

Importance of the Project for the State: The proposed project has significant relevance for public management in the State of Alagoas. First, by improving the state-owned company's financial health, followed by the modernization of contracts, the relationship with suppliers and the feasibility of investments. Added to these efficiency gains, the State of Alagoas will become part of the institutions committed to sustainability, by opting for clean energy and with very low implementation impact. Thus, it contributes to the deceleration of climate change and associates development and environmental protection.

Project: Maceió Supply Center - CEASA

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Requalification, operation and maintenance of CEASA in Maceió.

Importance of the Project for the State: Intended for the marketing and distribution of horticultural products, the supply centers are the main supply channel for local retailers, such as markets, hotels, restaurants and fairgrounds. In this context, it is justified by its role in promoting better service for horticultural producers and their customers, improving the food supply system in the State.

Project: Canal do Sertão

Estimated investments: Under study

Project contracting form: Under study

Project Description: Celebration of a partnership for the operation, conservation and maintenance of the Sertão Alagoano Channel, as well as for the exploration of its uses.

Importance of the Project for the State: Canal do Sertão is the largest and most modern water infrastructure project in the State, which aims to serve the population that most suffers from the phenomenon of drought in the semi-arid region of Alagoas, as well as to promote improvements in agricultural productivity. region through irrigation. According to the Northeast Development Superintendence (SUDENE), the Canal do Sertão project has a direct influence on 42 municipalities, subdivided into two geographic regions: Sertão Mesoregion and Agreste Mesoregion.

Project: Jaraguá Municipal Market

Estimated investments: Under study

Project contracting form: Under study

Project Description: Requalification, operation and maintenance of the Municipal Market of Jaraguá.

Importance of the Project for the State: The project to requalify the Jaraguá Market intends to transform it into a gastronomic and cultural center, offering handicrafts and gastronomic products "genuinely" from Alagoas. Specifically, it provides a cultural market with shops to sell handicrafts, spaces for restaurants, space for tourist information, a stage for cultural presentations and spaces for the exhibition of arts and cooking workshops.

Project: Infantile Education (kindergartens)

Estimated investments: Under study

Project contracting method: PPP

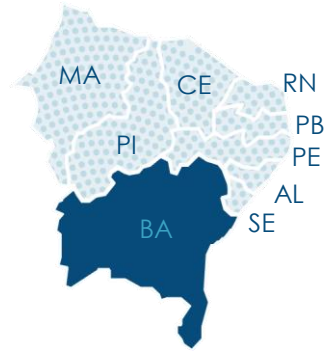
Project Description: Construction, operation and maintenance of kindergarten day care centers in the State of Alagoas, for children between 0 and 5 years of age.

Importance of the Project for the State: The National Education Plan establishes as one of its goals for early childhood education the fulfillment of 50% of the demand for kindergartens by 2024. The project's objective is for the State to act together with the municipalities to expand access to public kindergartens services, also contributing to the economic development of the State, by enabling the expansion of access to the job market by the beneficiary families.

6.2 BAHIA

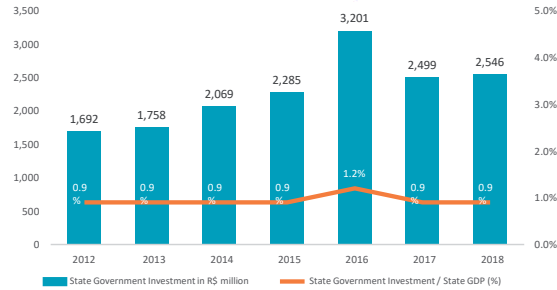


GDP = BRL 286,240 million (2018 data)
 Population = 14,812,617 inhabitants
 GDP per capita = BRL 19,324 in 2018



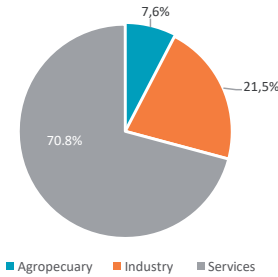
Annual Investment and Annual Investment/GDP - Bahia

Source: Own elaboration based on data from IBGE and the National Treasury



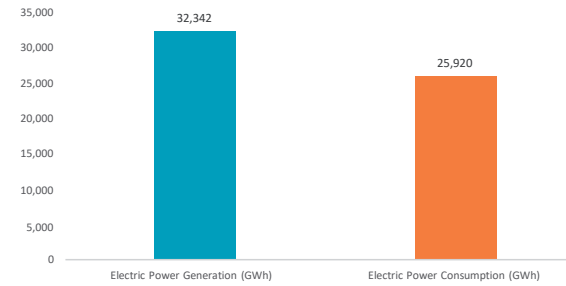
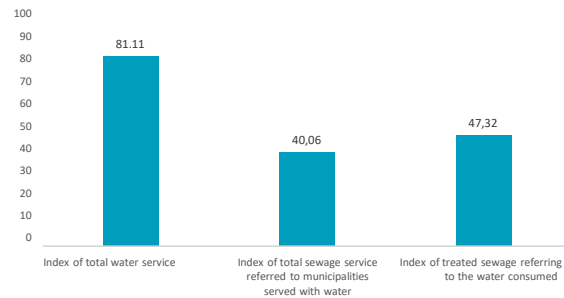
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



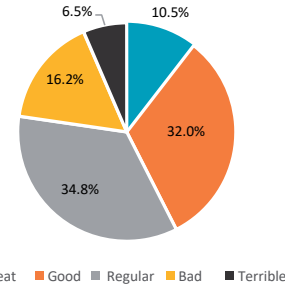
Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data



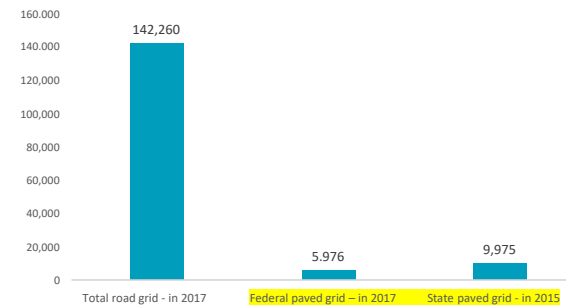
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport Highways - road grid in the State (km)

Source: Own elaboration based on CNT data

Project of Bahia State

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Metropolitan Hospital	✓	✓	✓	✓	✓	Actual phase	
Salvador Supply Center – CEASA	✓	✓	✓	Actual phase			
Sewage in the metropolitan region of Feira de Santana	✓	✓	Actual phase				
Pelourinho Housing Project	✓	✓	Actual phase				
Porto Seguro Airport	✓	✓	Actual phase				
Server Hospital / PLANSERV							
Concession of Parques Estaduais (State Parks)	✓	✓	Actual phase				
Rio Vermelho Market – “CEASINH A”	✓	✓	Actual phase				

Source: Secretary of Finance of the State of Bahia

Project: Hospital Metropolitano

Estimated investments: R\$ 90,112,888.00

Project contracting method: PPP

Project Description: State reference hospital, specialized in urgent and emergency care and in highly complex areas of neurology/neurosurgery, trauma-orthopedics, treatment of morbid obesity and cardiovascular surgery, including high-tech equipment for performing cardiac procedures and endoscopes and a treatment center for gastrointestinal bleeding.

Importance of the Project for the State: Patient-centered care, clinic management, quality management and patient safety policy and user satisfaction should characterize the hospital's care model. The high technology involved demands management strategies that guarantee cost control, efficient service provision and transparency in the use of resources.

Project: Salvador Supply Center – CEASA

Estimated investments: BRL 177,301,834.00

Project contracting form: Concession

Project Description: Exploration of operation and maintenance, preceded by renovation, expansion, renovation and adaptation of CEASA.

Importance of the Project for the State: The project aims to modernize the CEASA-BA warehouse, improving the conditions of functionality, logistics, efficiency, rationality, yield and production. It is important, among other factors, because it makes it possible to reduce the rates of loss and waste of products, the concentration of waste, in addition to ensuring greater safety for public property, workers, customers and the general public. The planned reform will expand the concentration and flow of supply, distribution and commercialization of products. It will also allow the improvement of internal mobility: trafficability, parking, daily flow, loading and unloading operations.

Project: Sewage in the metropolitan region of Feira de Santana

Estimated investment: BRL 1,184,256,000.00

Contracting project form: PPP

Project Description: Sewage and commercial management for 19 municipalities in the region of Feira de Santana

Importance of the Project for the State: The project aims to universalize the service throughout the metropolitan region of Feira de Santana and its surroundings, providing access to sanitary sewage for more than 900 thousand people. The project is necessary due to the current lack of sanitary sewage coverage in the urban area of the Feira de Santana Metropolitan Region, which has a service rate of only 48% of the properties.

Project: Pelourinho Housing Project

Estimated investments: BRL 54,639,000.00

Project contract method: PPP

Project Description: Implementation and development of a housing project, including parking, with operational, real estate and condominium management in the Pelourinho neighborhood, Historic Center of the city of Salvador

Importance of the Project for the State: The project's challenge is to provide Pelourinho with greater social development, economic and tourism, by encouraging the settlement of residents in the region with the creation of housing units via a long-term public-private partnership. The context of the proposal is the need for a sustainable policy of restructuring and maintenance of the mansions in the neighborhood of the Historic Center of Salvador, which is recognized by Unesco as a World Heritage Site.

A GENTE VAI GERANDO EMPREGO E RENDA.

E VC, COMO VC VAI?

Já são 17.000 colaboradores diretos e 30.000 indiretos e terceirizados. O suficiente para encher 650 ônibus.

CCR \ VIVA SEU CAMINHO.

Project: Porto Seguro Airport

Estimated investments: R\$ 2,980,000,000.00

Project contracting method: PPP

Project Description: Concession for the construction, operation, maintenance, administration and commercial exploitation of the Costa do Descobrimento International Airport in Porto Seguro/BA.

Importance of the Project for the State: Strategic project to support the increasing attractiveness of the tourist area of the Discovery Coast, given the limitations of the current airport. The new airport in the region will have greater operating capacity, a structure for larger aircraft, space for expansions and a more modern design, in line with the profile of international tourist flow that characterizes the region today.

Project: Server Hospital/PLANSERV

Estimated investments: Under study

Project contracting form: Under study

Project Description: Implementation of the hospital for the health care system for state public servants

Importance of the Project for the State: The project is located in a strategic context of public policies aimed at hospital health services, in line with the guidelines of constant improvement and improvement in the provision of a health care service for state public servants, their dependents and aggregates qualified as beneficiaries of the health care system for state public servants (Planserv).

Project: Concession of Parques Estaduais (State Parks)

Estimated investments: R\$ 168,022,721.00

Method of contracting the project: Concession

Project Description: Concession of the following assets: Sete Passages State Park, Serra do Conduru State Park, Pituvaçu Metropolitan Park, Getúlio Vargas Zoo and Botanical Park and São Bartolomeu CONDER Park. The contracts will provide for improvements, from basic investments in infrastructure, such as restrooms, signage along the trails and equipping of visitor centers, to the development of new attractions and recreation equipment according to the vocation of each park and with a focus on ecotourism and environmental conservation

Importance of the Project for the State: In addition to the preservation of the units, the envisaged partnerships will attract investments by the private operator that will relieve public coffers, in addition to stimulating sustainable tourism and developing local economies in the areas of influence of each park. The initiative reflects the assumptions of the ESG (Environmental, Social and Governance) agenda.

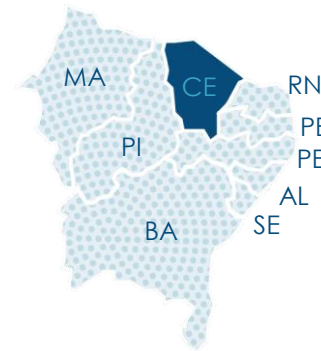
Project: Rio Vermelho Market – “CEASINHA”

Estimated investments: BRL 50,320,000.00

Form of contracting the project: Concession of real right of use

Project Description: Requalification, operation, maintenance, administration and commercial exploitation of the Rio Vermelho Market – Ceasinha.

Importance of the Project for the State: The change of management to a full administration of the private sector, market, attracting business and reducing State costs. The challenges include keeping the equipment attractive to meet an increasingly demanding consumer public and facing the growth in the quality and quantity of the competing offer, producing sustainable growth for the market.

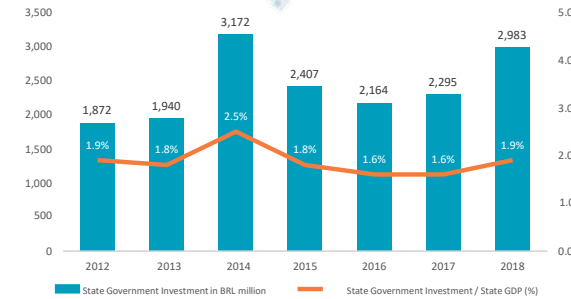


6.3 CEARÁ

GDP = BRL 155,904 million (2018 data)

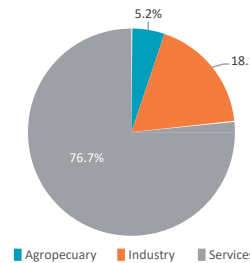
Population = 9,075,649 inhabitants

GDP per capita = BRL 17,178 in 2018



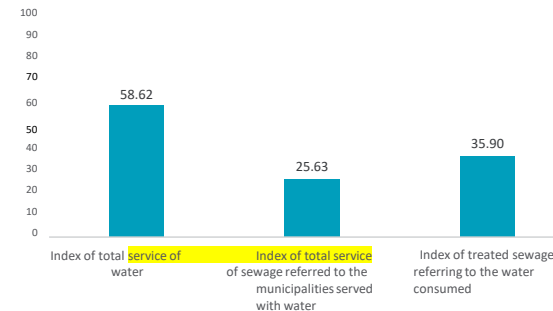
Annual investment and annual investment/GDP - Ceará

Source: Own preparation based on data from IBGE and the National Treasury



Sector participation in GDP in 2018

Source: Own elaboration based on the IBGE data

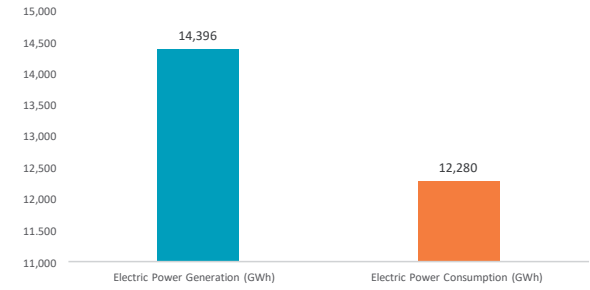


Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data

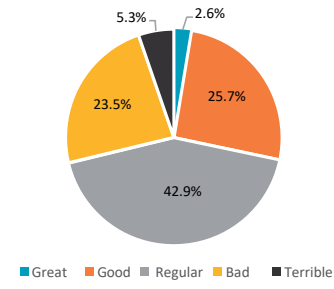
**Electric Power
Generation and consumption -
(GWh) in 2019**

Source: Own elaboration based on EPE data



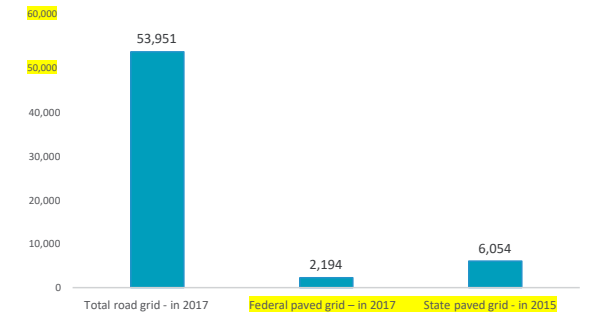
**Transport Highways - general
state of the highway**

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



**Transportation
Highways - grid
Bus station in the State (km)**

Source: Own elaboration based on CNT data



Ceará State Projects

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
PPP sanitary sewage in Ceará	✓	Actual phase					
Metropolitan Arch of Fortaleza	✓	✓	✓	✓	Actual phase		
Metrofor (Fortaleza Metro)	Actual phase						
Concession for Jericoacoara Airport and Canoa Quebrada	Actual phase						
Sea water desalination plant	Actual phase						
Implementation of solar panels in the free areas of Eixão das Águas	Actual phase						
Cariri solid waste management	✓	Actual phase					
Castelão Multipurpose Arena	Actual phase						
Modernization of the supply Central of Ceará (Ceasa - CE)	Actual phase						
Events center of Ceará	Actual phase						
Olympic training center (CFO)	Actual phase						

Source: Planning and Budget Secretariat – Government of Ceará.

Project: PPP sanitary sewage in Ceará

Estimated investments: R\$ 4,990,000,000.00

Project contracting method: PPP

Project Description: PPP of the sanitary sewage service in the Metropolitan Region of Fortaleza and in the Metropolitan Region of Cariri.

Importance of the Project for the State: Universalization of the sanitary sewage service in the Metropolitan Region of Fortaleza and Cariri adhering to the new legal framework for the sector.

Project: Metropolitan Arch of Fortaleza

Estimated investments: BRL 760,811,838.00

Project contracting form: Joint concession

Project Description: Concession for the implementation, operation and maintenance of the Metropolitan Highway Arch of Fortaleza, formed an arch between the junctions of BR-116 (Chorozinho) and BR-222, also adding the stretch of BR-222 until the entrance to the Port of Pecém. The project is under review of the draft contract and public notice.

Importance of the Project for the State: The Metropolitan Highway Arch of Fortaleza will serve as a quick connection path between the main road axes that cross the State of Ceará towards the North and the Industrial Complex and Pecém Port (CIPP). In this way, the Metropolitan Arch will enable greater efficiency in connection between important production centers to the Metropolitan Region of Fortaleza.

Project: Metrofor (Metrô de Fortaleza)

Estimated investments: Under study

Project contracting method: PPP

Project Description: Concession of operation and maintenance of public passenger transport systems composed by the South Lines and VLT Parangaba-Mucuripe in Fortaleza, VLT Cariri Line and VLT Sobral Line.

Importance of the project for the State: The lines that make up the passenger transport system on the tracks of Fortaleza, Sobral and Cariri, have been consolidated as an important axis that interconnects several populous neighborhoods in these cities and contributing to a less troubled traffic and a quality shift for users.

Project: Concession for Jericoacoara Airport and Canoa Quebrada

Estimated investments: Under study

Form of contracting the project: Concession of use

Project Description: Implementation of the concession for the operation, management and maintenance of Jericoacoara and Canoa Quebrada Airports, combined with the realization of evolutionary improvements in infrastructure.

Importance of the Project for the State: Considering the tourist potential of the State, in which more than 2 million tourists circulate on the beaches of the West and East Coastal Poles of Ceará and that this demand reaches their destinations through the Fortaleza Airport, which is located there are more than 5 hours from Jericoacoara and 2 hours from Canoa Quebrada, making it difficult for tourists to arrive.

It is expected that the concession can provide infrastructure, services and facilities that meet the tourist and economic needs to absorb this demand and the repressed demand due to the ease of access, ensuring future growth in the use of both airports.

Project: Seawater desalination plant

Estimated investments: R\$ 526,268,078.05

Project contracting method: PPP

Project Description: Implementation, operation and maintenance of a seawater desalination plant with a minimum flow of 1 m³/s), with the possibility of future expansion, which provides water for human consumption to be made available in the existing hydraulic structures of the Metropolitan Region of Strength.

Importance of the Project for the State: The implementation of a desalination plant in the Metropolitan Region of Fortaleza is part of the State of Ceará's strategy to diversify the water source to minimize the risks of shortages of drinking water for the population in periods of severe drought.

Project: Implementation of solar panels in the free areas of Eixão das Águas

Estimated investments: Under study

Form of contracting the project: Concession of use

Project Description: Concession of domain areas of Eixão das Águas to carry out economic exploitation through the installation and operation of a photovoltaic electric energy generation system, with up to 45MW peak power for consumer units of Cagece and Cogeh. Project under analysis by Cogeh and Cagece.

Importance of the Project for the State: With the project, the State of Ceará intends to leverage the renewable energy sector in the state, in addition to enabling economy in the consumption of energy by public companies, through renewable energy.

Project: Cariri solid waste management

Estimated investments: BRL 151,830,283.82

Project contracting form: Joint concession

Project Description: Implementation of the Urban Solid Waste Management System, considering the final destination, selective collection, reverse logistics and possible ancillary revenues, as well as other guidelines established by the State Government of Ceará in the Solid Waste Policy. Under review of the studies by the structurer.

Importance of the Project for the State: The proper management of solid waste in the Cariri region is urgent, as the environmental damage caused by the dumps is serious and old. Proper disposal of solid waste from the Cariri region would benefit not only the local urban population, but mainly the environment.

Project: Arena Multiuso Castelão

Estimated investments: Under study

Project contracting method: PPP

Project Description: Management, operation, maintenance of covered parking, outdoor patio and stadium.

Project with study awaiting approval from CGPPP.

Importance of the project for the State: The Estádio Castelão is the largest and most important stadium in Ceará. It was originally built in 1973 and renovated in 2011 to host the 2014 FIFA Cup in Brazil, it hosts the main games of the biggest teams in the state, Ceará and Fortaleza, as well as being the stage for large international and national events, moving the sports chain and city's culture.

Project: Modernization of supply centers in Ceará (Ceasa - CE)

Estimated investments: Under study

Project contracting form: Under study

Project description: Concession for the management, operation, maintenance and exploration of areas of the headquarters of the Ceasas in Maracanaú, Barbalha and Tianguá.

Importance of the Project for the State: Wholesalers represent an important link between production and small and medium-scale retail and a significant portion of commercialization is carried out by Ceasas licensees, who are the main market reference in terms of wholesale prices, having great representation in the fruit and vegetable sector.

Project: Ceará Events Center

Estimated investments: Under study

Form of contracting the project: Concession of use

Project Description: Management, operation, maintenance and exploration of the Events Center and its parking. Project with study awaiting approval from CGPPP.

Importance of the project for the State: The Ceará Events Center (CEC) is the second largest equipment for fairs and events in Brazil in a useful area, with 76 thousand m². It is a multipurpose equipment capable of hosting fairs, exhibitions and other types of events as it can be divided into up to 44 different spaces and parking for 5,000 vehicles. The center was designed to leverage the fair sector in the State and in the Northeast Region, impacting the entire production chain.

Project: Olympic Training Center (CFO)

Estimated investments: Under study

Contracting project form: PPP

Project Description: Implementation of the concession for the maintenance management and commercial operation of the Olympic Training Center – CFO, in conjunction with the development of sport in the State.

Importance of the Project for the State: The activities developed at the CFO should integrate the three pillars of sport: high performance, educational sport and leisure. The planned strategies should maximize the use of one of the largest training centers in Brazil, in order to serve the largest number of people with quality and excellence.

6.3.1 Projects of the Municipality of Fortaleza

MONITORING OF PROJECTS							
Project	Market Prospect	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
PPP Energy Education	✓	✓	Actual phase				
Free Internet Access Program	✓	Actual phase					
Concession of Spikes	✓	✓	Actual phase				
Liberty Park/Children's City	✓	Actual phase					

Source: SDE – Secretariat of Economic Development – Fortaleza City Hall

Project: PPP Energia Educação

Estimated investments: R\$ 182,480,000.00

Project contracting method: Concession

Project Description: Concession for the implantation, management, operation and maintenance of a distributed energy generation system to make the energy demand of public school buildings and administrative units of the State Department of Education more efficient.

Importance of the Project for the Municipality: To provide economy, efficiency and reduction of CO² emissions.

Project: Free Internet Access Program

Estimated investments: Under study

Project contracting form: Concession

Project Description: Implementation, operation and maintenance of free internet access points, through Wi-Fi signal, in public places in the Municipality.

Importance of the Project for the Municipality: Democratization of free and quality internet access.

Project: Concession of Spikes

Estimated investments: BRL 20,220,000.00

Project contracting form: Concession

Project Description: Concession of use for the installation, management, operation and maintenance of entertainment projects in the spurs of Avenida Rui Barbosa and Avenida Desembargador Moreira, as well as the exploration of inherent, accessory or complementary activities, through delegation to the private sector.

Importance of the Project for the Municipality: Enhance the occupation of public spaces, promoting the sustainable development of economic activity in the region, generating new business and employment opportunities.

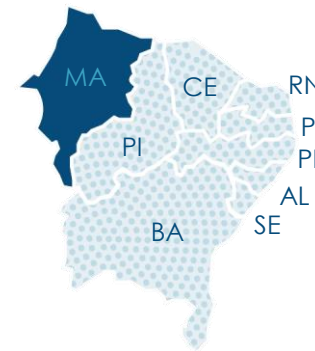
Project: Parque da Liberdade (Liberty Park)/Cidade da Criança (Children's City)

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession and permission of public spaces for economic exploitation.

Importance of the Project for the Municipality: Provide the occupation of a public area, recently requilified, generating new businesses and jobs.

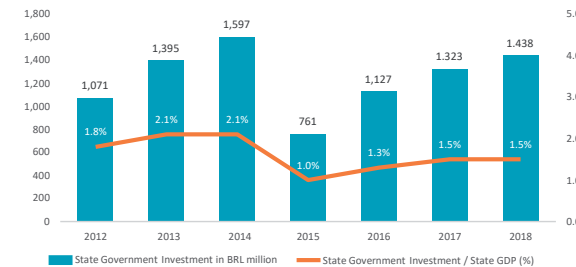


6.4 MARANHÃO

GDP = BRL 98,179 million (2018 data)

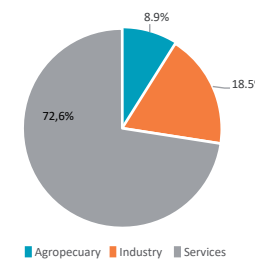
Population = 7,035,055 inhabitants

GDP per capita = BRL 13,956 in 2018



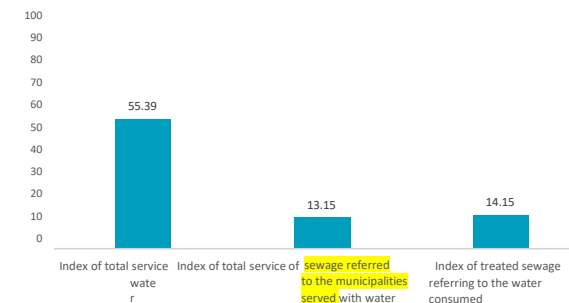
Annual investment and annual investment/GDP - Maranhão

Source: Own preparation based on data from IBGE and the National Treasury



Sector participation in GDP in 2018

Source: Own elaboration based on IBGE data

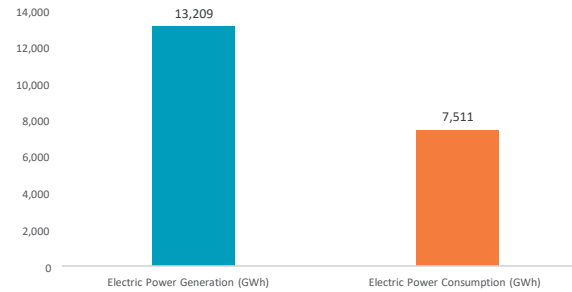


Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data

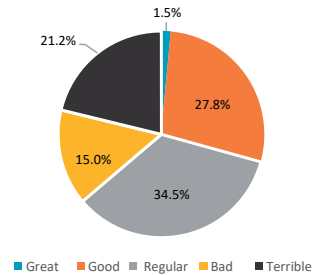
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



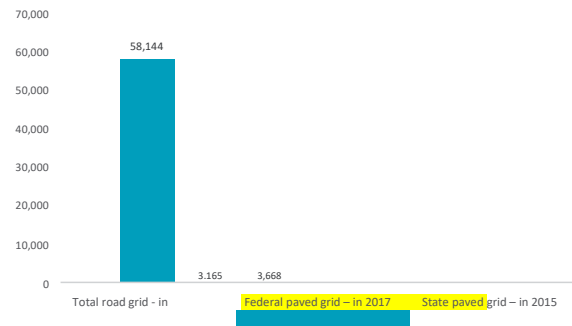
Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transportation Highways - Grid Bus station in the State (km)

Source: Own elaboration based on CNT data



Projects in the state of Maranhão

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Gasmar - Privatization	✓	Actual phase					
Barreirinhas Airport	Actual phase						
Solar Energy - Mini Power Plants	✓	Actual phase					
Complex "City of Justice"	✓	Actual phase					

Source: MAPA - Maranhão Partnerships - Government of the State of Maranhão

Project: Gasmar - Privatization

Estimated investments: Under study
Project contracting form: Privatization

Project Description: Sale of the entirety of the shares of Companhia Maranhense de Gás - Gasmar owned by the State of Maranhão.

Importance of the project for the State: Gasmar is a public company, structured in the form of a privately-held corporation, of which the State of Maranhão holds 51% (fifty-one percent) of the common shares. The project aims to dispose of all shares owned by the State of Maranhão, authorized by State Law No. 11.184 of 2019.

Project: Barreirinhas Airport

Estimated investments: Under study
Project contracting form: Concession

Project description: Management, commercial operation and maintenance of Barreirinhas Airport.
Importance of the project for the State: Currently, the state airport of Barreirinhas, located about one kilometer from the city center, receives private flights and air taxi. The project aims to operate commercial flights, promoting the expansion of transport logistics in the region.

Project: Solar Energy - Mini-Power Plants

Estimated investments: Under study
Project contracting form: Administrative concession

Project Description: Construction, operation and maintenance of photovoltaic solar power generation mini-plants to supply energy demand from the public administration of the State of MA.
Importance of the Project for the State: Energy solution with a clean, renewable and intelligent matrix that entails savings for the treasury. Sustainable development for the State with generation of jobs and income; Incentive for green business.

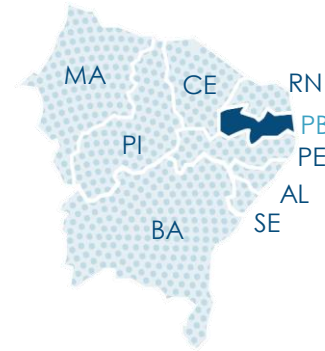
Project: "City of Justice" Complex

Estimated investments: Under study

Project contracting form: Under study

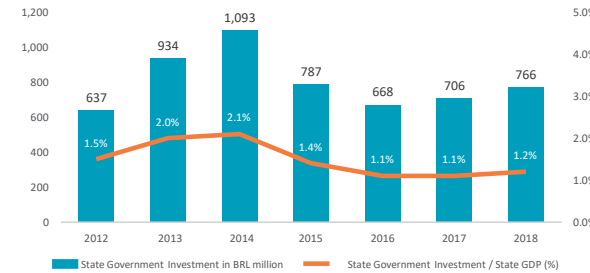
Project Description: Construction and maintenance of a real estate project consisting of a functional building for bodies linked to the judiciary in a dismembered area of the Santa Eulália Site, in order to guarantee the provision of an adequate physical space for the installation of the services provided by the Maranhense Justice System. With this, procedures and processes fundamental to the State are optimized, directly impacting on the improvement of access to jurisdictional services. The State study exchanges the enterprise for a building already built.

Importance of the Project for the State: Concentration of the Judiciary services in a single space, more accessible to the jurisdiction and enabling better contact between the actors.



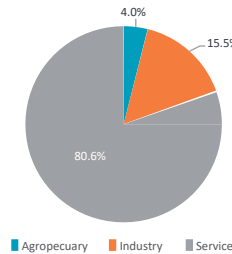
6.5 PARAÍBA

GDP = BRL 64,374 million (2018 data)
Population = 3,996,496 inhabitants
GDP per capita = BRL 16,108 in 2018



Annual investment and annual investment / GDP - Paraíba

Source: Own preparation based on data from IBGE and the National Treasury



Sector participation in GDP in 2018

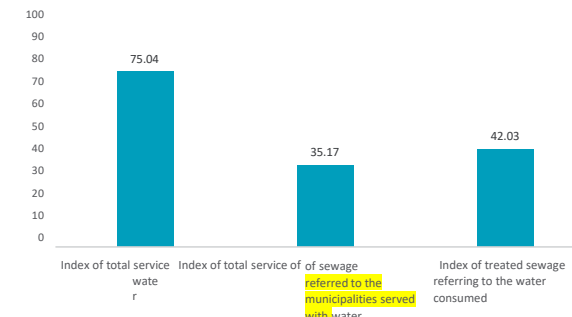
Source: Own elaboration based on IBGE data

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PORT LOGISTICS

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Our purpose is to connect businesses, contributing to the evolution of port logistics. Our services contribute to the socioeconomic dynamics of Brazil, bringing benefits to people, to our surroundings and to the future.



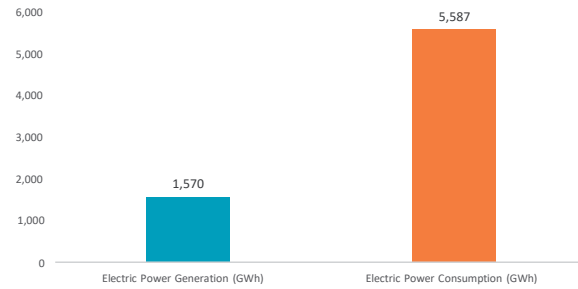
Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation

Source: Own elaboration based on data from the SNIS of the Ministry of Development Regional - 2019 data

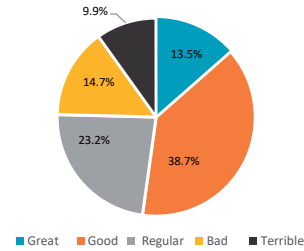
Electric Power Generation and consumption - (GWh) in 2019

Source: Own elaboration based on EPE data



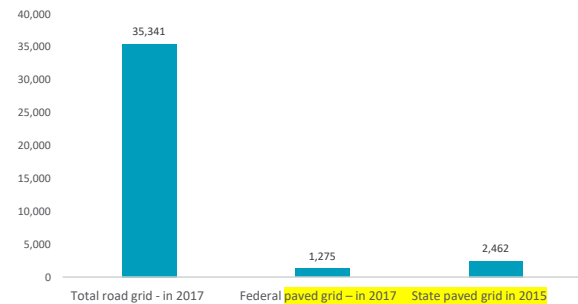
Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transportation Highways - Grid Bus station in the State (km)

Source: Own elaboration based on CNT data



Projects of the State of Paraíba

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Photovoltaic Power Generation Systems	✓	Actual phase					
Paraíba Saneada (Water and Sewage)	✓	Actual phase					
Truck Regulation Yard (Truck Center)	✓	✓	✓	✓	Actual phase		
CEASAS	Actual phase						
Management of Parques Naturais (Natural Parks): Dinosaur Valley Natural Monument; João Pessoa Botanical Garden and Parque das Trilhas (Trails Park)	Actual phase						
João Pessoa Convention Center	Actual phase						
Bus terminals	Actual phase						
Sporting arenas	Actual phase						
Arco Metropolitano de João Pessoa	Actual phase						
Bridge over the Paraíba River	Actual phase						
Irrigated Perimeters	Actual phase						

Source: Secretariat of Planning, Budget and Management – Seplag – Government of Paraíba

Project: Photovoltaic Power Generation Systems

Estimated investments: BRL 150.000.000,00

Project contracting form: Administrative Concession

Project Description: Construction, operation, maintenance and management of photovoltaic energy generation systems, with operationalization of electricity credit compensation services.

Importance of the Project for the State: In addition to the advantages related to the environment and the positive impact resulting from the adoption of a system for generating energy from a clean source, the project will make it possible to reduce the State's expenses with electricity consumption and the use of these resources in other activities that provide greater benefit to the population.

Project: Paraíba Sanitized (Paraíba Saneada) (Water and Sewage)

Estimated investments: BRL 4.000.000.000,00

Project contracting form: Administrative Concession

Project Description: Construction of engineering works to expand water supply and sewage collection in the hinterland and coastal regions, covering 93 municipalities in Paraíba.

Importance of the project for the State: Enable the construction of engineering works to expand the water supply and sewage collection.

Project: Truck Regulation Yard (Truck Center)

Estimated investments: BRL 10,000,000.00

Project contracting form: Administrative Concession

Project Description: Exploration of an area located in the retroport space, for the implementation and operation of a truck regulatory yard (truckcenter), comprising parking and the additional installation of support units linked to the provision of services related to the activity.

Importance of the Project for the State: To improve the turnover capacity of the storage terminals at the Port of Cabedelo, within a better port-city relationship, in addition to establishing compliance with safety rules, within the scope of the port region, preserving the routes of leaks in the event of an accident.

Project: CEASAS

Estimated investments: BRL 25,000,000.00

Form of contracting the project: Onerous use concession

Project description: Expansion, renovation, modernization, operation and maintenance of the Paraíba Supply Centers, located in the cities of João Pessoa, Campina Grande, Patos e Itaporanga.

Importance of the Project for the State: To qualify the services offered by the Supply Centers of Paraíba, offering the entrepreneur and the consumer a modern structure, with adequate security protocols, in all aspects, with the use of functional and comfortable equipment.

Project: Management of Parques Naturais (Natural Parks): Natural Monument Vale dos Dinossauros; João Pessoa Botanical Garden and Parque das Trilhas (Trails Park)

Estimated investments: BRL 360,000,000.00

Form of contracting the project: Onerous use concession

Project Description: Concession of use for integrated maintenance and exploration, with charges for requalification and modernization of the Natural Monument Vale dos Dinossauros, in Sousa/PB, of the Refúgio de Vida Silvestre da Mata do Buraquinho and Parque das Trilhas (Trails Park), in João Pessoa.

Importance of the Project for the State: Ensuring the preservation and maintenance of the natural, geological and paleontological monument, scientific and cultural reference, of historical significance, with prominence worldwide (Vale dos Dinossauros Natural Monument/Sousa-PB). To enhance conservation and qualified and safe access to one of the largest remaining natural reserves of the Atlantic Forest in an urban area of the country, an institution that maintains documented collections of diverse plants, native fauna, in order to optimize support for research activities, promote the conservation, promoting environmental education and ecological tourism (Jardim Botânico and Parque Trilhas (Trails Park), both in João Pessoa-PB).

Project: João Pessoa Convention Center

Estimated investments: Under study

Form of contracting the project: Onerous use concession

Project Description: Onerous use concession, with specific destination, exploration, operation and maintenance of the João Pessoa Convention Center.

Importance of the Project for the State: Contribute to the advancement of the Cabo Branco Tourist Pole, in the capital of Paraíba, and enhance the promotion of artistic, religious, commercial and scientific events.

Project: Bus Terminals

Estimated investments: R\$ 700,000.00

Project contracting method: Concession

Project Description: Expansion, modernization, maintenance, management and operation of the public service equipment structure of the Guarabira and Cajazeiras/PB Bus Terminals.

Importance of the Project for the State: Improve passenger transport support services, offering its users modern and comfortable equipment, which qualifies the receptive structure of these terminals.

Project: Sports Arenas

Estimated investments: BRL 75,000,000.00

Project contracting form: Joint concession

Project Description: Renovation, expansion, modernization, operation and maintenance of public equipment Governador José Américo de Almeida Filho Football Stadium, "O Almeidão", in João Pessoa/PB and Governador Ernani Sátiro Football Stadium, "O Amigão" in Campina Grande/PB.

Importance of the project for the State: The concession of real use of the Football Stadium "O Almeidão" will enhance the public equipment for socioeconomic development, with the adaptation of rules that promote the provision of new services, more comfort, quality under all aspects and safety for activities related to sport, leisure and entertainment in general.

Project: Arco Metropolitano de João Pessoa

Estimated investments: R\$ 140,000,000.00

Project contracting form: Administrative Concession

Project description: The metropolitan arch is a highway whose path goes around urban stretches of BR-101 and BR-230, in the metropolitan area of João Pessoa. It aims to reduce vehicle traffic on these highways and offer an alternative route to the Port of Cabedelo. Its route begins at the intersection of the BR-101 Sul and PB-018 highways, extending to BR-230 and, subsequently, to BR-101 Norte, at the height of PB-025.

Importance of the project for the State: The project creates an alternative access to the Port of Cabedelo, considering that it presents projections of growth in cargo handling in its complex, a scenario that gives greater relevance to the planned investments.

Project: Bridge over the Paraíba River

Estimated investments: BRL 850,000,000.00

Project contracting form: Administrative Concession

Project Description: Construction, administration, operation, maintenance and exploration of a bridge over the Paraíba River, with a span of 2,000 meters, which will link the municipalities of Cabedelo and João Pessoa to the northern coast of the State.

Importance of the Project for the State: The work will provide an alternative access to users of the Port of Cabedelo - carriers and other stakeholders - directly to the BR-101, through the PB-016 highway, which will alleviate heavy vehicle traffic in the urban area of the Capital.

Project: Irrigated Perimeters

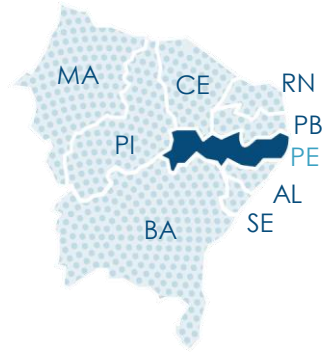
Estimated investments: Under study

Project contracting form: Under study

Project Description: Public concession for implementation and operation of production infrastructure in agricultural perimeters and land exploration, involving engineering, agronomic, marketing, legal and environmental aspects.

Importance of the Project for the State: Enable agricultural perimeters and promote agribusiness in Paraíba, aiming at the development of productive areas with potential for the exploitation of irrigated agriculture.

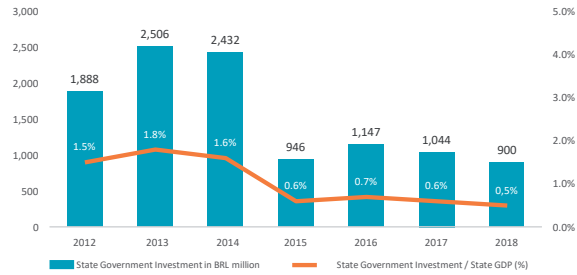
6.6 PERNAMBUCO



GDP = BRL 186,352 million (2018 data)
 Population = 9,496,294 inhabitants
 GDP per capita = BRL 19,624 in 2018

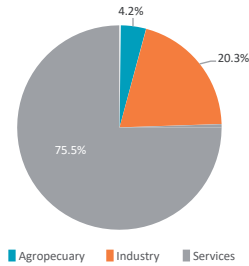
Annual Investment and Annual Investment/GDP - Pernambuco

Source: Own elaboration based on data from IBGE and the National Treasury



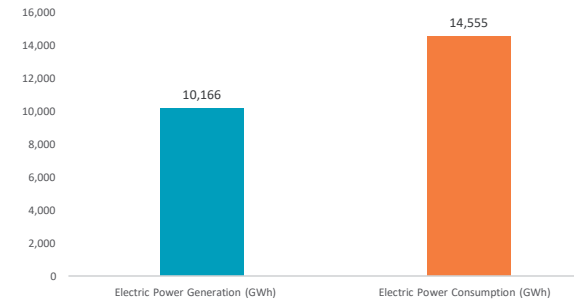
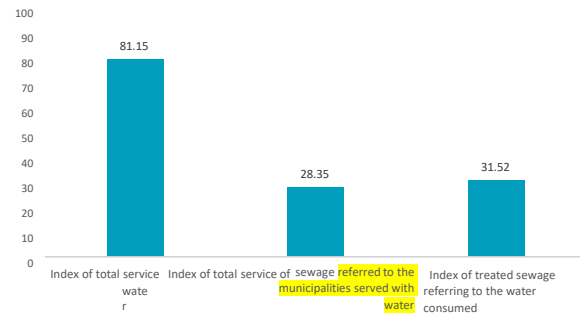
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data

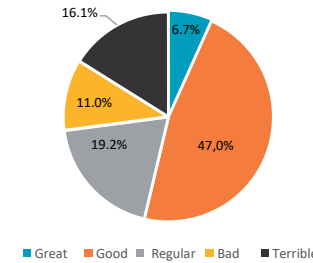


Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data

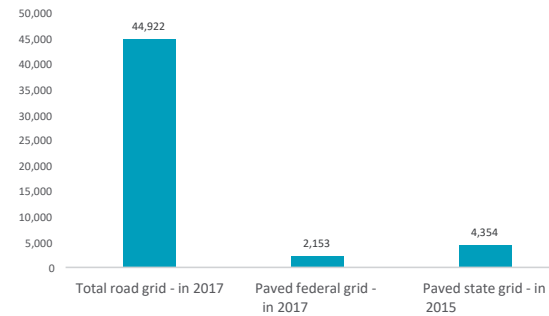
Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Highways Transport - road grid in the State (km)

Source: Own elaboration based on CNT data



Projects in the state of Pernambuco

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ Public	Notice	Bidding	Signature of the Contract
RMR Integrated City Bus Terminals	✓	✓	✓	✓	✓	✓	Actual phase
Convention Center from Pernambuco	✓	✓	✓	✓	✓	Actual phase	
System Water Supply – Engenho Maranhão	✓	Actual phase					
State Highways	✓	✓	✓	Actual phase			
Metropolitan Arch of Recife	✓	Actual phase					
Fernando de Noronha Airport	✓	✓	✓	Actual phase			
Concession of Metropolitan Urban Transport - Bus	✓	Actual phase					
Energy Self-Production Plant	✓	✓	✓	✓	✓	Actual phase	
Parques Estaduais (State Parks) - Parque de Dois Irmãos (Dois Irmãos Park)	✓	✓	✓	Actual phase			

Source: SEINFRA, SEPLAG, SEMAS, EMPETUR and Strategic Partnerships Program – Government of the State of Pernambuco

Project: Integrated Urban bus terminals by RMR

Estimated investments: BRL 113,000,000.00

Contracting project form: PPP

Project description: Concession of 26 integrated urban bus terminals in the Metropolitan Region of Recife and 44 BRT stations with transfer of administration, maintenance, conservation and requalification of the terminals to the private sector, in exchange for the commercial exploitation of these spaces and the opportunity development of associated ventures.

Importance of the project for the State: Daily, approximately 1,2 million people circulate through the 26 terminals that make up the Integrated Structural System (SEI), a public transport network composed of bus and subway lines that serves the Metropolitan Region of Recife. All of these lines are integrated through specially constructed terminals, making it a major challenge for maintenance and operation by the public authorities of this equipment. The concession is intended to provide improvements in the public service, allow for innovations and requalification of the terminals and, in this way, add value to the RMR public passenger transport system.

Project: Pernambuco Convention Center

Estimated investments: BRL 39,000,000.00

Project contracting form: Joint concession

Project Description: Initiative aimed at upgrading the infrastructure and operating model of the Pernambuco Convention Center, the main equipment for holding large-scale events in the State, with an extensive outdoor parking area and even the implementation of new ventures, in addition to having with pavilions of more than 18 thousand m², two theaters (one of them with a capacity for more than 2 thousand seats), three auditoriums, ten convention rooms, among other spaces. Bidding forecast for the project in the 4th Quarter 2021.

Importance of the Project for the State: Modernize the main equipment to attract leisure and corporate events in the State of Pernambuco, which has a robust infrastructure, privileged location and easy access, being recognized as one of the main Convention Centers in the country.

Project: Water Supply System - Engenho Maranhão

Estimated investments: BRL 500,000,000.00

Contracting project form: PPP

Project Description: Initiative aimed at building a dam on the Ipojuca River (Engenho Maranhão), with investments in expanding the capture/production and distribution of water to the Suape Port Industrial Complex and to the headquarters and districts of the municipalities of Cabo de Santo Agostinho and Ipojuca, where some of the main tourist destinations on the Pernambuco coast are located, such as the resort of Porto de Galinhas. Current phase: Studies in progress for Concession/PPP, with monitoring and coordination by Caixa Econômica Federal.

Importance of the Project for the State: Guarantee and improve water security in the main industrial and logistical development pole of the State, as well as in a region of high value for tourism and for the local economy.

Project: State Highways

Estimated investments: R\$ 1,200,000,000.00

Project contracting form: Joint concession

Project Description: It is about upgrading and expanding the capacity of state highways, with the development of studies and projects for the concession of highways PE-90, PE-60 and PE-50, totaling 234km. These are highways that connect from municipalities in the north forest with the northern wilds (Carpina - Toritama/PE-90, Limoeiro - Vitória de Santo Antão PE-50) to segments of the south coast of Pernambuco (Cabo de Santo Agostinho – São José da Coroa Grande/PE – 60), with an estimated VMD of 25,000 vehicles.

Importance of the Project for the State: Road transport is the main modal for connection between the municipalities and distribution of Pernambuco production, which is why the State Government developed the “Caminhos de Pernambuco” project, which will requalify several stretches of the state grid. However, given the need for investment, the fiscal space and the deadlines for improving the highways, there is an urgent need to develop studies to move forward with the concessions, including considering the expertise that the State has in the administration of two state highway concession contracts in force, a common concession and a sponsored concession (PPP).

Project: Arco Metropolitano do Recife

Estimated investments: R\$ 1,036,000,000.00

Method of contracting the project: Under study

Project Description: It is about the construction of a bypass road to the main urban section of BR 101 in the Metropolitan Region of Recife, connecting the development poles of the metropolitan north and south (Goiana and the Suape Port Industrial Complex). Project resumed in 2019 in a partnership of the Government of Pernambuco with institutions such as UFPE and members of civil society to make the highway feasible, accompanied by a Territorial Development Plan. The project is currently in the contracting phase of studies and projects, with the conclusion of the bidding scheduled for December 2021.

6.6.1 Projects of the Municipality of Recife

Importance of the Project for the State: The Metropolitan Arch emerges as a "development axis", as it will enable the opening of new business opportunities in the region and will provide passers-by, including those from neighboring States, the passage outside urban areas, and all BR-101 traffic. With the Arch, it is intended to modernize the road infrastructure, promote the reduction of congestion and travel times, boost the regional economy, with the development of industry, commerce and tourism.

Project: Fernando de Noronha Airport

Estimated investments: BRL 66,000,000.00

Project contracting form: Joint concession

Project Description: Initiative aimed at upgrading the infrastructure and carrying out operations at the Fernando de Noronha airport. The airport is already operational with regular flights. The project provides for the renovation of the passenger terminal, infrastructure interventions in the fire-fighting system, and compliance with other requirements of the sector's regulatory bodies to adapt and expand the handling capacity.

Importance of the Project for the State: Modernize the equipment that has logistical importance to connect the capital to the archipelago of Fernando de Noronha, providing opportunities for the development and flow of passengers and cargo.

Project: Concession of Metropolitan Urban Transport - Bus

Estimated investments: BRL 990,000,000.00

Contracting project form: PPP

Project Description: Concession of 75% of collective public passenger transport lines in the Metropolitan Region of Recife (RMR).

Importance of the Project for the State: Promote improvements in urban mobility and in the public passenger transport system, improving contractual and regulatory aspects between the public and private sectors.

Project: Energy Self-Production Plant

Estimated investments: R\$ 182,000,000.00

Project contracting method: PPP

Project Description: Investments in the generation of clean energy to meet the consumption of state administration units, in addition to management alternatives for better energy use and efficiency gains in management.

Importance of the project for the State: Optimize economic and efficiency gains in the generation and consumption of electric power by the State Public Administration, in addition to allowing the use of clean energy and encouraging investments in the sector.

Parques Estaduais (State Parks) - Parque de Dois Irmãos (Dois Irmãos Park)

Estimated investments: R\$ 85,000,000.00

Project contracting form: Joint concession

Project Description: The initiative is part of the BNDES' national program aimed at structuring concessions for parks and conservation units, with the aim of promoting tourism, sustainable development and the preservation of these units. The Parque Estadual Dois Irmãos (Dois Irmãos State Park) is a park, zoo and conservation unit in the Atlantic Forest, located in Recife - PE (concession area: 384.42ha).

Importance of the Project for the State: Promote the reformulation of the existing infrastructure, seeking to increase and diversify the offer of new environmentally sustainable attractions in the State. The concession will also allow efficiency gains in the management of the conservation unit and the application of resources in new and/or existing "green" public policies.

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C.Public/ A.Public	Notice	Bidding	Signature of the Contract
Concessions of the New Digital Electronic Watches	✓	✓	✓	Actual phase			
Other urban furniture equipment	✓	Actual phase					
Geraldão Complex	✓	Actual phase					
Investments, operation and maintenance of the Municipal Administrative Center (City Hall)	✓	Actual phase					
Construction and maintenance of new kindergartens	✓	Actual phase					
UBS - Construction, renovation, expansion and maintenance of new Basic Units of health	✓	Actual phase					
Urban drainage pilot and associated paving	✓	Actual phase					
Social Housing based on subsidized lease	✓	Actual phase					
Parques Urbanos (Urban parks): Capibaribe, Jaqueira, Santana, Caiara, Macaxeira and Dona Lindu	✓	Actual phase					
Generation of solar energy from photovoltaic panels	✓	Actual phase					
Power generation plant from urban solid waste processing	✓	Actual phase					

Source: Secretariat of Strategic Partnerships – Recife City Hall

Project: Concessions for New Digital Electronic Watches

Estimated investments: BRL 16,523,819.00

Project contracting form: Concession

Project Description: The project consists of the onerous concession of the services of production, installation, maintenance and operation of 108 new electronic digital clocks, supply, installation and maintenance of 108 monitoring cameras and the requalification and maintenance of public spaces associated with the clocks, exclusively in the advertising exploitation of digital electronic watches within the Municipality of Recife.

Importance of the Project for the Municipality: The project will deliver digital electronic clocks to the Municipality, which may have information on time, temperature, air quality indices and UV rays emission, in addition to the provision of information of public utility in your panels. In addition to these benefits, a total grant of at least R\$ 9,522,340.00 is expected, in addition to the installation of security cameras, WiFi points and maintenance of squares where the clocks will be installed.

Project: Other urban furniture equipment

Estimated investments: Under study

Project contracting form: Under study

Project Description: The project involves the concession of public facilities that make up the city's urban furniture, such as bus shelters, street signs, public restrooms and drinking fountains. The private partner will be able to explore the advertising of the equipment in return for the delegation.

Project: Geraldão Complex

Estimated investments: Under study

Project contracting form: Concession

Project Description: The project aims to provide investments, requalification of the Sports Complex of the Geraldo Magalhães Sports Gym. With the delegation to the private sector, it is expected that the equipment will once again receive shows and cultural attractions, while at the same time becoming a reference for professional sports.

Project: Investments, operation and maintenance of the Municipal Administrative Center (City Hall)

Estimated investments: Under study

Contracting project form: PPP

Project Description: The project aims to provide investments to the Recife City Hall headquarters building linked to building maintenance and administration services, such as security, reception and cleaning, all linked to the possibility of exploiting revenues by the private partner.

Project: Construction and maintenance of new daycare centers

Estimated investments: Under study

Contracting project form: PPP

Project Description: The project aims to deliver 40 new daycare centers to the population of Recife with investments initially projected at 135 million. The PPP will integrate the building and infrastructure construction obligations with the building maintenance and administration services.

Project: UBS - Construction, renovation, expansion and maintenance of new Basic Health Units

Estimated investments: Under study

Contracting project form: PPP

Project Description: The project aims to expand access to health care for the population of Recife through the construction of new UBS and expansion of existing units. The PPP will integrate the building and infrastructure construction obligations with the maintenance and administration services of the health facilities.

Project: Urban drainage pilot and associated paving

Estimated investments: Under study

Contracting project form: PPP

Project Description: The project seeks to reduce the execution costs of works involving urban drainage and the paving of public places through the association of services in a single contract.

Project: Social Housing based on subsidized lease

Estimated investments: Under study

Contracting project form: PPP

Project Description: The project consists of making 6 municipal land available for the construction of Social Housing based on the subsidized lease model, part of which must undergo retrofit.

Project: Parques Urbanos (Urban parks): Capibaribe, Jaqueira, Santana, Caiara, Macaxeira and Dona Lindu

Estimated investments: Under study

Project contracting form: Concession

Project Description: The project provides for the concession of six parks (Capibaribe, Jaqueira, Santana, Caiara, Macaxeira and Dona Lindu) for their requalification, maintenance, operation and investments, with the concessionaire being able to exploit revenue from the equipment.

Project: Generation of solar energy from photovoltaic panels

Estimated investments: Under study

Contracting project form: PPP

Project Description: The project envisages the construction of photovoltaic panels in the distributed generation model with the aim of providing clean and renewable energy to schools and Basic Health Units of the Municipality of Recife, at the same time bringing savings in expenses.

Project: Power generation plant from urban solid waste processing

Estimated investments: Under study

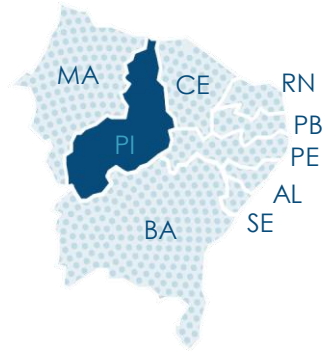
Contracting project form: PPP

Project Description: The project foresees the construction of an energy generation plant from the processing of urban solid waste with the aim of expanding the energy matrix of the municipality.

6.7 PIAUÍ

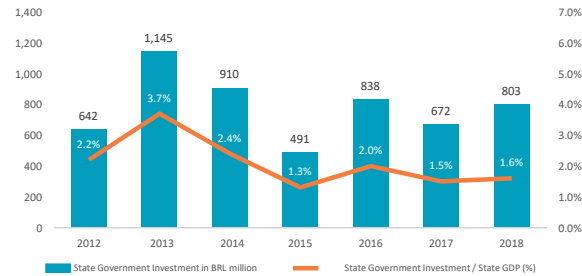


GDP = BRL 50,378 million (2018 data)
 Population = 3,264,531 inhabitants
 GDP per capita = BRL 15,432 in 2018



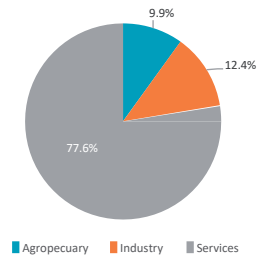
Annual Investment and Annual Investment/GDP - Piauí

Source: Own elaboration based on data from IBGE and the National Treasury



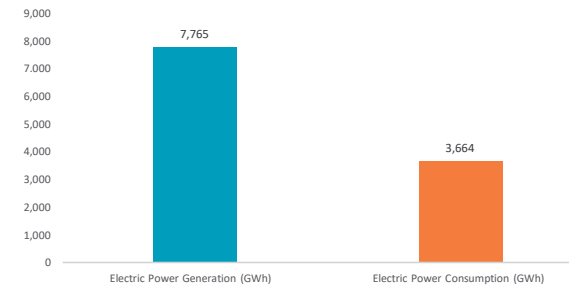
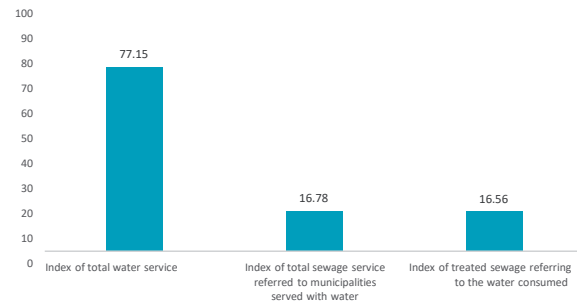
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



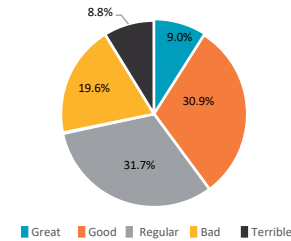
Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data



Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data

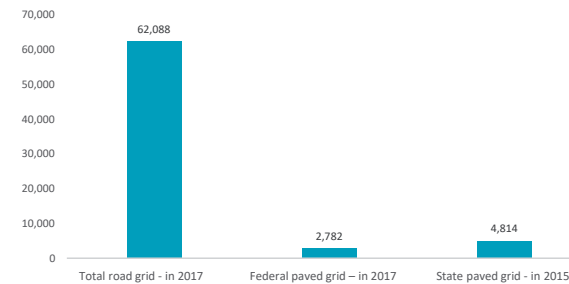


Highway Transport - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019

Highways Transport - road grid in the State (km)

Source: Own elaboration based on CNT data



Projects of the State of Piauí

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Clean Energy	✓	✓	✓	✓	✓	✓	Hired in 2020
Solid Health Care Waste Convention Center	✓	Actual phase					
Transcerrados Highway	✓	✓	✓	✓	✓	✓	Hired in 2021
Zoobotanical Bioarch	✓	✓	✓	✓	✓	Actual phase	
Serra da Capivara Hotel	✓	✓	✓	✓	✓	Actual phase	
Administrative Center	✓	Actual phase					
IAPEP Summer Camp	✓	Actual phase					
Barra Grande Tourist Complex	✓	✓	✓	✓	✓	✓	Hired in 2020
Piauí Center	✓	✓	✓	✓	✓	✓	Hired in 2021
Parnaíba airport	✓	✓	✓	✓	✓	Actual phase	
School + Digital and Inclusive PPP Laundry and Sterilization - health services	✓	Actual phase					
PPP Digital Health	✓	Actual phase					
Exhibition Park	✓	Actual phase					
Handicraft Center	✓	Actual phase					
Agrovilas	✓	Actual phase					

Source: SUPARC – Superintendence of Partnerships and Concessions – Government of Piauí.

Project: Clean Energies

Estimated investments: BRL 223,007,729.24

Project contracting form: Administrative concession - PPP

Project Description: PPP for the implementation of 8 mini photovoltaic plants to meet the energy demand of the public entity's building facilities, with the purpose of generating savings and at the same time helping to reduce the use of fossil fuels. The PPP is expected to promote environmental awareness among the population, save public expenditure, and generate energy from a clean source.

Importance of the Project for the State: The implementation of eight mini-plants of photovoltaic solar energy will promote the State of Piauí as a national reference in good practices for the environment, as well as avant-garde, since it is incipient in Brazil, in the use of energy from the sun with a view to serving public building facilities. The investments will contribute to the regional economy, from the generation of direct and indirect jobs, both in the implementation phase and in the operation of activities.

Project: Solid Health Waste

Estimated investments: BRL 32,069,290.52

Project contracting form: Administrative concession - PPP

Project Description: The objective of this Public-Private Partnership (PPP) project is the development of solutions for the complete management of health waste, classes I and II, in health establishments linked to the State Public Administration.

Importance of the Project for the State: The goal with this PPP is to find a model that guarantees the full operationalization of the sector, with social benefits and for the health of the population of Piauí, with the fulfillment of the legislation and the provision of efficient services, with guarantee of economy.

Project: Convention Center

Estimated investments: BRL 7,217,473.51

Form of contracting the project: Concession of use

Project Description: The main objective of the concession of use is to transform the Convention Center, based on specialized management, into a regional reference for the promotion of business, cultural and leisure events, generating chain value and promoting numerous multiplier effects. The project seeks to supply the lack of space and physical structure for holding events, notably, congresses, symposia, fairs, exhibitions and others related to this segment. The project was based on a contracting model that associates the modernization of equipment to provide more efficient and quality services and that, at the same time, serves as a promoter of activities that generate revenue, direct and indirect benefits for the local population and that promotes the socioeconomic development of the city where it is installed.

Importance of the project for the State: The convention center is an important piece of equipment within the State's tourism chain and, in view of this scenario, the government has entrusted itself with the mission of delivering modern equipment to the population, capable of maximizing its public utility and social and at a lower cost for the public purse and society.

Project: Transcerrados Highway

Estimated investments: BRL 808,921,232.88

Project contracting form: PPP - Concession Sponsored

Project Description: The Transcerrados PPP intends to: complete the paving of almost 30 km of the first stretch of PI-397; paving the 120 km of the second stretch of PI-397; maintenance and operation management of the 40 km paved of PI-262.

Importance of the project for the State: Transcerrados integrates a road system located in the southern region of Piauí and integrates four states in the country. It is a vital highway for the flow of local production and a means to promote the development and integration of the region, one of the most thriving and promising in Brazil in terms of agribusiness. In summary, it is of fundamental importance for the strategic planning of the State of Piauí that the implemented PPP contributes to the development of the cerrados region. The project should focus on agility, efficiency and the promotion of effective growth and economic and social development in the State.

Auction Result: Grão do Piauí Consortium

Project: Zoobotanical Bioarch

Estimated investments: BRL 43,784,150.96

Form of contracting the project: Concession of use

Project description: The study in question proposes the revitalization, readjustment, management and maintenance of the Parque Estadual do Zoobotânico (Zoobotanic State Park), in Teresina, in order to offer better leisure conditions to local residents, with increased attractions, conservation of the local biome and promotion of tourism in the region, with the generation of income and jobs. The equipment will be transformed into a biopark and will prioritize animal welfare, with larger and more comfortable enclosures, in addition to combining leisure and environmental education.

Importance of the Project for the State: The partnership project consists of the development of a concept based on ecotourism, nautical tourism and cultural tourism, with the structuring of trails, integrated itineraries for

knowledge of the local flora and fauna, among other attractions. This segment can act as a complement to the main tourism segment in the city of Teresina: business and events. The aspects contemplated in the Plan for Transformation of the Zoobotanical Park into a Biopark intend to create in Teresina an environment containing singularities that do not exist in the surrounding states, making it a differential in attracting the public, capable of generating significant dividends for the municipality's tourism sector.

Project: Hotel Serra da Capivara

Estimated investments: BRL 65,731,021.47

Form of contracting the project: Concession of use

Project description: The objective of the project is to make possible, within the state policy of attracting investments for tourism and through the implementation of a new governance model, the renovation and modernization of the current facilities of Hotel Serra da Capivara and its expansion in the standard of resort, aiming to achieve the offer of a service of quality and comfort, which fully corresponds to the expectation and satisfaction of national and international guests and meets the interests of the State of Piauí.

Importance of the project for the State: The project focuses on stimulating ecological tourism and the ability of the private sector to transform the equipment into a source of attractiveness so that the visitor feels enchanted by the performance of the service offered, so that it becomes a factor expansion of tourism in the region.

Project: Administrative Center

Estimated investments: BRL 168,392,295.15

Project contracting form: Administrative concession - PPP

Project Description: The purpose of the project is to present a solution for better use of the existing space to concentrate all the organs of the state public administration, integrating actions and improving the government's response capacity, with more efficient and economical management and maintenance of equipment. PPP will make retrofit of the infrastructure feasible, modernizing and adapting the space, releasing the State from maintaining administrative operation services and meeting the demands and prospects for the functioning of public agencies in the coworking model (collective work space).

Importance of the Project for the State: The definition and implementation of a new management model for public administration spaces means breaking a strongly rooted paradigm that is commonly related to the inefficiency of the public power. The project has a density of State policy and program related to administrative modernization and is capable of providing savings and improving the provision of services to citizens.

Project: IAPEP Holiday Camp

Estimated investments: R\$ 71,650,983.31

Project contracting method: Under study

Project Description: Constitution of an SPE for the construction, requalification, modernization and administration of the IAPEP colony, in the form of a multi-property condominium.

Importance of the Project for the State: With more efficiency and resources to be invested in training and evolution of the quality of accommodations and services, the IAPEP Holiday Camp will become a great business that will generate returns for all parties involved and, mainly, meet the needs and desires of Piauí residents and tourists who frequent the coast of Piauí. The use of more efficient administrative and operational processes will tend to generate new business and attractiveness within the area of the complex, bringing economic and social gains with vectors aimed at obtaining a higher rate of accommodation occupancy, higher level of user satisfaction and increase revenue.

Project: Barra Grande Tourist Complex

Estimated investments: BRL 45,969.96

Form of contracting the project: Permission to use

Project Description: The objective is for the Barra Grande Tourist Terminal to fulfill its mission of supporting the movement of passenger transport to the municipality of Cajueiro da Praia, allowing its users to enjoy an adequate, safe and equipped space of a minimum comfort structure for use.

Importance of the project for the State: The project of Terminal Turístico de Barra Grande has the importance of increasing tourism on the coast of Piauí for the state, through the qualified use of the terminal's receptive structure; support for the growth of tourist traffic and the number of service offers related to the tourism sector on the coast of Piauí; encouraging entrepreneurship and new business in the tourism sector of Barra Grande; the contribution to improve the level of employment and income of residents of the terminal's area of influence and the application of the grant amount to support the development of tourism in the surroundings of Cajueiro da Praia, with actions in projects of social inclusion, conservation and environmental education, followed by approval by the CGP of Partnerships.

Project: Piauí Center

Estimated investments: BRL 15,099,962.8

Form of contracting the project: Concession of use

Project Description: The purpose of the concession of use with specific destination, for consideration, is the renovation, expansion, modernization, operation and maintenance of the Governador Guilherme Mello fair and event pavilion, located in Teresina, in addition to promoting the management of a dedicated shopping mall.

Importance of the Project for the State: The State will revitalize the public space in order to strengthen the textile, footwear and accessories sectors, as well as generate employment and income for the population. In addition, the contracted concessionaire will expand the products offered to wholesale and retail, focusing on the fashion sector, in addition to offering the population new spaces for consumption, entertainment and services. Through the concession, the state public administration will save public resources, gain a new infrastructure, and will begin to offer better business, services and leisure conditions for the population of Teresina and Piauí.

Project: Parnaíba Airport

Estimated investments: BRL 94,000,000.00

Project contracting form: Administrative concession - PPP

Project Description: Modernization of management, operation and maintenance of airport services, with development of the cargo terminal, international flights and executive aviation.

Importance of the Project for the State: Parnaíba is the second largest city in Piauí, with several centers that generate travel and stands out for its tourist potential. The municipality is one of the stops on the Rota das Emoções, a tour that includes Jericoacoara (CE) and Lençóis Maranhenses (MA), and has the closest airport in Europe. In the last four years, Parnaíba Airport handled an average of eight thousand passengers per year. In 2014 and 2015, with the works to expand the runway and the entrance of Azul at the airport, the movement reached a peak of 14.8 thousand passengers. One of the scenarios projected in the PPP studies shows an expected movement, in 2050, of just over 370 thousand passengers, due to the entry into operation of new domestic commercial routes, and also to the increase in general aviation traffic.

Project: School + Digital and Inclusive

Estimated investments: BRL 76,187,968.8

Project contracting form: Administrative concession - PPP

Project Description: Implementation of the inclusive school + digital concept model for non-pedagogical services - administration - inclusion of new services and schools.

Importance of the Project for the State: The objective of the project is to expand the connectivity infrastructure for the state education network, which includes the supply and installation of modern digital equipment and training of servers to operate equipment, such as wallets and digital whiteboards.

Project: PPP Laundry and Sterilization – health services

Estimated investments: BRL 163,578,118.15

Project contracting form: Administrative concession - PPP

Project Description: Provides for the construction of clothing processing centers for health services and sterilization of health products for the public network. The PPP, in its 1st stage, will manage, optimize the workforce, implement new technologies, adapt the structure, implement new concepts in 7 health units in the state.

Importance of the Project for the State: The proper use of this equipment guarantees greater safety for both patients and employees in medical and hospital care. The Material and Sterilization Center (CME) will be the area responsible for washing and caring for health products, such as clothes and clinical trousseau, where cleaning, control, preparation, disinfection, sterilization and distribution of these products will be carried out. Currently, each health unit in the state network has its own materials and sterilization sector, which generates greater expense for public management and greater difficulty in standardizing washing methods and inspection of material processing.

Project: PPP Digital Health

Estimated investments: Under study

Project contracting form: Under study

Project Description: The PPP will decentralize, through the internet, basic and high-complexity care in health units in the State of Piauí. The expansion of the PPP Piauí Conectado will bring broadband internet to 100% of the municipalities in the state and the coverage of the Family Health Program is present in 99.4% of the cities in Piauí. The project provides for the implementation of specialized rooms to carry out teleconsultations and provide support to the Family Health teams. The space will have a navigator nurse and a portable exam kit. Initially, 50 rooms will be implemented, one per municipality. In this scenario, in one year, 500 consultations with specialists would be carried out in each of the rooms.

Importance of the Project for the State: Currently, only 65% of pregnant women in the State perform seven or more prenatal consultations on average, and this rate has grown by 5% per year. The PPP will guarantee support for more prenatal consultations, predicting, in half a decade, a 50% reduction in the number of deaths from preventable causes in children up to five years old. The project also provides for the acquisition of supplies that must be delivered for the development of the assistance axis in the field of technology, such as a telemedicine platform with a citizen APP, electronic medical records and electronic prescription.

Project: Parque de Exposição (Exhibition Park)

Estimated investments: Under study

Form of contracting the project: Concession of use

Project Description: The project will enable the renovation, modernization, operation and maintenance of the Parque de Exposição Dirceu Arcoverde (Dirceu Arcoverde Exhibition Park).

Importance of the Project for the State: The park is the main stage for events such as agricultural fair, vaquejada, animal exhibition, regional shows. One of the most traditional events in the sector is Expoapi, which takes place there every year and took more than 220,000 people to the Parque de Exposições Dirceu Arcoverde (Dirceu Arcoverde Exhibition Park in 2019), generating around BRL 35 million in business in the agriculture sector.

Project: Handicraft Center

Estimated investments: Under study

Project contracting form: Under study

Project Description: In the priority line of management of public equipment to be implemented by the State Government, it is envisaged the design of a partnership between the State Public Administration and the private initiative, aiming at the installation of a reform, expansion, operation and maintenance project at the Handicraft Center, with the main objective of preserving the historical and peculiar records of the central region of the city of Teresina. In

the implementation of a necessary infrastructure, the project also aims to transform the Handicraft Center into a profitable tourist attraction and with conditions for cultural, economic and social exploitation of the area where the equipment is located.

Importance of the Project for the State: The project aims to promote the development of handicrafts, tourism and the economy, in support of promotion and commercialization, in addition to providing training for the community, improving the level of income for artisans.

Project: Agrovilas

Estimated investments: Under study

Form of contracting the project: Concession of use

Project Description: The project will transform public areas with agricultural vocation into productive areas in the Cerrados region, with the intention of developing them considering aspects of environmental, social and financial sustainability, generating employment and income for the region.

Importance of the Project for the State: The project will further strengthen agribusiness in the Piauí cerrados, working in partnership with the Transcerrados PPP. PPP Agrovila will generate jobs, attract new investments, develop new markets, install schools, regenerate degraded areas, enhance environmental assets and will also be an agricultural qualification center.

6.7.1 Projects of the Municipality of Teresina

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Construction and operation of daycare centers in Teresina	✓	Actual phase					
Teresina Urban Solid Waste	✓	✓	✓	Actual phase			

Source: Teresina City Hall

Project: Construction and operation of daycare centers in Teresina

Estimated investments: Under study

Project contracting form: PPP or concession

Project Description: Construction and operation of 40 new full-time and part-time day care units. The expectation of the concession project is to benefit around 5 thousand children in Teresina. The project is in the study phase, led by BNDES in partnership with a consortium of consultants. The bidding is expected to take place in the second quarter of 2022.

Project: Solid Urban Waste of Teresina

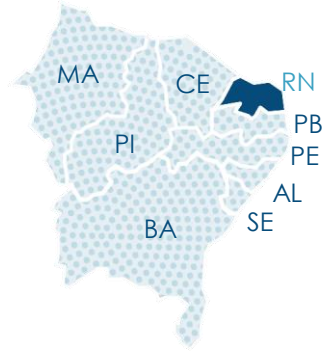
Estimated investments: BRL 217,000,000.00 (capex), BRL 1,200,000,000.00 (opex)

Project contracting form: Concession

Project Description: The service includes the collection, transshipment, transport and final disposal of urban solid waste. The bidding is scheduled for the 10th half of 2022.

Importance of the Project for the Municipality: To adapt the waste collection and disposal service to the determinations of the National Solid Waste Policy.

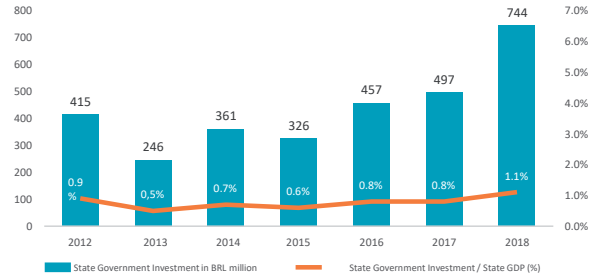
6.8 RIO GRANDE DO NORTE



GDP = BRL 66,970 million (2018 data)
 Population = 3,479,010 inhabitants
 GDP per capita = BRL 19,250 in 2018

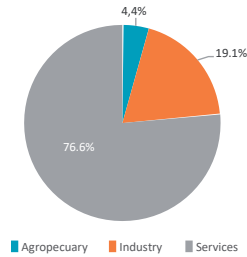
Annual investment and Annual investment/GDP – Rio Grande do Norte

Source: Own elaboration based on data from IBGE and the National Treasury



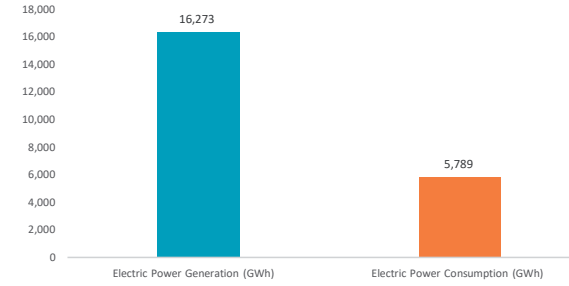
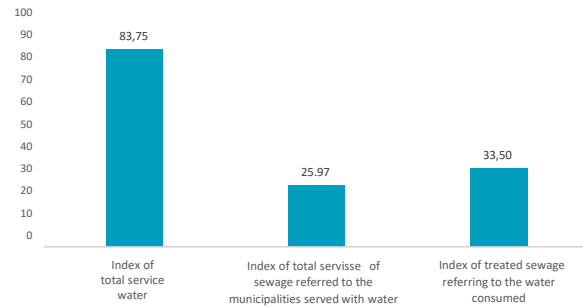
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



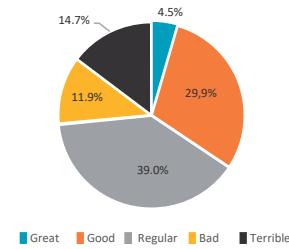
Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data



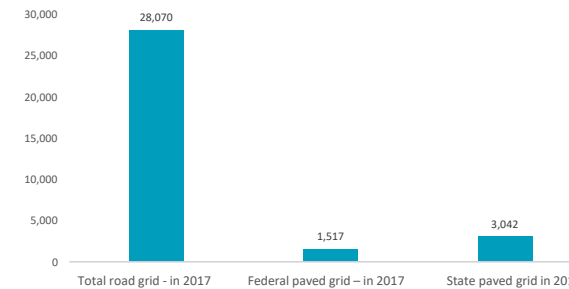
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on the EPE data



Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research Highways 2019



Highways Transport - road grid in the State (km)

Source: Own elaboration based on the the CNT data

Projects of the state of Rio Grande do Norte

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
PPP for universalization of sewage in the metropolitan region of Natal	Actual phase						
Metropolitan Way	✓	Actual phase					
Rio Grande do Norte State Bus Station Expansion Plan	✓	Actual phase					
New Airport in Mossoró	✓	Actual phase					
Solar Energy Parks	✓	Actual phase					
Concession of tourist equipment in Rio Grande do Norte	✓						
Solid Waste Management	✓	Actual phase					

Source: SEPLAN - Secretariat of Planning and Finance - Government of the State of Rio Grande do Norte.

Project: PPP for universalization of sewage in the metropolitan region of Natal

Estimated investments: R\$ 1.500.000.000,00

Contracting project form: PPP

Project Description: The public-private partnership aims to speed up the universalization of sanitary sewage services in the Metropolitan Region of Natal.

Project: Metropolitana Way

Estimated investments: Under study

Project contracting form: Under study

Project Description: Construction of the Metropolitan road, connecting the Natal International Airport to the Lagoa Nova neighborhood in Natal – RN.

Project: Rio Grande do Norte State Bus Station Expansion Plan

Estimated investments: Under study

Project contracting form: Under study

Project Description: Construction and restoration of highways as foreseen in the RN bus station expansion plan - Implementation with paving of RN 221, in the stretches between the Municipality of São Miguel do Gostoso, Praia dos Marcos and the Municipality of Pedra Grande; Implementation with paving of RN 221, between the Municipalities of Pedra Preta/RN and Jardim de Angicos/RN; Implementation of the tourist route connecting Praia de Pirangi, in the municipality of Parnamirim/RN, to Praia de Barra de Tabatinga, in the municipality of Nísia Floresta/RN; Implementation of the tourist route linking Praia de Caraúbas to Praia de Touros/RN.

Project: New Airport in Mossoró

Estimated investments: Under study

Project contracting form: Under study

Project description: The project involves the construction of a new airport in the city of Mossoró, for the transportation of cargo and passengers.

Project: Solar Energy Parks

Estimated investments: Under study

Project contracting form: Under study

Project description: Creation of solar energy production parks in the following cities: Areia Branca, Assú, Caicó, Currais Novos, Lajes, Macau, Mossoró, Natal, Pau dos Ferros.

Project: Concession of tourist equipment in Rio Grande do Norte

Estimated investments: Under study

Project contracting form: Under study

Project description: The project provides for the concession of various tourist facilities in the State. Among them: Convention Center located on Via Costeira in Natal, Cajueiro de Pirangi, Fortaleza dos Reis Magos, Parrachos de Maracajaú, Rampa Cultural Center, Parque das Dunas, Tourism Center and Pipa State Park.

Importance of the Project for the State:

Project: Solid Waste Management

Estimated investments: Under study

Project contracting form: Under study

Project description: The project aims to regionalize the treatment of solid waste, through consortia in seven poles: Seridó, with 25 municipalities, Alto Oeste, with 44 municipalities, Assú, with 24 municipalities, Metropolitanano, with 08 municipalities, Agreste, with 39 municipalities, Mato Grande, with 26 municipalities and Mossoró.

6.8.1 Projects of the Municipality of Natal

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Implementation of Parque do Jiqui (Jiqui Park)	✓	Actual phase					

Source: Municipal Planning Department – Natal City Hall.

Project: Implementation of Jiqui Park

Estimated investments: BRL 40,000,000.00

Project contracting form: PPP or concession

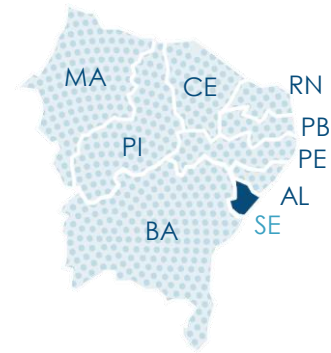
Project Description: The project called 'Jiqui Park', in addition to striving for protection, contemplation and environmental education, also has as an inducer the problem related to the absence of green and leisure areas in Natal/RN. The premise is to prepare the 'Lagoa do Jiqui' area (beginning of the large regional underground discharge zone, acting as a natural outlet for the Barreiras aquifer in the north-northeast sector of the Pirangi River Basin – located in the neighborhood of Neópolis) providing it with complete urban infrastructure, including the sanitary sewage and environmental recovery of the aforementioned lagoon so that its correct urbanization does not restrict its use to only contemplation and environmental conservation.

The need for environmental preservation of the area delimited by the Jiqui Park Project is extremely relevant, since it makes up the Barreiras aquifer, one of the most important regions for the recharge of groundwater in Natal. The Barreiras aquifer accounts for a significant part of the public supply of drinking water consumed in Natal. According to the Companhia de Águas e Esgoto do Rio Grande do Norte (CAERN), tubular wells (groundwater) supply about 65% of the city's demand, which is also supplied by the Jiqui and Extremoz lagoons (surface springs), which justifies the necessary soil preservation in the delimited area of the Jiqui Park Project.

The implementation of Parque do Jiqui is an opportunity to offer the Potiguar, and especially a peripheral population, access to a Park that offers the possibility of unrestricted use in an extensive green area, located in the urban area of Natal, between Av. Ayrton Senna, Av. São Miguel dos Caribés, Av. Das Alagoas and Rua Governador Valadares.

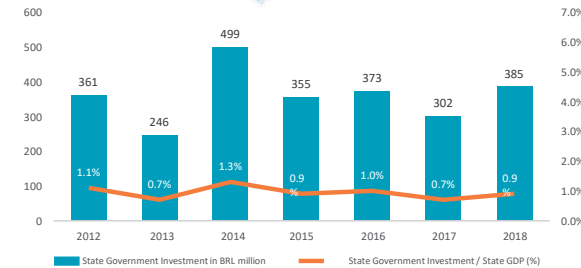
Importance of the Project for the Municipality: The contemplative activity of Parque do Jiqui was designed with the aim of respecting the native vegetation and potentiating the intrinsic environmental factors, mainly the good quality of water in the city of Natal/RN, acting as an escape area for population, as well as contributing to the climatic factors of the city. The catchment pond will receive the treatment of its waters, where there is currently the accumulation of garbage and the dumping of clandestine sewage, this action will favor the quality of the air, the sheets equipment, there will be replanting. This sector will have fountains, lawns, viewpoints and piers, in addition to permeable walkways and trails that will serve both for contemplation and for sporting purposes.

Among the sports activities offered at Jiqui Park Project are the skatepark and tree climbing (circuit free of pets and for carrying out vaccination campaigns for dogs and cats, contributing not only to the health of pets, but also to the control of zoonoses).



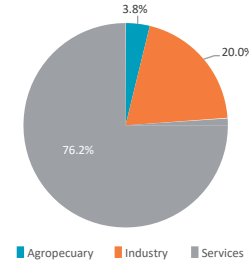
6.9 SERGIPE

GDP = BRL 42,018 million (2018 data)
Population = 2,778,308 inhabitants
GDP per capita = BRL 18,443 in 2018



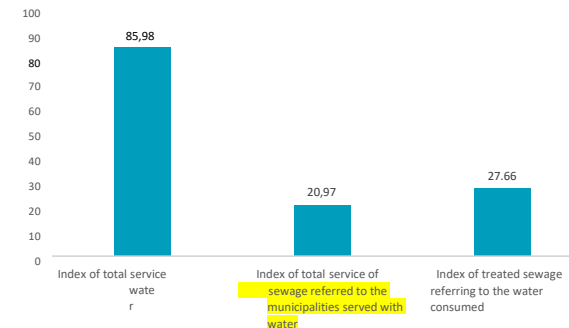
Annual investment and annual investment / GDP - Sergipe

Source: Own preparation based on data from IBGE and the National Treasury



Sector participation in GDP in 2018

Source: Own elaboration based on IBGE data



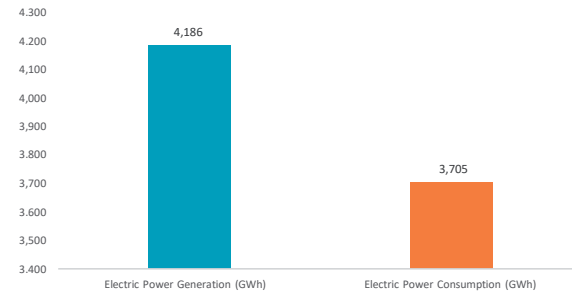
Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data

Projects of the State of Sergipe

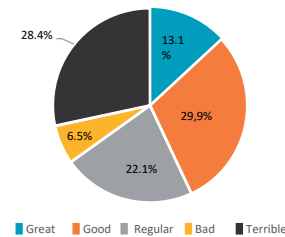
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



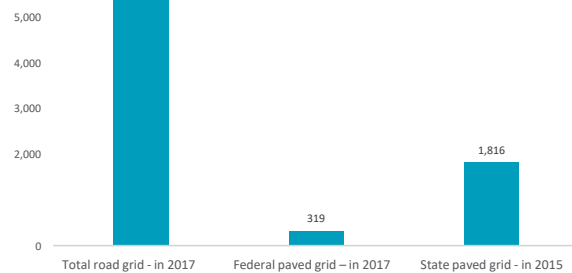
Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transportation Highways - Grid Bus station in the State (km)

Source: Own elaboration based on CNT data



MONITORING OF PROJECTS

Project	Market Prospecting	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Management and Modernization of the Itabaiana Supply Center (CEASA)	✓	✓					
Aracaju Supply Center	Actual phase						
Management and Modernization of the Convention Center from Sergipe	✓	✓					
Management and Modernization of the Fishing Terminal from Aracaju	Actual phase						
Duplication of BR-235 in the stretch between Aracaju and Itabaiana	Actual phase						
Universalization of water supply and sanitation in Sergipe	✓	Actual phase					

Source: SEGG – Secretary of State for General Government – Government of the State of Sergipe

Project: Management and Modernization of the Itabaiana Supply Center (CEASA)

Estimated investments: BRL 8,757,174.00

Form of contracting the project: Concession of use

Project Description: Management and operation of a Supply Center in the city of Itabaiana, including investments in modernization, adaptation and maintenance of the existing work, with the aim of promoting the local market for horticultural products, livestock, fishing, floriculture, handicrafts and other products from free fairs in general, in addition to related services associated with commercial activity.

Importance of the Project for the State: To favor the economic activity commonly offered by farmers and merchants in the surroundings and favor the development of commerce in the city and region, ensuring a comfortable and adequate space for the purchase and sale of goods, and with full compliance of environmental quality requirements, sanitary surveillance, safety and comfort of installations and operations, for the benefit of producers and consumers who use the Center and the community.

Project: Aracaju Supply Center

Estimated investments: R\$ 160,000,000.00

Project contracting method: Under study

Project Description: Construction and management of a modern supply center for fresh produce and fairgrounds.

Importance of the Project for the State: To favor the economic activity offered to farmers and traders.

Project: Management and Modernization of the Sergipe Convention Center

Estimated investments: BRL 24,463,835.00

Form of contracting the project: Concession of use

Project Description: Management and operation of a Convention Center recently renovated by the State Government, with an area of more than 14,000 m² intended to promote and host events, of a tourist, promotional or

business. Located in the urban center of Aracaju, it has auditoriums in a reversible structure that allows for easy assembly and disassembly of dividing panels, thus facilitating a variable configuration of environments, all in an air-conditioned and accessible environment. It has the capacity to receive 6,500 people, including the exhibition area and the auditoriums.

Importance of the Project for the State: Foster the attraction of promotional events and tourist dissemination, resulting in the expansion of income and employment and the participation of tourism in the State's GDP.

Project: Management and Modernization of the Aracaju Fishing Terminal

Estimated investments: BRL 4,200,000.00

Project contracting form: Joint concession

Project Description: Modernize the equipment, organize and manage the industrial operation and river port landing, at the fishing terminal and fish processing unit.

Importance of the Project for the State: It is expected to serve more than 12 thousand fishermen in 27 colonies, promoting fishing activity in the economy of the State of Sergipe.

Project: Duplication of BR-235 on the stretch between Aracaju and Itabaiana

Estimated investments: R\$ 257.000.000,00

Project contracting form: Joint concession

Project Description: Duplication and conservation of 55 km of BR-235, in the section between Povoado Terra Dura in Itabaiana-SE and the junction with BR-101, in Povoado Quissamã in Nossa Senhora do Socorro - SE.

Importance of the Project for the State: Regional economic expansion, expansion of the integration of large consumer centers in the region, articulation of tourism and creation of new business opportunities. Agreste Sergipano has a great commercial vocation. The work would interconnect the municipalities of Itabaiana (94,7 inhab.), Areia Branca (18,000 inhab.), Nossa Senhora do Socorro (181,5 inhab.) and Aracaju (648,9 inhab.). The BR-235 is an important transport route for agricultural production in the Juazeiro-Petrolina Complex. It is also an important tourist corridor, as the main route between Aracaju and the tourist destination of Xingó and the canyons on the São Francisco River. The travel time between the municipalities will be significantly reduced, in addition to representing an important increase for the safety of people, since there will be a significant reduction in traffic accidents.

Project: Universalization of water supply and sanitation in Sergipe

Estimated investments: Under study

Project contracting form: Under study

Project Description: Expand water supply and sanitary sewage aiming at universalization for all Sergipe municipalities (75 municipalities). In negotiations to sign the contract to carry out the technical studies by BNDES

Importance of the Project for the State: According to SNIS 2019 data, in Sergipe, 14% of the total population does not have access to water supply and 79% do not have access to sewage collection. Of the 71 municipalities served by the state company (DESO), only 7% have sanitary sewage. The indicators for this service are below the average for the Northeast and Brazil. With the establishment of partnerships with the private sector, it will be possible to make the investments necessary to reach the goals and standards of service defined by the new regulatory framework for the sector, with efficiency gains in the most varied processes of service provision (loss control, expansion and improvement of water and sewage coverage, rational use of water, energy and other natural resources, etc.). According to a KPMG survey (2020), Sergipe is one of the Northeastern states with the best positive externality/investment ratio (2:1). In addition, it is the northeastern state that has the lowest investment cost for universalization, around R\$ 4.2 billion, representing 4% of the total cost of the region. With the project, the State will seek the best legal-institutional alternative that at the same time stimulates private investment in the sector, whether it is feasible to implement or adapt, with a view to universalizing services, assuming as a premise increased efficiency, regularity in service, improved management, reasonable tariffs and, mainly, the maintenance of state control over water supply, with the strengthening of the state company.

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REGION
NORTH

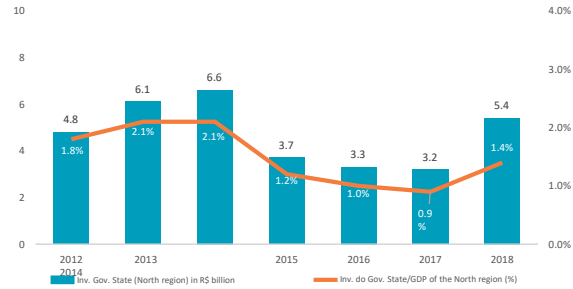
7. NORTH REGION



North Region GDP = BRL 387 billion (2018 data)
(5.5% of Brazilian GDP)
Population of the North Region = 18,182,253
inhabitants (8.7% of Brazil) (in 2018)
GDP per capita = BRL 21,314 in 2018

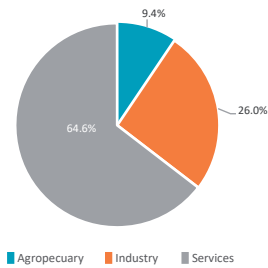
Investments in state governments in the Northeast and investments in state governments/GDP in the region

Source: Own elaboration based on data from IBGE and the National Treasury



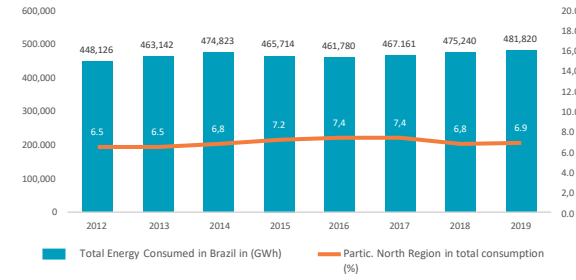
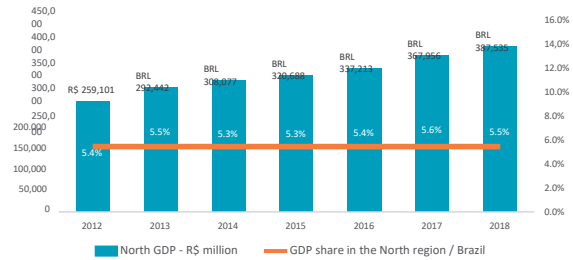
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



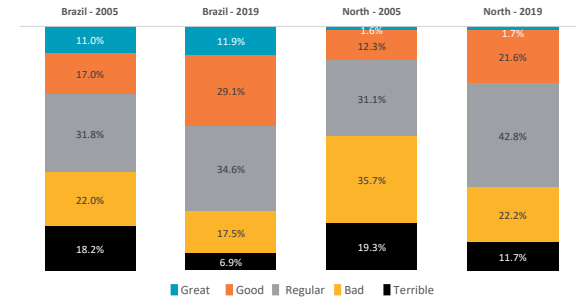
GDP of the North and share % of GDP North region in the GDP of in Brazil

Source: Own elaboration based on IBGE data.



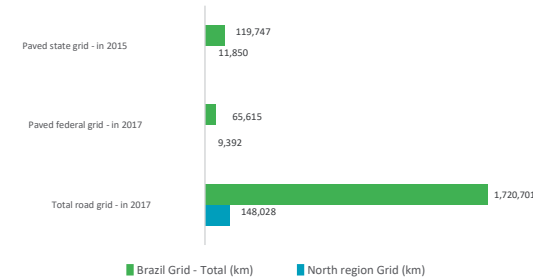
Electric Power - Total energy consumed in Brazil and share of consumption in the Southeast region (GWh)

Source: Own elaboration based on the EPE data



Transport Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research Highways 2019

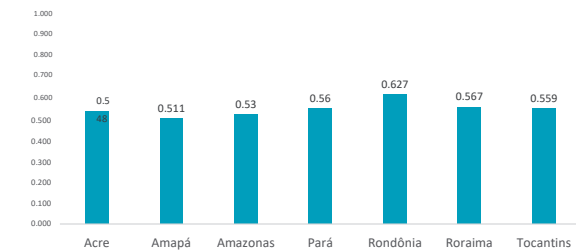


Transport - Highways - Brazilian and Northern Road Grid (km)

Source: Own elaboration based on CNT data

Solid Waste - Urban cleaning sustainability index - ISLU* 2020 - average by State

Source: Own elaboration based on data from Selurb and PwC

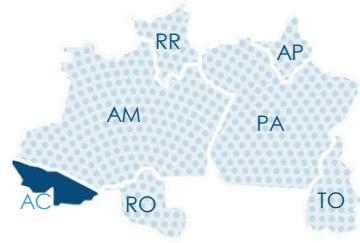


* See notes

7.1 ACRE

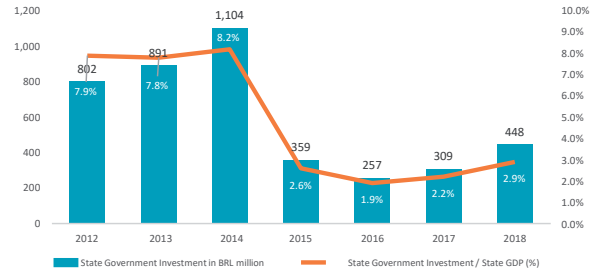


GDP = BRL 15,331 million (2018 data)
 Population = 869,265 inhabitants
 GDP per capita = BRL 17,637 in 2018



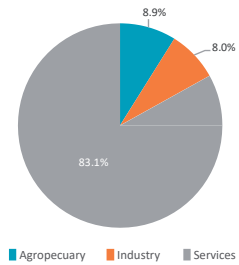
Annual investment and annual investment/GDP Acre

Source: Own elaboration based on data from IBGE and the National Treasury



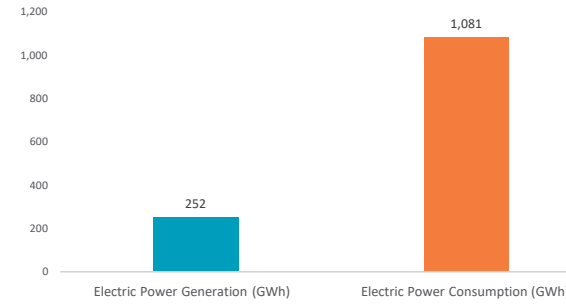
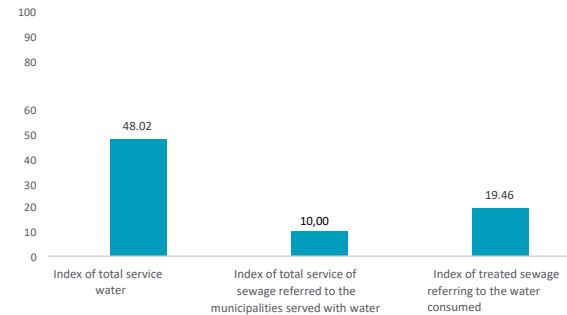
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



Sanitation - Water, sewage collection and treatment service (%)

Source: Own preparation based on SNIS data from the Ministry of Regional Development - 2019 data

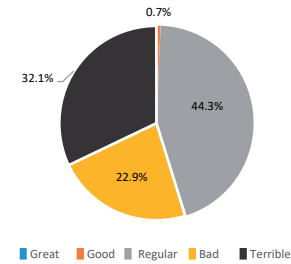


Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data

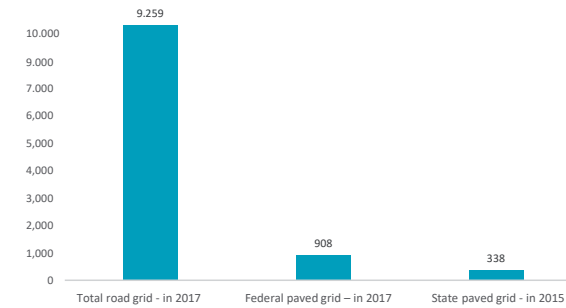
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the state of Acre

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Universalization of water supply and sanitation in Acre *	Actual phase						

Source: SEINFRA – State Secretariat for Infrastructure – Government of Acre

* Studies prepared by BNDES. The project awaits definitions between the State Government and the City Hall of Rio Branco.

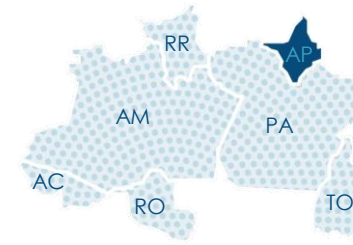
Project: Universalization of water supply and sanitation in Acre

Estimated investments: BRL 1,287,000,000.00

Project contracting form: Concession

Project description: Concession of water and sewage services for a period of 35 years, in which water coverage must reach 98% in 5 years and sanitary sewage of 95% in 12 years.

Description of the project's importance to the State: With low rates of service in water supply services (approximately 65%) and less than 20% in sanitary sewage, DEPASA currently faces operational, financial difficulties and little investment capacity. The water supply system has a high loss rate, little efficiency in commercial management, absence of actions to combat fraud and various operational problems, which result in high operating costs. Private participation in the pursuit of universal basic sanitation in the State of Acre appears as a possible and necessary alternative. Among the expected benefits, it is possible to cite the establishment of progressive expansion goals for water supply and sanitary sewage services, higher quality of service, greater cost efficiency, resulting in fair and balanced tariffs, and indirect benefits with emphasis on the reduction of health care expenses and elimination of the need for recurrent contributions from the state government to DEPASA (approximately R\$ 60 million per year).

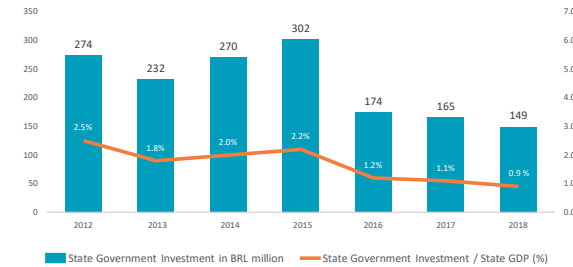


7.2 AMAPA

GDP = BRL 16,795 million (2018 data)

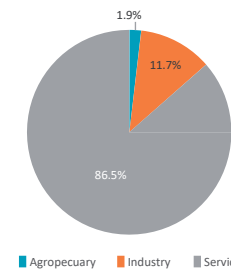
Population = 829,494 inhabitants

GDP per capita = BRL 20,248 in 2018



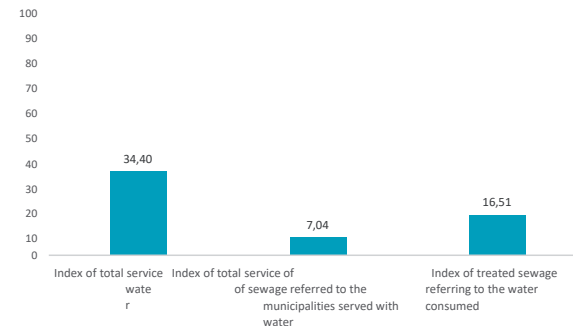
Annual investment and annual investment/ GDP Amapá

Source: Own preparation based on data from IBGE and the National Treasury



Share of sectors in GDP in 2018

Source: Own elaboration based on the IBGE data

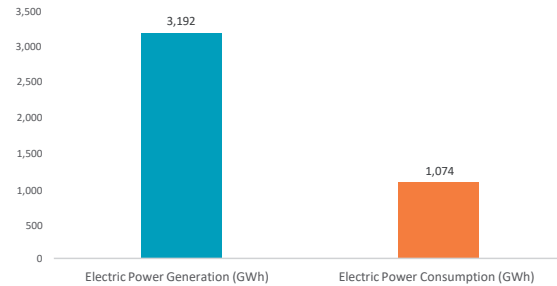


Sanitation - Water, sewage collection and treatment service (%)

based on SNIS data from the Ministry of Regional Development - 2019 data

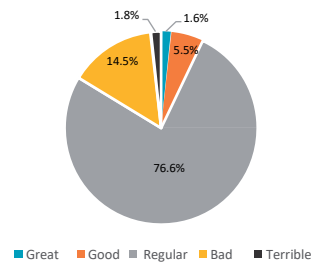
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



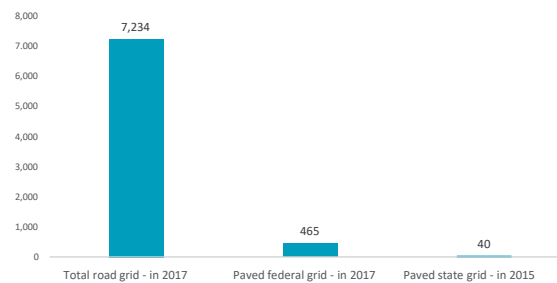
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects in the state of Amapá

MONITORING OF PROJECTS							
Project	Market Prospect	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Universalization of water supply and sanitation in Amapá	✓	✓	✓	✓	✓	✓	Actual phase
Privatization of CEA - Amapá Electricity Company	✓	✓	✓	✓	✓	✓	Actual phase
PPP Solid Waste	✓	Actual phase					

Source: SEPLAN - Planning Secretariat. Government of the State of Amapá

Project: Universalization of water supply and sanitation in Amapá

Estimated investments: BRL 4,810,016,000.00

Project contracting form: Concession

Project Description: The concession aims to universalize water by 2033 and sewage by 2039.

Description importance of the project for the State: The project is important for the improvement of water supply, sewage collection and treatment indicators in the 16 municipalities of Amapá.

Auction Result: Winning Consortium Equatorial Participações e Investimentos III and SAM Ambiental e Engenharia.

Project: Privatization of CEA - Amapá Electricity Company

Estimated investments: BRL 2,000,000,050.00

Project contracting form: Privatization

Project description: Concession of the distribution associated with the transfer of the shareholding control of the state company.

Importance of the Project for the State: Energy security; revitalization of the energy system with new investments; improvement of the State's fiscal issue.

Auction Result: Equatorial Participações e Investimentos

Project: PPP Solid Waste

Estimated investments: Under study

Contracting project form: PPP

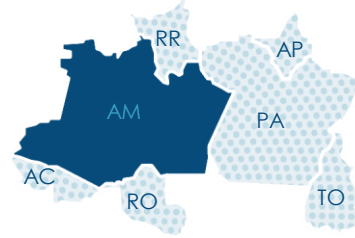
Project Description: The project aims at delegating to the private partner the service of collection, treatment and final disposal of solid waste in the 16 municipalities of the State.

Importance of the Project for the State: In addition to urban solid waste, the State has the challenge of improving the correct destination of waste left mainly by the fishing industry.

7.3 AMAZONAS

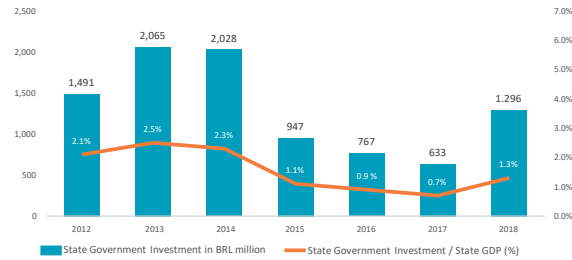


GDP = BRL 100,109 million (2018 data)
 Population = 4,080,611 inhabitants
 GDP per capita = BRL 24,533 in 2018



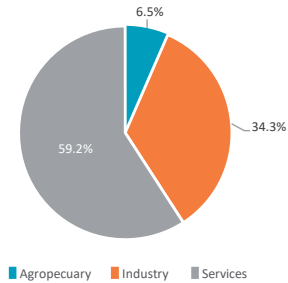
Annual investment and annual investment/GDP Amazonas

Source: Own elaboration based on data from IBGE and the National Treasury



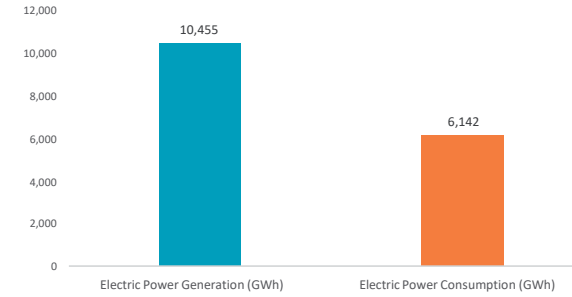
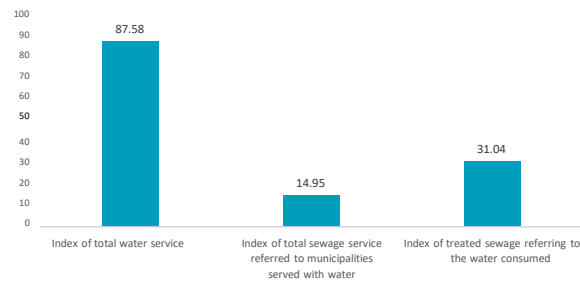
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.

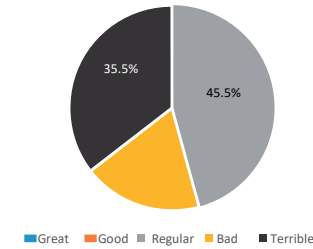


Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on the EPE data

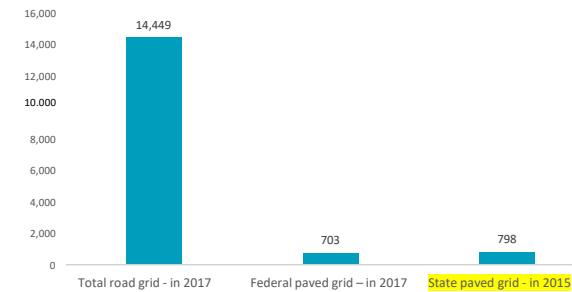
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Amazonas State Projects

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Highways AM - 010 and AM-070	Actual phase						
PPP - Crematoria	Actual phase						
Detran AM in Iranduba and New Bus Station in Manaus	Actual phase						
Air Club in Iranduba	✓	Actual phase					
Complexo de Eventos do Amazonas	Actual phase						
Citizen's Rapid Response Program - PAC	Actual phase						
Chain Raimundo Vidal Pessoa	✓	Actual phase					
PPP - Aerodromes	✓	Actual phase					

Source: SEDECTI - State Secretariat for Economic Development, Science, Technology and Innovation - and SEINFRA - Secretariat of Infrastructure and Metropolitan Region of Manaus.

Project: Highways AM-010 and AM-070

Estimated investments: R\$ 85,000,000.00

Project contracting method: PPP

Project description: AM-010 is a highway that connects the municipalities of Manaus, Rio Preto da Eva and Itacoatiara. Counting 269 kilometers, it started to be built in the 1950s and benefits around 1.9 million inhabitants between the three cities. The Amazonas State government is currently working on the modernization of the highway and in the next few years will duplicate critical stretches in order to improve traffic and make the flow of agricultural production possible. AM-070, also known as the Manoel Urbano Highway, is 93 kilometers long, has 3 bridges, among them the Jornalista Phelippe Daou Bridge, connecting the cities of Manaus, Iranduba, and Manacapuru. AM-070 is fundamental in the integration of the Metropolitan Region of Manaus and the duplication along its 78.14 km is one of the goals of the Secretariat of Infrastructure and Metropolitan Region of Manaus, guaranteeing the development and reduction of socioeconomic problems in the regions interconnected with the Amazonian capital. The State's plan is to deliver 100 kilometers of highways in 2021, and all 250 kilometers of AM-010 by the end of 2022. The goal for the AM-070 highway is to deliver the duplication of the Manuel Urbano Highway by the end of 2021.

The public-private partnership proposal aims at the administration and maintenance of the highways by a private company that, in order to finance the costs of these activities and also obtain profits, may implement tolls on the roads.

The concessionaire that wins the bidding process will have the obligation to maintain good traffic conditions and administer the highway with first aid services, tower cranes and telephones distributed along the highway for emergency calls, guaranteeing an improvement in services for the Amazonian population.

Importance of the Project for the State: The maintenance of the highways is necessary to provide several benefits, such as: safe bus stops in the branches; improvements in the intersections between the branches and the highway;

occasional additions of a third track; improvement in the flow of production and transport of goods; better traffic conditions; containment of slopes and slopes; greater safety in the transport of cargo and passengers; improvement of critical sections in curves, inclines and slopes; improvement of the drainage system, with expansion in non-existent sections; and integration of communities and municipalities in its extension.

This seeks to ensure the safety of users through a quality infrastructure that contributes to the well-being of the population. By improving traffic conditions, it is possible to reduce the risk of accidents and provide safe and comfortable transportation for both the population and cargo.

These highways house industries of the Industrial Pole of Manaus, in addition to having several segments of agribusiness such as farmers, ranchers and fish farmers who need to drain their production, as well as being an access point to numerous ecotourism points, which guarantees them traffic intense car traffic on a daily basis.

Project: PPP - Crematoriums

Estimated investments: R\$ 4,500,000.00

Project contracting method: PPP

Project description: The state of Amazonas does not have a crematorium and is experiencing evident population growth, the demographic increase carries with it a greater cycle of births and deaths. Based on this assumption, we have a growing demand for areas and options for the disposal of bodies when deaths occur. Therefore, we have to take into account the creation of options or alternatives that aim to meet these demands in a viable and economical way.

Description of the project's importance: The state of Amazonas would benefit from the implementation of the first crematorium. We can see advantages in the fact that the state of Amazonas does not have a crematorium and because it has easy access to GN (Natural Gas), which makes the project more efficient, less polluting and more profitable compared to LPG (Liquefied Petroleum Gas).

The experiences lived in a large part of the Brazilian localities that opted for this solution proved to be deficient when managed by the government.

The public-private partnership will be through the concession of a crematorium for the private company to carry out the administration at affordable prices to the Amazonian population. The private company should offer services such as a flower shop, cafeteria, ecumenical chapel.

Project: Detran AM in Iranduba and New Bus station in Manaus

Estimated investments: BRL 45,000,000.00

Project contracting form: Under study

Project description: The purpose of the proposal to change the facilities of the Vehicle Steering Complex of Detran, which is currently located at Av. Architect Henrique B. Rodrigue in Manaus for the municipality of Iranduba is to improve urban mobility in the vicinity and adjacent regions that currently concentrate a large cluster of transport and boost the economy in Iranduba and in the nearby municipalities. On the above referenced site of the now extinct Detran's Driving License Complex would be installed the Manaus Bus Station, which is currently located on Av. Djalma Batista, 40 - Flores, Manaus.

Importance of the Project for the State: The construction of a new bus station is necessary because there is no more room for expansion of the terminals. The change from the bus station to the Complexo do Detran will provide speed in urban mobility in the capital of Amazonas. In addition to a more modern bus station and integrated with the transport system of Manaus.

The Detran's Vehicle Steering complex being relocated in the municipality of Iranduba would cover a larger number of people and reduce the waiting time for exams, as currently all municipalities in the interior of the state of Amazonas await monthly visits to carry out both driving and driving tests legislation. In addition to Iranduba, the municipalities of Manacapuru and Novo Airão would benefit directly from the fact of proximity. Together, the 3 municipalities have an absolute population of 1,953,645 inhabitants. The new bus station in Manaus would be more centralized to its target audience and with the completion of the construction of the South and East Ring Roads that interconnect various points of the city to the installation of the Bus Station, it would be essentially the best solution for urban mobility in the city.

Project: Aeroclub in Iranduba

Estimated investments: R\$ 35,000,000.00

Project contracting method: PPP

Project Description: Transfer of the Aeroclub from Manaus to the municipality of Iranduba, aiming at better access to the aeroclub, stimulating economic growth and greater attractiveness for the region.

Importance of the Project for the State: An average of 14,000 takeoffs and landings take place at the Aerodrome of Flores per year. The School of Pilots and Parachuting also offers courses using equipment such as flight simulators and small planes. The transfer of the aerodrome from the location will allow compliance with all the rules of ANAC – National Civil Aviation Agency and have dimensions similar to those of the current aerodrome. It should receive all small models and also serve as the headquarters for the Skydiving and Ultralight School, as well as to serve the students of the Pilots school. The move will help reduce traffic in the Parque das Laranjeiras neighborhood in Manaus, where the flow of vehicles is intense. With the transfer to Iranduba, in addition to the ease of mobilization in the region, it will be possible to increase investments, generating resources and jobs for the Municipality.

Project: Amazonas Events Complex

Estimated investments: BRL 800,000.00

Contracting project form: PPP

Project Description: Transformation of the Arena da Amazônia, the Convention Center of Manaus, Arena Poliesportiva Amadeu Teixeira, and the Vasco Vasques Convention Center into a large event complex in Amazonas so that it can manage globally all the events that will occur in this complex, to coordinate and raise funds in a more effective and efficient way. The concessionaire's main obligations will involve ensuring adequate access, circulation and security conditions for the Complex's facilities.

Importance of the Project for the State: This unification aims not only to provide a complex capable of hosting events, but also to raise the level of service and products offered, through mechanisms to encourage efficient and responsible management of public equipment.

Project: Citizen's Quick Response Program - PAC

Estimated investments: BRL 600,000.00

Contracting project form: PPP

Project Description: The Citizen's Quick Response Program - PAC, was created by Decree No. 18.125, dated September 15, 1997, by initiative of the Government of Amazonas. Its purpose is to concentrate, simplify and streamline the provision of public services to the community. The different units do not necessarily have the same bodies acting in each location, but the arrangement in the city zones seeks to meet large population concentrations to avoid extensive displacement. The first unit of the Citizen's Emergency Care Program was inaugurated in the São José neighborhood, in the east side of the city of Manaus, in 1998. Currently, there are 13 PACs, under the management of the Citizenship Secretariat of SEJUSC, nine of them in the capital and four in the interior of the State (Irlanduba, Itacoatiara, Manacapuru and Parintins). Since 2006, when the services started to be quantified, until March 2018, more than 36 million services were made.

Description of the project's importance for the State: The program is a facilitating agent for the population that concentrates the services of other bodies. Among the bodies that work in the PACs, it is possible to find: Secretary of Work (SETRAB); National Institute for Colonization and Agrarian Reform (INCRA); State Housing Superintendence (SUHAB); Military Service Board; Manaus Waters; Amazonas Energy; Autonomous Water and Sewage Service (SAAE); Civil police; Defender's Office; Procon; IRS; Secretary of Finance (SEFAZ); Municipal Secretariat of Finance and Information Technology (SEMEF); Amazonas State Development Agency (AFEAM); and others. The public-private partnership will be responsible for the administration of the place where the PACs operate. The specialized company will act guaranteeing a high quality service with the organization and dissemination of the services offered. The company would be responsible for the administrative issue of the physical location and the State would act in the functioning of the bodies, seeking a joint action in a safe and agile way.

Project: PPP - Raimundo Vidal Pessoa Chain

Estimated investments: R\$ 14,000,000.00

Project contracting method: PPP

Project description: The objective is to restore the space to its original shape and eventually transform it into a Center for Popular Culture. Prison Raimundo Vidal Pessoa is a Brazilian prison unit located in the center of Manaus. The jail has more than a century of history, since it was inaugurated on March 9, 1907 and was then the city's penitentiary, but started to house only provisional prisoners in 1999, when the Anísio Jobim Penitentiary Complex was inaugurated. Due to the lack of an adequate structure, the chain was definitively deactivated in 2017 and was handed over to the Amazonas Department of Culture. Approved in the PRDA/SUDAM Project Portfolio and awaiting appeal.

Description importance of the project for the State: It will be a cultural space with workshops and training courses for the production of handicrafts, cultural presentations and exhibitions. In view of the strategic location of the building, it is important to use it in a way that pays homage to the local history, considering the rich culture of the State. Access to art by the population can rescue the cultural roots of the Amazonian people. The availability of a permanent space also favors local artists who, from then on, have an environment in which they can exhibit their productions in search of visibility and propagation of the work, influencing other people.

The purpose of the public-private partnership is to manage the place, raising funds in the organization of events and courses.

Project: PPP - Aerodromes

Estimated investments: R\$ 70,000,000.00

Project contracting method: PPP

Project description: Transportation in the state of Amazonas suffers great difficulties due to the territorial conditions of the region. And, in view of the size of the state, displacement in the region often depends exclusively on river transport, which can be delayed by the winding characteristics of the rivers. Through aerodromes, it is possible to integrate the Amazonian population with the metropolitan region, in addition to the outflow of small-scale products and the transportation of valuables. These small airports are also stopping points on long-term trips, making it possible to supply and pick up or drop off more passengers. Approved in the PRDA/SUDAM Project Portfolio and awaiting appeal.

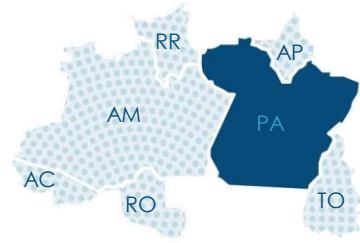
Importance of the Project for the State: Currently, there are ten public aerodromes granted by the State, with plans for new constructions, only one of which is not approved. Aerodromes: Anori, Barcelos, Borba, Caruarí, Eirunepé, Lábrea, Manicoré, Maués, Nova Olinda do Norte and Santo Antônio do Itá. In addition to these, there are private, military and federal aerodromes distributed by the state, however they are not administered by the state government.

The objective is the concession for the administration of the aerodromes by a private company. The State will be responsible for the maintenance of the site, including the floors, equipment, the meteorological station and other items related to its operation. The private company, through the concession, will have the right to manage the activities of the aerodrome, such as collecting airport fees, purchasing basic materials, cleaning and hiring personnel.

7.4 PARA

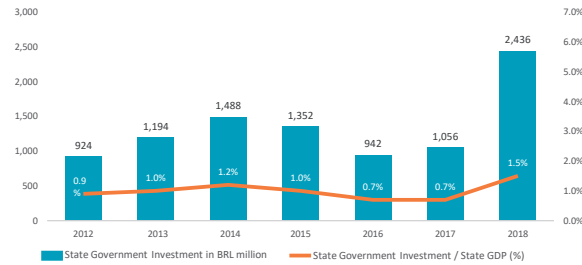


GDP = BRL 161,350 million (2018 data)
 Population = 8,513,497 inhabitants
 GDP per capita = BRL 18,952 in 2018



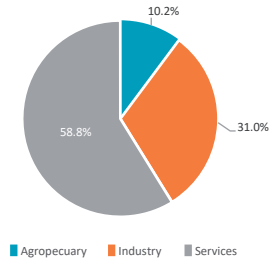
Annual investment and annual investment/Pará GDP

Source: Own elaboration based on data from IBGE and the National Treasury



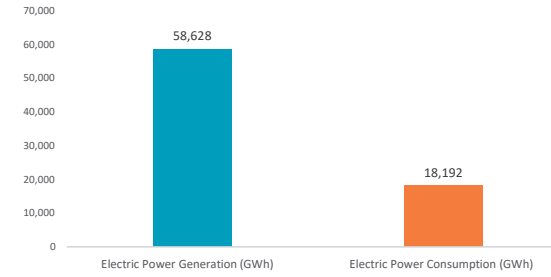
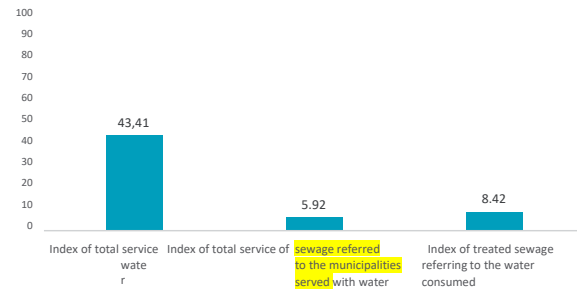
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.

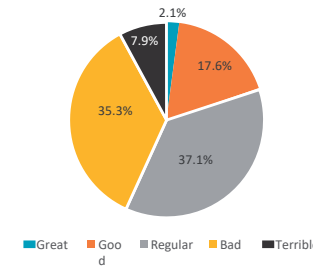


Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on the EPE data

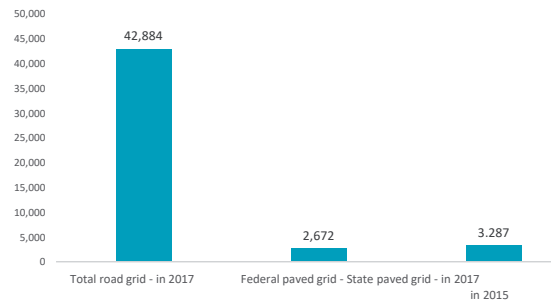
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the state of Pará

MONITORING OF PROJECTS							
Project	Market Prospect	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Pará Railroad	✓	Actual phase					
Solar Energy PPP	✓	Actual phase					
Freedom Highway	✓	Actual phase					
Highway Concession Program	✓	Actual phase					

Source: SEDEME – Secretariat for Economic Development, Mining and Energy and SETRAN – State Transport Department – Government of Pará.

Project: Pará Railroad

Estimated investments: BRL 12,600,000,000.00

Project contracting form: Authorization

Project description: Construction of a railway modal that will connect Bom Jesus do Tocantins to Barcarena, ending at the Port of Vila do Conde.

Description of the project's importance for the State: Implement a new modal that will function as a logistical corridor for the transport of people and cargo in the region. The railroad will make the State more competitive and attractive for the installation of new industrial and agricultural projects, by reducing logistical costs and will bring these products closer to international ports using the Port of Vila do Conde. Finally, it will develop the surroundings of the regions where the superstructure passes and will facilitate the locomotion of passengers.

Project: Solar Energy PPP

Estimated investments: Under study

Project contracting method: PPP

Project Description: Construction and operation of 5 solar plants of 1MWp each to supply the consumption of state schools

Importance of the Project for the State: Reduce, zero the cost of energy in state public schools and later expand to other public buildings.

Project: Freedom Highway

Estimated Investments: Under study

Project Contracting Form:

Project Description: Greenfield freeway project. The highway under study will link Belém to Alça Viária.

Importance of the Project for the State: Facilitate the flow of motor vehicles with an expressway, as it will create a new flow route parallel to the BR-316. It is expected to reduce logistics costs, reduce accidents and increase the comfort of users traveling in the region

Project: Highway Concession Program

Estimated investments: Under study

Project contracting form: Under study

Project Description: Study for the concession of road sections. The program provides for a total concession of 524.8 km for the private sector.

It includes the following sections: Highway PA-150 (junction BR-222 - junction PA-263) (junction PA-263 - junction PA - 475/256), Highway PA-475 (junction PA-256 - junction PA -252), Highway PA-252 (junction PA-475 – junction PA-151/152), Highway PA-151 (junction PA-252 – junction PA-483), Alça Viária de Belém, PA-483 (Porto Vila do Conde – junction PA -151)(PA-151 trunking – BR-386/010 trunking).

7.4.1 Projects of the Municipality of Belém

MONITORING OF PROJECTS							
Project	Market Prospect	Feasibility Study/Technical	Modeling/Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Public Lighting PPP in Belém	✓	✓	✓	✓	✓	✓	Signed contract

Source: Belem City Hall

Project: Public Lighting PPP in Belém

Estimated investments: R\$ 161,000,000.00

Project contracting method: PPP

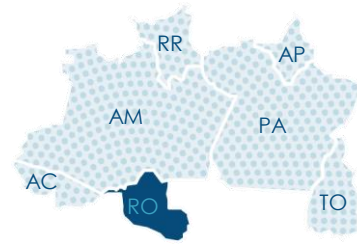
Project Description: The objective of the PPP is to modernize the more than 90 thousand points of the Public Lighting Park in Belém. The project provides for an estimated OPEX of R\$ 108 million.

Auction: Winner: Luz Belém II Consortium. Comprised of the companies Conasa Infraestrutura, Zetta Infraestrutura e Participações and Ello Serviços, Obras e Participações.

7.5 RONDÔNIA

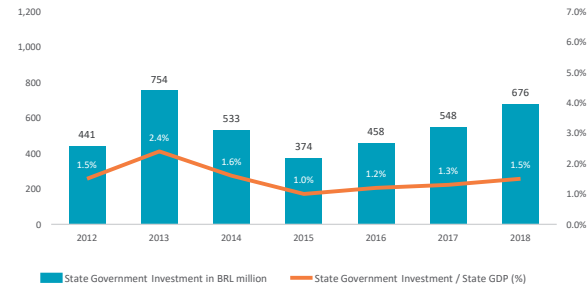


GDP = BRL 44,914 million (2018 data)
 Population = 1,757,589 inhabitants
 GDP per capita = BRL 25,554 in 2018



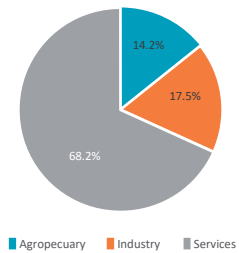
Annual investment and annual investment/Rondônia GDP

Source: Own elaboration based on data from IBGE and the National Treasury



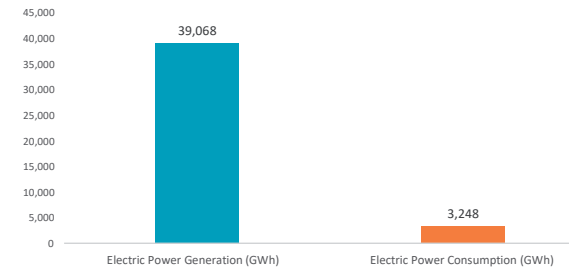
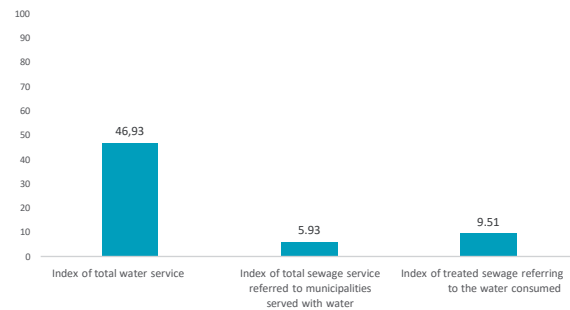
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.

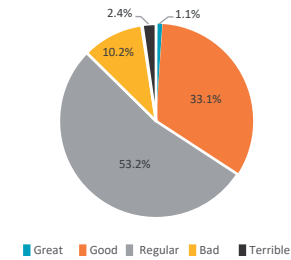


Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on the EPE data

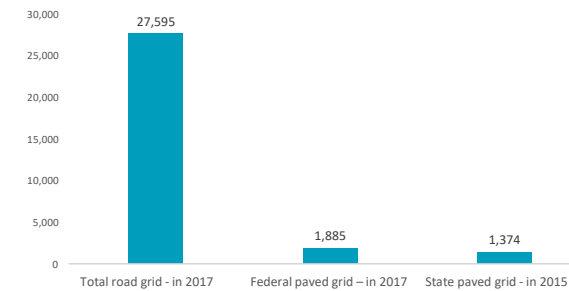
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the state of Rondônia

MONITORING OF PROJECTS							
Project	Market Prospect	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Universalization of water supply and sanitation in Rondônia	✓	Actual phase					
INFOVIA		Actual phase					
CEASA of Rondônia		Actual phase					
Construction of the PGE Headquarters (Prosecutor General's Office of the State of Rondônia)		Actual phase					

Source: SEDI – Superintendence for Economic Development and Infrastructure – Government of Rondônia.

Project: Universalization of water supply and sanitation in Rondônia

Estimated investments: Under study

Project contracting form: Concession Sponsored

Project Description: Sanitation concession in Rondônia. The project is in the process of signing the contract with BNDES to carry out feasibility studies.

Importance of the Project for the State: This project will fulfill the basic sanitation goals established in Law nº 14.026/2020, improving the sanitary conditions of the population of the State.

Project: INFOVIA

Estimated investments: Under study

Contracting project form: PPP

Project Description: Infovia is an optical communication network infrastructure created to serve the government agencies of Rondônia in the 52 municipalities of the state. The project is in the analysis phase of the PMI studies launched by the State/SETIC.

Importance of the Project for the State: The project will interconnect all State agencies in a data transmission network, with more security and speed. The project is important for the management of state agencies, and for the economic development of the State of Rondônia.

Project: CEASA of Rondônia

Estimated investments: Under study

Project Description: The project is important to improve product distribution logistics in the region.

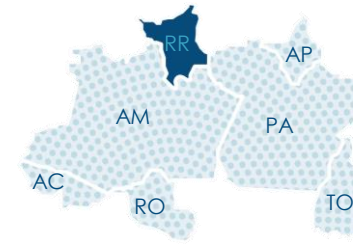
Importance of the Project for the State: Considering the geographic situation of the State of Rondônia, the center of South America, it is essential to create a warehouse for the distribution of products to all the surroundings of the of region, reducing the cost of products, as well as improving transport logistics.

Project: Construction of the PGE Headquarters (Prosecutor General's Office of the State of Rondônia)

Estimated investments: Under study

Contracting project form: PPP

Project Description: The work aims to adapt the spaces of the CPA, adjusting an unfinished work next to the central building, improving the quality of the services provided by the attorney.

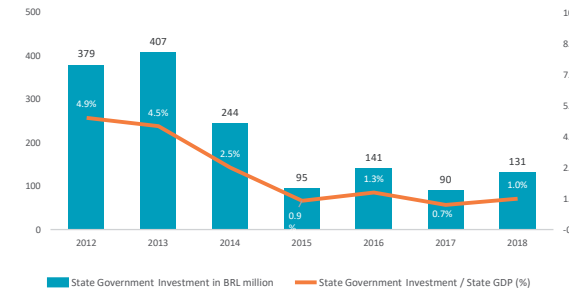


7.6 RORAIMA

GDP = BRL 13,370 million (2018 data)

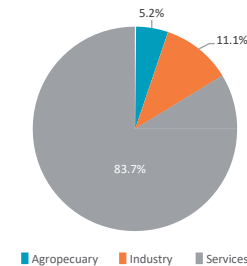
Population = 576,568 inhabitants

GDP per capita = BRL 23,189 in 2018



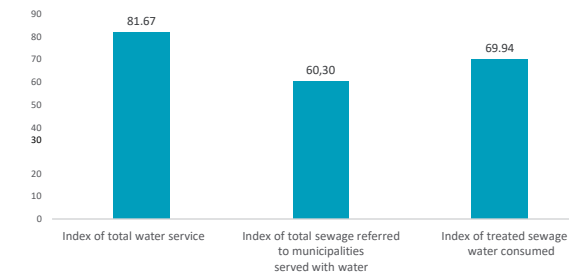
Annual investment and annual investment/ GDP Roraima

Source: Own preparation based on data from IBGE and the National Treasury



Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data

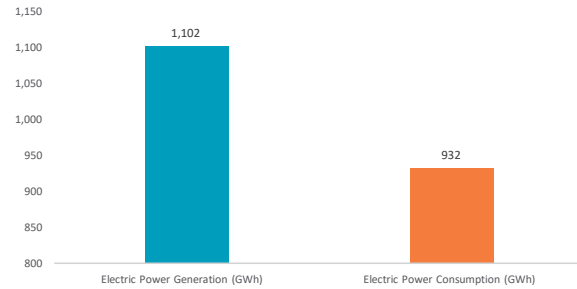


Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.

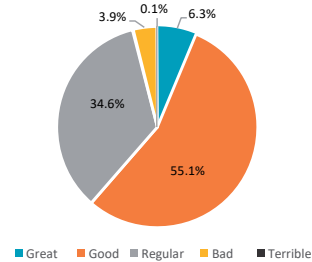
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



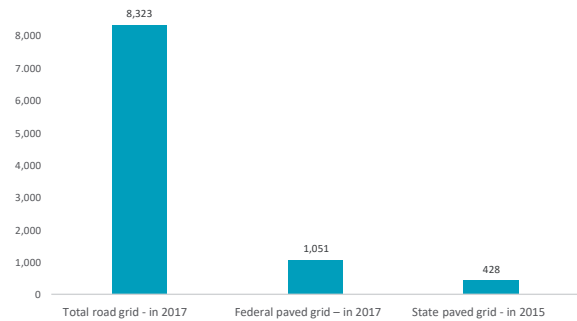
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the state of Roraima

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Brazil-Guyana Development Corridor	Actual phase						

Source: SEINF - Secretariat of State for Infrastructure.

Project: Brazil-Guyana Development Corridor

Estimated investments: BRL 2,000,000,000.00

Project contracting form: PPP, privatization. Concession to private investors with the participation of the Guyana Investment Agency

Project Description: The project consists of a development corridor linking the State of Roraima to Guyana through: 1. Road of 500 km. 2. Deep water port 3. Virtual natural gas pipeline (iso container) 4. Optical fiber cable.

Importance of the Project for the State: The project will make the State of Roraima the most competitive in Brazil in terms of agricultural production, in addition to providing clean energy (gas) at a competitive price, saving millions not only for CCCR, but also for private generators, in addition to being able to supply most of the isolated systems in the North. The project has a saving potential for Roraima of R\$ 300 million per year and a saving potential for Brazil of R\$ 2 billion.

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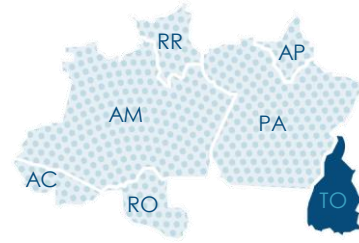
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7.7 TOCANTINS

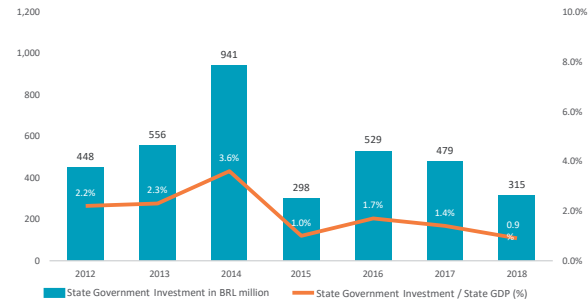


GDP = BRL 35,666 million (2018 data)
 Population = 1,555,229 inhabitants
 GDP per capita = BRL 22,933 in 2018



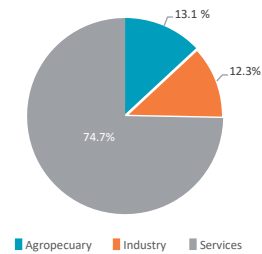
Annual investment and annual investment / Tocantins GDP

Source: Own elaboration based on data from IBGE and the National Treasury



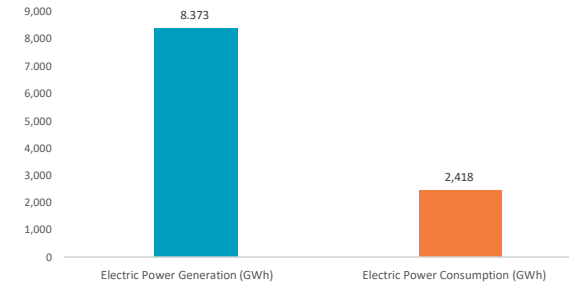
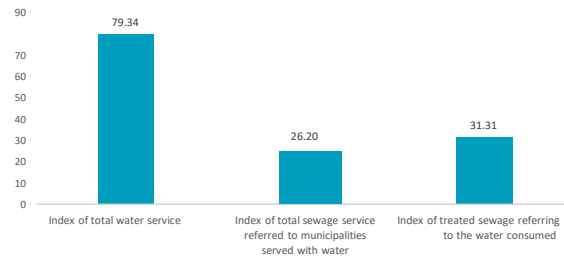
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.

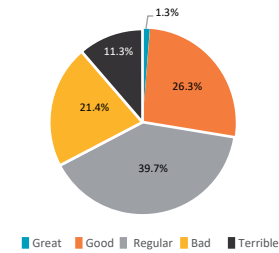


Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data

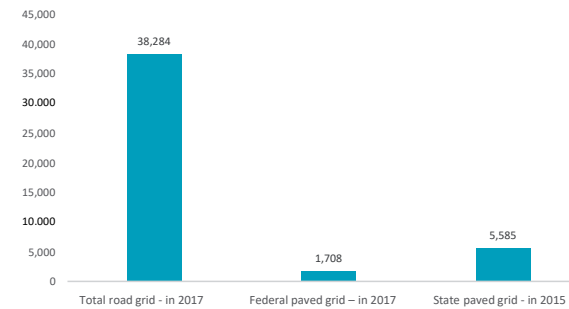
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the state of Tocantins

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Photovoltaic Power Plants	✓	✓	Actual phase				
State highway concession	✓	✓	Actual phase				
Concession of Tourist Services in the Jalapão State Park	✓	✓	Actual phase				
Construction and operation of Prison Units	✓	✓	Actual phase				
Structuring and modernization of the Tocantins Supply Center - CEASA	✓	Actual phase					
TocantinsNet - State Broadband Network	✓	✓	Actual phase				
Technological Park of Tocantins	✓	Actual phase					
Agrotechnological Park	✓	Actual phase					
Command and Control Integrated Center - CICC	✓	Actual phase					
Irrigated Agricultural Perimeters of the State of Tocantins	✓	Actual phase					
Solid Waste Treatment	✓	✓	Actual phase				
Implementation of Government Datacenter	✓	Actual phase					
Concession of Tocantins bus terminals	✓	✓	Actual phase				
State Marina	✓	✓	Actual phase				
Tocantins State Lottery	✓	✓	Actual phase				
Administration Offices	✓	✓	Actual phase				
Hospital Care Network - Maternal - Children's Hospital	✓	✓	Actual phase				

Source: Secretariat of Partnerships and Investments – Government of Tocantins

Project: Photovoltaic Power Generation Plants

Estimated investments: Under study

Project contracting form: Administrative concession - PPP

Project Description: The Government of Tocantins is a large consumer of electricity, so the photovoltaic energy market for medium and large consumers is increasingly viable. For this, projects will be developed that serve specific public sectors until the full service of government structures is reached. The State also seeks to promote new businesses within Tocantins related to the photovoltaic sector. In addition, the project will generate clean, safe and renewable solar energy to meet the needs of the State, with sustainable development being prioritized, with alternatives that stimulate economic growth, which have little or no environmental impact.

Importance of the Project for the State: Solar energy can contribute considerably to reducing the carbon emission rates of various activities, and its use has been growing throughout the planet, currently being considered a renewable, sustainable energy source with many advantages over others. sources such as low maintenance costs and a long service life. Contribute to alleviate the energy crisis due to water scarcity; Reduce the financial cost of the State Executive Power's electricity bills.

Project: State highway concession

Estimated investments: Under study

Project contracting form: Joint concession

Project description: To promote the concession of strategic highways in the State of Tocantins, leveraging the improvement of the existing infrastructure and services to users. The highways listed as strategic are:

- TO-050: Palmas/Porto Nacional - 58,70 Km section
- TO-010: Palmas/Miracema/Miranorte - 108 Km section
- TO-030: Palmas/Taquaruçu/Santa Tereza - 67 Km section
- TO-080: Palmas/Paraíso do Tocantins - 74,70 Km section
- TO-455: Junction TO-255/TO-080 - 71 Km section
- TO-355: Colinas/Entroncamento TO-010 - 60 Km section
- TO-222: Araguaína/Filadélfia - 107 Km section
- TO-500: Ilha do Bananal Crossing - 94 Km section

Importance of the Project for the State: Increased safety and comfort for users of state highways; Improved logistics for the outflow of the crop; Reduction of road maintenance costs; Increase in revenues for the State and Municipalities and economic development; Promote the permanent conservation of the road network granted; Make new services available to users.

Project: Concession of Tourist Services in Jalapão State Park

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: The Parque Estadual do Jalapão (Jalapão State Park - PEJ) was created by State Law 1.203 of January 12, 2001 with the objective of preserving the biological diversity and natural resources contained in the Cerrado Biome mosaic, characteristic of the Jalapão region. The project aims to protect the local fauna and flora, as well as the Tocantins watershed, providing the means and incentives to implement tourism activities, environmental education, scientific research and environmental monitoring.

Importance of the Project for the State: To enhance the generation of employment and income in the surroundings of the parks, especially for the local population; Enable investments that could not be borne by the State Public Administration; Structuring of new public and private infrastructure equipment; Promote the improvement of services provided in the parks; Boost the economy and contribute to increasing tax collection through opportunities and the emergence of new businesses related to the provision of services to tourism; Expand the community's performance in the process of sustainable tourism; New leisure and tourism options for the population of Tocantins; To materialize the alliance between biodiversity conservation and sustainable development. Environmental gains in the conservation aspects of parks and restoration of degraded areas; to reduce public spending on the management and maintenance of the Park.

Project: Construction and operation of Prison Units

Estimated investments: Under study

Project contracting form: Administrative concession - PPP

Project Description: Construction, requalification, operation and maintenance of one or more prisons capable of housing 2,000 prisoners, aiming to improve the prison system in Tocantins, offering dignified conditions to prisoners, with the possibility of their effective rehabilitation. Studies already approved at the Tocantins PPI Partnership and Investment Council meeting on 05/28/2020, according to Resolution No. 05/2020 and confirmed by Decree No. 6,123/2020.

Importance of the Project for the State: Greater security for the population; Safer and more modern prison system, preventing escapes and rebellions; Blocking of radio frequency signals; Saving public resources with private investment to generate new vacancies; Greater State control over the prison population; Savings in the operation with the optimization of the work of the servers through the use of modern and optimized projects; Ensuring compliance with Human Rights norms; Offer of formal and professionalizing work; Better working conditions and safety for public agents; Greater security for the surrounding population.

Project: Structuring and modernization of the Tocantins Supply Center - CEASA

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: To structure and modernize Ceasa in a strategic location and connected to the São João irrigation project, in order to expand the food supply market at regional and national levels.

Importance of the Project for the State: The administrative modernization and professionalization of Ceasa require constant investments in a timely manner, following the dynamics that the market demands. Thus, today it is necessary to increase investments in Ceasa so that it can offer the demanded services with high quality. Also, due to its strategic and central position, Palmas can offer the market excellent logistics to become a major supply center not only for Tocantins but for the entire region.

Project: TocantinsNet - State Broadband Network

Estimated investments: Under study

Contracting project form: PPP

Project Description: TocantinsNet will provide the data, voice, image and video transport service or digital infovia by the Government of the State of Tocantins. It is a project that makes it possible in practice to modernize public management in the State of Tocantins, through the implementation of a high-speed, scalable, manageable, secure and available digital connectivity network infrastructure for the use of schools, hospitals, police stations, universities, inspection posts, state parks and all state administrative units, in addition to being able to associate convergent projects with this infrastructure, such as: integrated command and control center, datacenters, telemedicine, voip-based telephony services, electronic monitoring, among others.

Importance of the Project for the State: Promote and disseminate the use and supply of ICT goods and services in the administrative units of the state executive power in the 139 municipalities of the State; Increase efficiency and effectiveness in the delivery of services to the population, enabling digital inclusion and the offering of new computerized services and new types of interaction with the population, private entities, government entities and universities; Increase the availability of distance training for the training of teachers, health professionals and other public servants; Reduce proportional monthly public expenditures on telecommunications services with the provision of faster Internet communication bands in government units; Enable the provision of services based on high-speed telecommunication convergent to the infrastructure implemented in the areas of telemedicine, integration of electronic medical records for all Tocantins served by the SUS, videoconferences, distance education, VOIP (Voice Over IP Service), video audience for the penal system, tele surveillance and integrated electronic monitoring for the areas of public security in the fight against crime and in the reprimand of illicit activities, interconnected weather stations, data centers for processing and storing large volumes of data, an integrated command and control center, among others. other diverse technological opportunities; Increase the provision of Internet services to the citizens of Tocantins and the business community, especially where operators still do not arrive with quality and collaborate with the economic strengthening of the municipalities; Strengthen the institutional presence of the State Government in the municipalities with the expansion of electronic government services and facilitating the use of state services by citizens, such as: health, education, security, culture, economy; Increase the State's capacity for innovation, technological autonomy and competitiveness; Providing free Internet in public areas enabling universal access.

Project: Tocantins Technological Park

Estimated investments: Under study

Project contracting form: Under study

Project Description: The Tocantins Technological Park will be a center for science, technology and innovation, inducing business and technological development and a new urban center for the municipality. By definition, the enterprise falls under the category of technological and business park, with the functional objective of promoting synergy between companies and knowledge-intensive entities and offering real estate, infrastructure and services of excellence to support innovation and business. The total area of the Park is 424,278.89 m², of which 218,732.29 m² is the area without environmental restrictions, destined exclusively for the urban planning works of the enterprise. Thus, eliminating the paved roads, circulation areas and APM lot, the Park has 75 lots that total 104,773.31 m² divided into different sizes and segments.

Importance of the Project for the State: To promote the attraction of new technology-based companies, diversifying the economic production of the state and forming an innovation ecosystem; Increase the generation of direct jobs and qualify the worker's income by offering services with better remuneration; Create a new urban center with integrated spaces for work, leisure and the environment, business, services and a new concept of small-space housing integrated into the work environment; To promote an environment with a high degree of stimulus to entrepreneurship and the development of the culture of the young entrepreneur; Establish a talent development hub with professionals in quantity and quality and with an entrepreneurial profile in line with the challenges of making strategic sectors viable and for the formation of a solid innovation ecosystem; Increased availability of areas for new ventures and financial resources to promote innovation; Stimulate a dynamic that favors a high degree of interaction between institutions and companies, resulting in technology transfer, as well as being a place of integration of the State's technological assets.

Project: Agrotechnological Park

Estimated investments: Under study

Project contracting form: Under study

Project Description: The Park is located in the municipality of Palmas and today is the headquarters of the largest agribusiness event in the northern region of the country, and one of the largest in Brazil, called AGROTINS. In 2019, AGROTINS handled more than 2.5 billion reais in business. The project aims to modernize the entire area of the Park, developing new events and businesses.

Importance of the Project to the State: The Parque agrotecnológico (agrotechnological park) has a large area, with a great location, with paved access infrastructure and several pavilions built, besides areas for animal exhibitions and field research. However, it still needs investments in improvements and modernization. The area, in addition to promoting a large nationally renowned fair, has the potential for activities throughout the year, allowing the generation of new business and economic movement.

Project: Integrated Command and Control Center - CICC

Estimated investments: Under study

Project contracting form: Administrative Concession

Project description: Construction, implementation and maintenance of an Integrated Command and Control Center (CICC) that will be responsible for accommodating employees from different public and private institutions, taking advantage of technological resources in order to make decisions in an agile, integrated and efficient manner, through legal and economic arrangements that promote the participation of the private sector.

Importance of the Project for the State: Greater coverage of public security actions in real time; Strengthening actions for the prevention and investigation of robberies, robberies and crimes; Faster and more efficient responses to citizens in the event of accidents and risks to their safety; Strengthen the fight against organized crime; Increase efficiency in solving crimes; Integration and intelligence training of the Public Security forces Greater efficiency in the use of human and material resources in the areas of security and traffic.

Project: Irrigated Agricultural Perimeters of the State of Tocantins

Estimated investments: Under study

Project contracting form: Concession

Project Description: To perform a partnership with the private sector for the administration and development of irrigated agricultural projects that already exist and are currently managed by the State. Attract investments and expertise from the private sector in their management. Currently, agricultural enterprises are producing below potential capacity, as there is a lack of entrepreneurial dynamics in the process of governance and business development.

Importance of the Project for the State: To promote the reduction of food prices by increasing the supply; Contribute to the environment by improving water management and use; Reduce public spending; Increase State revenue; Collaborate with the economic strengthening of municipalities; Collaboration in meeting the goals of the United Nations (UN) Sustainable Development Goals (SDGs).

Project: Treatment of Solid Waste

Estimated investments: Under study

Project contracting form: Under study

Project Description: To encourage the formation of municipal consortia for the implementation, management and operation of treatment of solid waste units.

Importance of the Project for the State: Preservation of the environment; Adequate disposal of solid waste; Support municipalities in complying with legal obligations; Reduce costs due to the increase in volume that generates the viability of solid waste treatment; Better use of public areas.

Project: Datacenter implementation Governmental

Estimated investments: Under study

Project contracting form: Under study

Project description: Construction and operation of Government Datacenters that can meet the need for centralized data storage and processing from the State and other public and private institutions.

Importance of the Project for the State: At the governmental level, the Datacenter must meet typical e-government demands, including internal administration, tax collection, operation of citizen service centers, distance education, telemedicine, cloud computing and storage and analysis of big data.

Project: Concession of Tocantins bus terminals

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: The concession will be divided into terminal blocks in order to make the management and attractiveness of the market viable. To this end, the partnership and investment process will be modeled prioritizing the creation of lots that enable the development of the market. The creation of terminals with modern and innovative concepts that add diverse services and new urban centers is also sought in cities with greater economic viability. Approved at the Tocantins PPI Partnership and Investment Council meeting on 05/28/2020, according to Resolution No. 05/2020 and confirmed by Decree No. 6,123/2020.

Importance of the Project for the State: To offer users and workers of intercity public transport, terminals with good conditions of comfort and safety; Facilitate the movement of people and orders between the municipalities of Tocantins; Reduce public investments in the sector; Increase State revenue; Collaborate with the economic strengthening of municipalities; Strengthening the institutional presence of the State Government in the municipalities.

Project: State Harbour

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Promote public-private partnerships for the construction, maintenance and management of a harbour

in Lake Palmas that can offer comfort, safety, maintenance services, environmental protection, commerce and leisure to direct and indirect users of nautical vessels.

Importance of the Project for the State: Economic development through the dynamization and multiple use of Lake Palmas and tourism; Provide security, regularization and diversification of services to nautical users; Have an environment and infrastructure that is always preserved and attract new ventures to the State; Enable investments that could not be borne by the State Public Administration; Enable the creation of new sources of revenue for the State; Better use of public areas.

Project: Lottery of the State of Tocantins

Estimated investments: Under study

Project contracting form: Concession

Project Description: The project for the implementation of a State Lottery is focused on exploring the modalities provided for in the Brazilian standard - Raffle of Numbers, Instant and Sports Betting, with physical and online bets being able to be explored. The model studied for the implementation and operation of the Lottery in Tocantins is the Concession, where the State has a share in a percentage of the gross operating revenue, allocating these resources to meet sports, educational and recreational projects.

Importance of the Project for the State: Enhance the generation of employment and income in the 139 municipalities of Tocantins; Enable investments that could not be borne by the State Public Administration; Boost the economy and contribute to the emergence of new businesses related to the provision of lottery services; Regulate and combat illegal betting, respecting the premises of legal and responsible gambling; Generate more sources of public revenue without increasing taxes; Retain in Tocantins and boost the financial resources involved in sports betting; Fund development, sports, educational and recreational projects.

Project: Administrative Centers

Estimated investments: Under study

Project contracting form: Administrative concession - PPP

Project Description: The Government of Tocantins is currently seeking greater efficiency and agility in serving the population, and also seeks a significant saving of resources, with the elimination of rent and building maintenance expenses. And having in mind, mainly, the creation of a modern administrative center with ergonomic and adequate tables, thermal comfort of the environments, efficient chairs and furniture, computers and modern equipment to speed up the services provided.

Importance of the Project for the State: Improvement in the services provided by the State Government to the population; Reduction of public costs with leasing and building maintenance; Having an environment and infrastructure that is always preserved, bringing greater comfort to the server and the citizen; Enable investments that could not be borne by the State Public Administration; Integrate services.

Project: Hospital Care Network - Hospital Materno - Infantil (Maternal - Children's Hospital)

Estimated investments: Under study

Project contracting form: Administrative concession - PPP

Project Description: The implementation of a Hospital Materno – Infantil (Maternal - Children's Hospital) in the city of Palmas is a necessity for the care of the population of Tocantins, as there is still no integrated service with these characteristics in the State of Tocantins. Management expects the HMI to be a reference for high-risk pregnancies for the Center-South macro-region and a reference for the entire state in pediatric care of greater severity. This service will have a completely new and modern structure, with 100% digital service, generating greater comfort for the whole family.

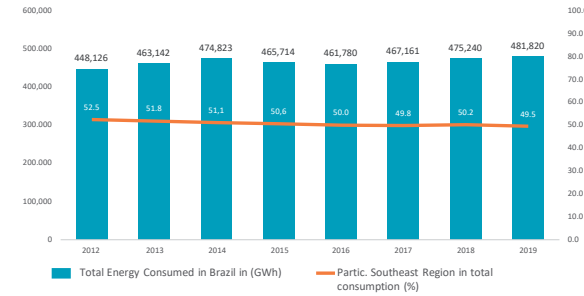
Importance of the Project for the State: Improvement of hospital health services provided by the State Government to the population; Optimization of the public resources involved, maximizing efficiency gains for the public power and for the user; Establish a new quality paradigm in the provision of medical and hospital services in the State of Tocantins; Reduction of public costs and increase of private investments; Offer health services in the delivery, birth and pediatrics component to the population of Tocantins in an integrated infrastructure, without the need for the user to travel; To be a reference for serious cases in pediatrics for the entire state; Provide access to health care for the population in an adequate infrastructure.



REGION
SOUTHEAST

8. SOUTHEAST REGION

Southeast Region GDP = BRL 3,721 billion (2018 data) (53.1% of Brazilian GDP)
Population of the Southeast Region = 87,711,946 inhabitants (42.0% of Brazil) (in 2018)
GDP per capita = BRL 42,427 in 2018

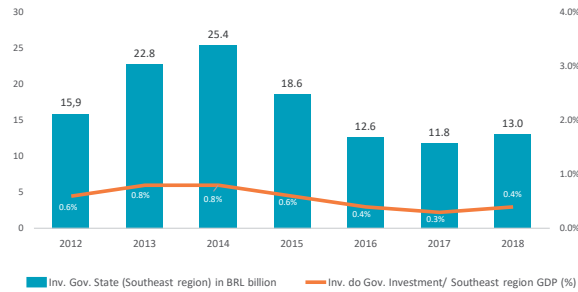


Electric Power - Total energy consumed in Brazil and share of consumption in the Southeast region (GWh)

Source: Own elaboration based on the EPE data

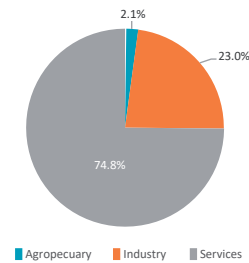
Investments in state governments in the Southeast region and investments in state governments / GDP of the region

Source: Own preparation based on data from IBGE and the National Treasury



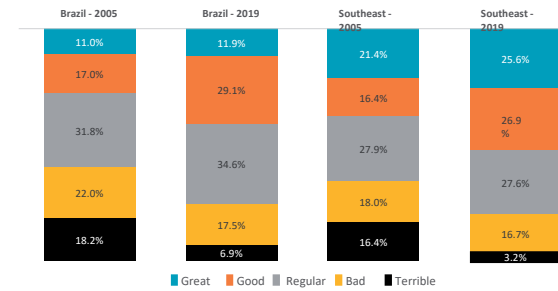
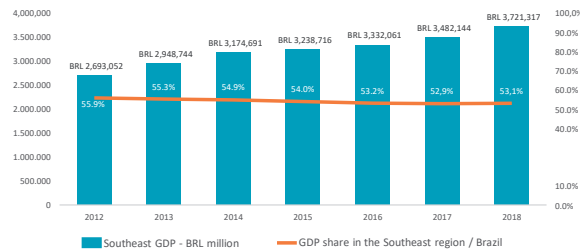
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



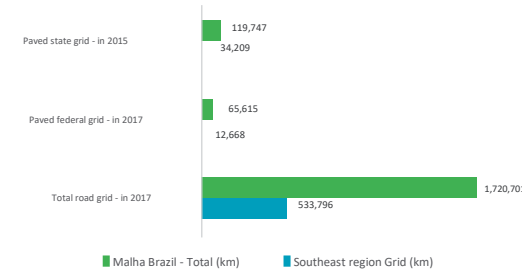
GDP of the Southeast region and % share of the GDP of the Southeast region in Brazil's GDP

Source: Own elaboration based on the



Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



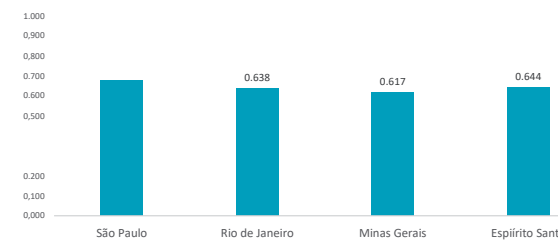
Transport - Highways - Brazilian and Southeast Road Grid (km)

Source: Own elaboration based on the the CNT data

Solid Waste - Urban cleaning sustainability index - ISLU * 2020 - average by State

Source: Own elaboration based on data from Selurb and PwC

* See notes



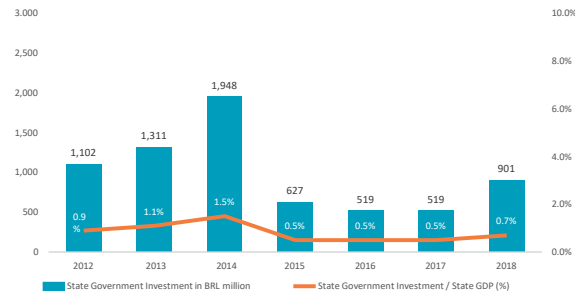
8.1 ESPÍRITO SANTO



GDP = BRL 137,020 million (2018 data)
 Population = 3,972,388 inhabitants
 GDP per capita = BRL 34,493 in 2018

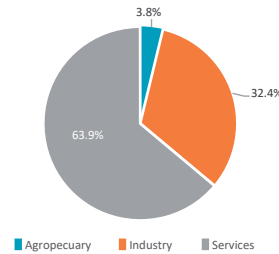
Annual investment and annual investment / Espírito Santo GDP

Source: Own preparation based on data from IBGE and the National Treasury



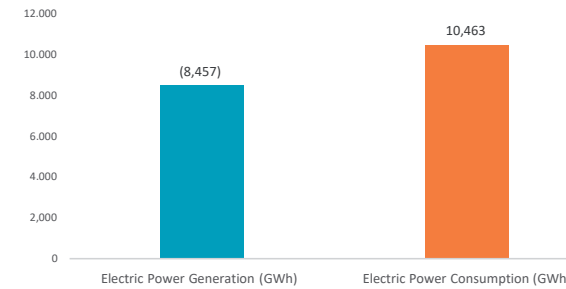
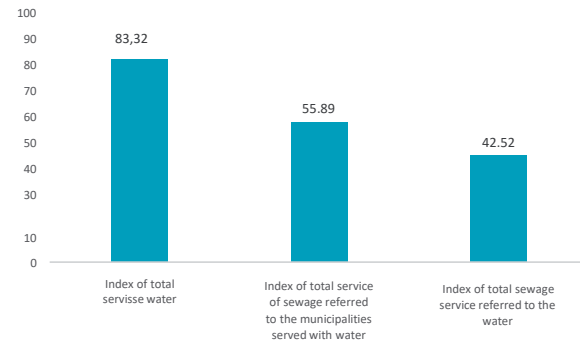
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



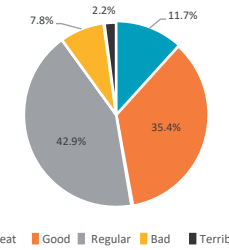
Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.



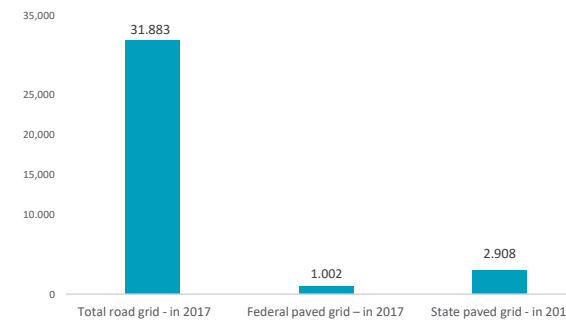
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.

Projects in the State of Espírito Santo

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/Techn ical	Modeling/St ructuring	C. Public/ Public	Notice	Bidding	Signature of the Contract
Project: PPP Sanitary Sewage in Cariacica and Viana	✓	✓	✓	✓	✓	✓	Contractual performance
Reuse water for industrial purposes	✓	✓	✓	Actual phase			
Solar Mini Power Plants	✓	✓	Actual phase				
Health Logistics	Actual phase						
Prison Food Services	✓	✓	Actual phase				
Arena Multiuso Carapina	✓	✓	Actual phase				
Lottery Capixaba - Loteca	Actual phase						
Solid Waste North of the State	✓	✓	Actual phase				
Metropolit an Terminals	✓	✓	Actual phase				
Light Vehicle on the Rail	✓	✓	Actual phase				

Source: PPPs Unit – Government of Espírito Santo

Project: PPP Sanitary Sewage in Cariacica and Viana

Estimated investments: BRL 580.000.000,00

Contracting project form: PPP

Project Description: Expansion, maintenance and operation of the sanitary sewage system in the municipality of Cariacica throughout the remaining urban municipal area without a collection network.

Importance of the Project for the State: Through this contractual instrument, the universalization of sanitary sewage treatment (95%) is sought in up to 10 years, in the municipality, with significant impacts on the health of the population and on the environment. More than that, throughout this contract, the metropolitan region of Grande Vitória will achieve universal coverage of basic sanitation (water and sewage treatment).

Auction Result: AEGEA Sanitation

Project: Reuse water for industrial purposes

Estimated investments: BRL 122,000,000.00

Project contracting method: Sub-concession

Project Description: Construction of a Sewage Treatment Station with capacity to produce up to 200 l/s; Construction of Raw Sewage Pumping Station and Booster Network; Deactivation and landfill of the ponds of the Camburi Treatment Station.

Importance of the Project for the State: The project is important for facing new water crises and for a more sustainable environment.

Project: Solar Mini Power Plants

Estimated investments: Under study

Project contracting form: Administrative concession

Project Description: Construction, operation, maintenance and management of solar mini power plants to meet the energy demand of the bodies of the Direct Administration of the State of Espírito Santo.

Importance of the Project for the State: With the concession of mini solar power plants, the Government intends, in addition to promoting the diversification of the State's energy matrix, to reduce energy costs in the bodies of the Direct Administration and encourage energy self-sufficiency.

Project: Logistics in Health

Estimated investments: Under study

Project contracting form: Administrative concession

Project Description: Implementation, modernization, operation and maintenance in the public supply logistics network in the area of hospital and pharmaceutical care within the scope of the State Health Department. PMI Forecast for 4th quarter 21.

Importance of the Project for the State: The expansion and modernization of the integrated health logistics system for medicines and pharmaceutical and hospital supplies will expand and qualify the supply of medicines and supplies services, aiming at universal and integral access to medicines, with qualified, integral and humanized for the population of Espírito Santo.

Project: Prison Food Services

Estimated investments: Under study

Project contracting form: Administrative concession

Project Description: Concession for the management and operation of prison food services, with construction and maintenance of industrial kitchens in Viana. It contemplates the supply of food to 80% of the prison population in the State.

Importance of the Project for the State: The project aims at food quality, cost reduction for the state administration, environmental sustainability, innovation and professional qualification of inmates and their reintegration into the job market.

Project: Arena Multiuso Carapina

Estimated investments: Concession of use

Project contracting method: BRL20,000,000.00

Project Description: Concession of the Parque Estadual Agropecuário Floriano Varejão (Floriano Varejão State Agricultural Park - ARENA MULTIUSO) area, with the purpose of commercial exploitation, contemplating the renovation, modernization, operation and maintenance, providing quality improvements to the services provided.

Importance of the Project for the State: Reduction of State funding, densification of the chain of events, modernization of the property, improvement of competitiveness, attractiveness, occupancy rate and profitability of the equipment, improvement in the level of management, with strategies to capture of events, aiming at the promotion of local tourism and the promotion and attraction of new medium and large events for the State.

Project: Capixaba Lottery - Loteca

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Concession of operational activities inherent to the exploitation of lottery games and similar games, including lottery games through physical and digital means, of the public lottery service. The LOTECA concession shall include the provision of innovative solutions, such as: game management software, as well as services and complete management of the technological environment necessary for the operations of the modalities of the lotteries granted. PMI Forecast for 4th quarter 21.

Importance of the Project for the State: The financial result of the exploitation of lottery games will be applied in programs directly managed by the State Government for the promotion of culture, sports, leisure and tourism, according to percentages established in the legislation.

Project: Solid Waste North of the State

Estimated investments: BRL 60.000.000,00

Project contracting form: Administrative Concession

Project Description: Implementation and operation of the regional system for the proper final disposal of solid urban waste in the North Region of Espírito Santo.

Description of the project's importance for the State: In order to correctly dispose of 100% of the waste generated and eradicate irregular disposal, in 2008 the State Government launched the "Espírito Santo sem Lixão" Program. As part of this Program, the Regional System to be implemented in this project corresponds to the Northern region of the State and is constituted under the Public Consortium for Treatment and Adequate Final Disposal of Solid Waste in the North Region of the State of Espírito Santo - CONORTE.

Project: Metropolitan Terminals

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Construction, implementation, management, commercial operation, maintenance, recovery, conservation, modernization and operation of the Urban Integration Terminals in the Greater Vitória Metropolitan Region, as well as the execution of works in the surroundings of the Integration Terminals.

Importance of the Project for the State: The main advantage of the initiative is the improvement of urban mobility in the Grande Vitória Metropolitan Region.

Project: Light Vehicle on the Rail

Estimated investments: Under study

Project contracting form: Concession Sponsored

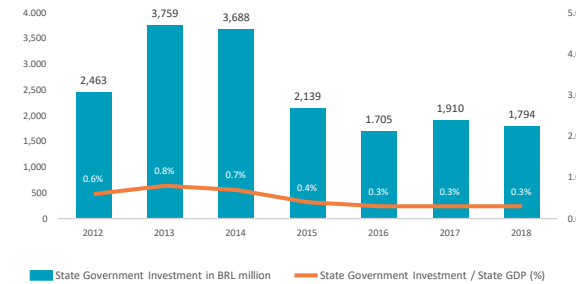
Project Description: Implementation of an urban rail modal, comprising its implementation, management, operation and maintenance of a public passenger transport system, through low carbon, more sustainable and efficient technology with rolling stock on rails, interconnecting the municipalities of Serra and Vitória.

Importance of the Project for the State: The main advantage of the initiative is the improvement of urban mobility in the Grande Vitória Metropolitan Region.



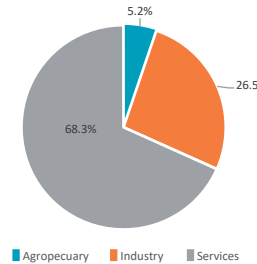
8.2 MINAS GERAIS

GDP = BRL 614,876 million (2018 data)
Population = 21,040,662 inhabitants
GDP per capita = BRL 29,223 in 2018



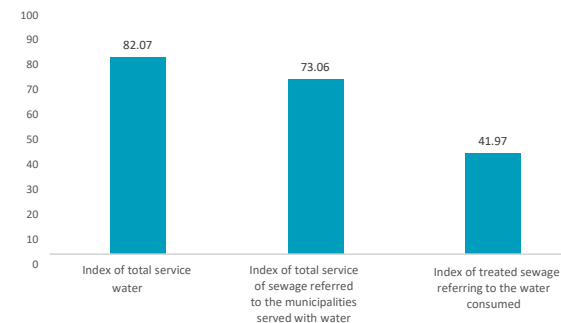
Annual investment and annual investment / Minas Gerais GDP

Source: Own preparation based on data from IBGE and the National Treasury



Share of sectors in GDP in 2018

Source: Own elaboration based on the IBGE data

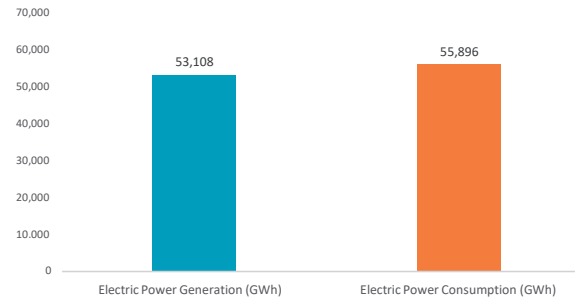


Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.

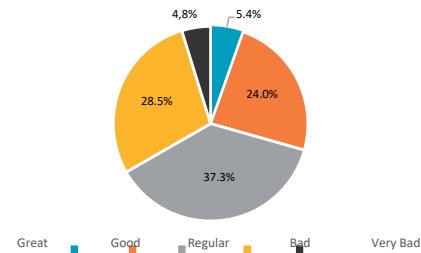
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



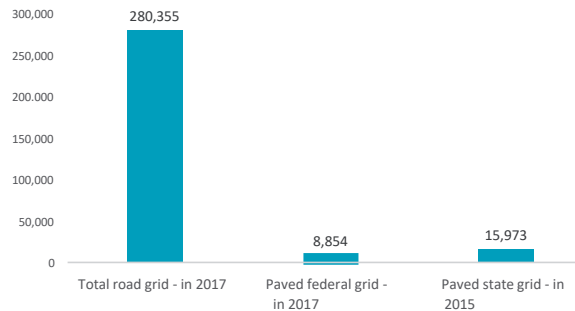
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the State of Minas Gerais

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/ Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Highway Concession Program (7 lots)	✓	✓	✓	Triângulo Mineiro, Sul de Minas and Ouro Preto Lots			
Rodoanel of the Metropolitan Region of Belo Horizonte	✓	✓	✓	Actual phase			
Concession of the Terminal Rodoviário Governador Israel Pinheiro - Tergip	✓	✓	✓	Actual phase			
Belo Horizonte Subway (project on the PPI)	✓	Actual phase					
Pampulha Airport	✓	✓	✓	✓	✓	✓	Actual phase
PARC – Concessão de Parques Estaduais	✓	Actual phase					Lund Route: under concession
Socio-educational PPP	✓	Actual phase					

Source: SEINFRA - State Secretariat for Infrastructure and Mobility - Government of Minas Gerais.

Project: Highway Concessions Program (7 lots)

Estimated investments: BRL 11.000.000.000,00

Project contracting form: Concession and PPP

Project Description: With approximately 3 thousand kilometers of extension, the project foresees the concession of seven road lots, with a duration of 25 to 30 years.

Includes the lots: Triângulo Mineiro (627.1 km) (BRL 1.9 billion); Sul de Minas (466.4 km) (BRL 1.5 billion) Varginha –

Furnas (438.2 km); São João Del Rei (487.4 km); Itapecerica – Lagoa da Prata (448 km); Perdões-Patos de Minas

(267 km) Ouro Preto (190 km) (BRL 1.89 billion)

Studies for modeling three lots have already started, with the support of BNDES (Triângulo Mineiro and Pouso Alegre-Itajubá) and BDMG/BID (Ouro Preto-Brumadinho). Consultations and Public Hearings have already been carried out regarding the Triângulo Mineiro, Sul de Minas and Ouro Preto lots. The expectation is that the notices for batches 1, 2, 3, 4 and Ouro Preto will be released by the end of 2021.

Importance of the Project for the State: The project is expected to generate more than 205 thousand direct and indirect jobs, boosting regional development in the State, benefiting more than 100 municipalities, which represent about 30% of the GDP of Minas Gerais, impacting 5 million people.

Project: Rodoanel - Metropolitan Region of Belo Horizonte

Estimated investments: BRL 5.600.000.000,00

Contracting project form: PPP

Project Description: Construction, maintenance and operation of the Rodoanel of the Metropolitan Region of Belo Horizonte.

Importance of the Project for the State: The State Secretariat for Infrastructure and Mobility (Seinfra), with support from the Movimento Brasil Competitivo (MBC), has been developing feasibility studies and modeling the concession for the construction, maintenance and operation of the Rodoanel of the Region Metropolitan of Belo Horizonte. With a direct impact on 15 municipalities, the Rodoanel will be an efficient logistics corridor, capable of connecting important regions of the country, through the BR-381, BR-040 and BR-262 highways, providing security and fluidity to commercial traffic. Review of studies after the first round of Public Consultation and Hearings.

Project: Ginásio do Mineirinho

Estimated investments: BRL 41,136,591.00

Project contracting method: Concession

Project description: Inaugurated in 1980, the Estádio Jornalista Felipe Drummond, better known as Mineirinho, is a multisport gym with a capacity for 25 thousand people and a built area of 91 thousand m² in Belo Horizonte. With the concession of Mineirinho, it is expected to transform it into a multifunctional equipment, geared to cultural, entertainment, sport and leisure activities. Public bidding session, followed by the opening of the qualification documents of the best ranked bidder on 12/02/2021, at B3's headquarters.

Importance of the Project for the State: In addition to improvements and modernization of the Stadium structure, in order to provide better quality of service and safety to the population, the Mineirinho concession will provide a reduction in public spending on the management of sports equipment, as well as a revitalization of this part of the Pampulha region

Concession of the Terminal Rodoviário Governador Israel Pinheiro - Tergip

Estimated investments: Under study

Project contracting form: Concession

Project Description: It is expected with the concession of TERGIP, located in the central region of Belo Horizonte, the feasibility of a direct connection with the Lagoinha subway station, the increase of commercial space, the planning for the transformation of the site into a terminal connection of metropolitan lines and the preservation of space for the future implementation of line 03 of the Belo Horizonte subway, connecting TERGIP to the Savassi region.

Project's importance for the State: Because it is located in the central area of Belo Horizonte, TERGIP is essential for the interconnection of road and metropolitan transport with the subway. In addition to the embarkation and disembarkation of passengers, the space of more than 45 thousand m² also houses a shopping center, with food services, banks and post office. The terminal handles an average of 40,000 people daily and serves 230 bus lines in operation.

Project: Belo Horizonte Subway

Estimated investments: BRL 3,700,000,000.00

Project contracting method: Concession

Project Description: The Minas Gerais Department of Infrastructure and Mobility monitors the development of studies for the concession of lines 1 and 2 of the RMBH subway by the Federal Government and BNDES. The main objective of the Belo Horizonte Subway concession project is to grant the private sector the provision of train services in the Metropolitan Region of Belo Horizonte, made possible by the privatization of the company.

The initiative associates the sale of the federal public company to the concession of services by the state, with the granting of the improvement, expansion, construction and operation of the subway in the capital of Minas Gerais, in a study structured by BNDES. The scope of the project encompasses the modernization and expansion of Line 1 and the conclusion of the construction of Line 2, as well as the operation of the services, in a 30-year partnership contract.

Importance of the Project for the State: Line 1 of the Belo Horizonte subway connects Contagem, in the Metropolitan Region, to the capital of Minas Gerais in 28.1 kilometers and 19 stations for passengers. The interventions foreseen in the concession involve investments for improvements and greater operational efficiency, through the renovation of stations, purchase of new trains equipped with air conditioning and several technological updates, resulting in an improvement in the quality of the service provided to the population, more comfort, accessibility, security and greater

regularity in travel. Additionally, Line 1 will be extended to Novo Eldorado Station, in Contagem (MG), adding approximately 1 kilometer to the extension of the line.

In addition, with the construction of line 2, approximately 10 kilometers long and seven stations, connecting Barreiro to Line 1 at Nova Switzerland station.

With this, the objective is for the Minas Gerais population to have a better quality of life and less time spent traveling, with greater security and regularity and maintenance of the same current tariff structure.

Project: Pampulha Airport

Estimated investments: BRL 150,290,000.00

Project contracting method: Concession

Project Description: Concession of the airport site for a period of 30 years, for the exploration, mainly, of activities focused on executive aviation. It is expected that, with the concession, the Airport will become the largest airport dedicated to business aviation in Brazil. The operational gain from the expansion of investments in airport infrastructure and services will directly benefit airport users and have the potential to attract new business in the region.

Projects importance for the State: Pampulha Airport has the potential to operate in line with the operations of Confins Airport, recently qualified as an industrial airport, in addition to bringing development to the North of Belo Horizonte, due to its strategic location.

Auction: Winner: CCR Group

Project: PARC – Concessão de Parques Estaduais

Estimated investments: BRL 150.000.000,00

Project contracting form: Concession

Project description: PARC's objective is to develop and implement models of partnerships and environmental concessions for the improvement and diversification of tourist services offered in state Conservation Units (UCs), in order to guarantee the sustainable use of existing economic potentials, promote greater efficiency in the management and conservation of biodiversity, in addition to generating social and economic benefits for the surroundings. The concession of Rota das Grutas Peter Lund was carried out and the Minas Gerais State Forestry Institute signed a contract with BNDES to structure the concession modeling of 7 state parks, whose studies are in progress: Parque Estadual do Rio Doce (Rio Doce State Park); Parque Estadual do Itacolomi (Itacolomi State Park); Parque Estadual da Serra do Rola Moça (Serra do Rola Moça State Park); Parque Estadual do Ibitipoca (Ibitipoca State Park); Parque Estadual do Rio Preto (Rio Preto State Park); Parque Estadual do Biribiri (Biribiri State Park); Parque Estadual do Pico do Itambé (Pico do Itambé State Park).

Importance of the Project for the State: From the concession of the parks, with more resources and more appropriate visitation management, these locations will fulfill relevant objectives for the municipalities in which they are located, such as maintaining the microclimate, consolidating a leisure location aimed at the well-being of the population and the opportunity for visitors to have a more solid environmental education when they get to know and experience the region's biodiversity.

Project: Socioeducational PPP

Estimated investments: Under study

Project contracting method: PPP

Project Description: Socioeducational PPP project, in partnership with SEJUSP, and with resources from an agreement with the Ministry of Women, Family and Human Rights. Project developed by FEP-CAIXA, in partnership with UNOPS (UN).

Importance of the Project for the State: Minas Gerais and Santa Catarina will be protagonists in the construction of the first PPPs of units of the Socio-Educational System in Brazil, with resources from the Ministry of Women, Family and Human Rights, and the expertise of the project office (UNOPS) of the UN for the construction of social infrastructure projects in project modeling. The main objective is to create a new modality of structure for the provision and management of vacancies, which configures a replicable model for other subnational entities.

8.3 RIO DE JANEIRO



GDP = BRL 758,859 million (2018 data)
 Population = 17,159,960 inhabitants
 GDP per capita = BRL 44,223 in 2018

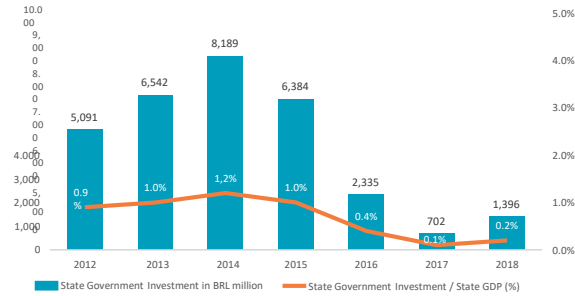


Annual investment and annual investment /

Rio de Janeiro GDP

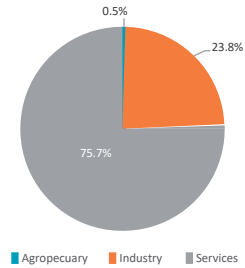
in the data of the IBGE and the National Treasury

Source: Own preparation



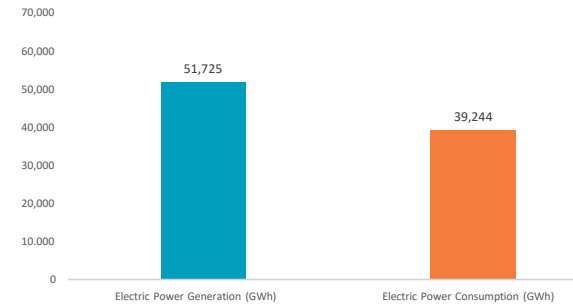
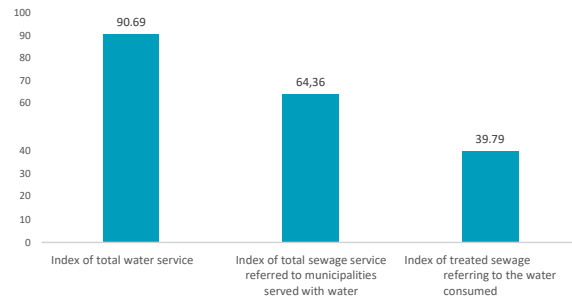
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



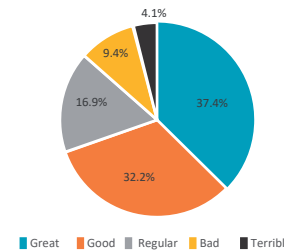
Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development.



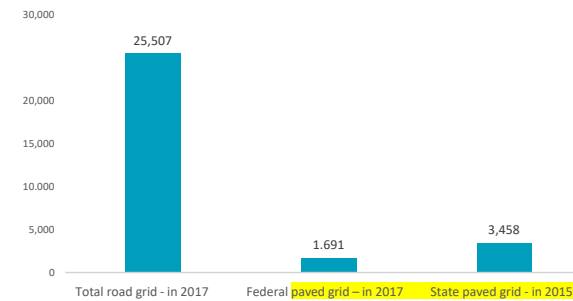
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on the EPE data



Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.

Projects of the State of Rio de Janeiro

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/Technical	Modeling/Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Bus station Concessions - Açú Port	✓	✓	✓	Actual phase			
Bus station Concessions - Northwest Axis	✓	✓	✓	Actual phase			
Bus station Concessions - Lot 2	✓	Actual phase					
Project: Uruguiana Market - Urban requalification of the Surroundings of the Uruguiana Subway Station	Actual phase						
Santa Teresa Trams	Actual phase						
Energy Efficiency	Actual phase						
Concession of water supply and sanitary sewage - CEDAE	✓	✓	✓	✓	✓	Current phase Block 3	Current phase Blocks 1,2,4 signed contract

Source: Undersecretariat for Concessions and Partnerships. Secretariat of Planning and Management – Government of the State of Rio de Janeiro.

Project: Highway Concessions - Açú Port

Estimated investments: BRL 550.000.000,00

Project contracting form: Joint concession

Project Description: Concession for the implementation, operation and maintenance of RJ-244, 43 km of extension. **Importance of the Project for the State:** The project consists of the implementation of RJ-244, a road logistics corridor established by State Decree No. 45.678/2016, between BR-101, in Campos dos Goytacazes, and RJ-240, in access to the Porto do Açú and the Industrial District of São João da Barra. Its construction will guarantee adequate and integrated access of the port complex to the federal and state grids and security and predictability in the movement of people and cargo, in addition to providing growth in the socio-economic and tourism sectors in the North Fluminense Region of the State of Rio de Janeiro.

Highway Concessions - Northwest Axis

Estimated investments: BRL 640.000.000,00

Project contracting form: Joint concession

Project Description: Concession for the recovery, operation and maintenance of 195.5 km of the state highways RJ-122, RJ-158, RJ-160 and RJ-186.

Importance of the Project for the State: The project covers investments in highways identified in the Strategic Logistics and Cargo Plan for the State of Rio de Janeiro (PELC 2045), which cross municipalities in the Metropolitan (2), North (2) and Northwest (5) regions of the State, and that will provide adequate and integrated access to the federal and state grids, guaranteeing security and predictability in the movement of people and cargo.

Project: Highway Concessions - Lot 2 Estimated

Investments: BRL 4,000,000,000.00 **Contracting form:**

Common Concession

Project Description: Concession for the implantation, extension, recovery, operation and maintenance of 516.1 km of the state highways RJ-127, RJ-145, RJ-155, RJ-106, RJ-162, RJ-104, RJ-071, RJ-081 and RJ-103.

Importance of the Project for the State: The project covers investments in highways identified in the Strategic Logistics and Cargo Plan for the State of Rio de Janeiro (PELC 2045), which run through municipalities in the Metropolitan (12), Center-South (3), Middle- Paraíba (6), Green Coast (1) and Coastal Lowlands (8) of the State, and which will provide improvements in the urban mobility of the metropolis, in addition to adequate and integrated access to the federal and state grids, ensuring safety and predictability in the movement of people and cargo.

Project: Uruguiana Market - Urban requalification of the Surroundings of the Uruguiana Subway Station

Estimated investments: BRL 300.000.000,00

Project contracting form: Under study

Project Description: Concession to carry out urban upgrading works and services, accommodation of the existing commercial activities around the Uruguiana subway station and boosting the region as a gastronomic, housing and service hub.

Importance of the Project for the State: The project reinforces the central position of the subway station, promoting permanent public planning and the safety of visitors in the region and reactivating the local economy through the organization of commercial and service units, promoting the use of the real estate potential of land over the station based on tools such as land value capture and transport-oriented development.

Project: Santa Teresa Trams Estimated

Investments: BRL 55,000,000.00 **Contracting form:**

Under study

Project Description: Concession for expansion, recovery, operation and maintenance of the tram system linking the region of downtown Rio de Janeiro to the Santa Teresa neighborhood, contemplating integration with the Corcovado Train.

Importance of the Project for the State: The project reinforces the tourist vocation of Rio de Janeiro, integrating two tourist facilities, activating the economy of the Santa Teresa neighborhood by improving mobility and increasing the region's trade.

Project: Energy Efficiency

Estimated investments: Under study

Project contracting form: Under study

Project Description: Concession for the implantation, management, operation and maintenance of a distributed energy generation system to make the energy demand of public school buildings and administrative units of the State Department of Education more efficient.

Importance of the Project for the State: In view of the growing demand for electric energy and the need for environmental responsibility, the promotion of energy efficiency through the implantation of Photovoltaic Solar Power Plants proves to be a viable tool to reduce the cost of electric energy in the State with energy generation clean for the approximately 1,220 consumer units of SEEDUC, whose annual consumption is estimated at 86 GWh, also linked to the fact that it is educational to students, who will have in the State an example of what can be done for sustainability.

Project: Concession of water supply and sanitary sewage

Estimated investments: BRL 33.500.000.000,00

Project contracting form: Concession

Project Description: Regionalized concessions for the implantation, operation and maintenance of infrastructures necessary for the universalization, in the participating municipalities, of water supply and sanitary sewage. **Importance of the Project for the State:** The project is essential for the universalization of basic sanitation in the State and the consequent improvement in the population's quality of life, guaranteeing uninterrupted supply of water, savings in health resources and an increase in the average time spent in school, by preventing the population from suffering from the transmission of numerous waterborne diseases. The investment will also provide improvements in the preservation and recovery of the environment, with the depollution of water bodies, including reduction of pollution in Guanabara Bay, valorization of the urban space, growth of tourism in the region and movement of the local economy, with estimated generation of 28 thousand new jobs. On April 30, 2021, blocks 1, 2 and 4 were bid winner

Block 1: Includes the municipalities: Aperibé, Cachoeiras de Macacu, Cambuci, Cantagalo, Casimiro de Abreu, Cordeiro, Duas Barras, Itaboraí, Itaocara, Magé, Maricá, Miracema, Rio Bonito, Rio de Janeiro (South Zone), São Francisco de Itabapoana, São Gonçalo, São Sebastião do Alto, Saquarema and Tanguá;

Block 2: Includes the municipalities: Miguel Pereira and Paty do Alferes and Rio de Janeiro (Barra and Jacarepaguá);

Block 3: Includes the municipalities: Itaguaí, Paracambi, Pirai, Pinheiral, Rio Claro, Rio de Janeiro (West Zone) and Seropédica;

Block 4: Includes the municipalities: Belford Roxo, Duque de Caxias, Japeri, Mesquita, Nilópolis, Nova Iguaçu, Queimados, Rio de Janeiro (Downtown and North Zone) and São João de Meriti.

Auction: Block 1 – Aegea Consortium winner, Block 2 – Iguá Consortium winner, Block 4 – Aegea Consortium winner. Block 3 - New bidding on 20.12.2021.

8.3.1 Projects of the Municipality of Rio de Janeiro

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/Techn ical	Modeling/St ructuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Parque Olímpico (Olympic Park)	✓	✓	✓	✓	✓	Actual phase	
Digital Ticketing	✓	✓	✓	✓	✓	Actual phase	
Polo Cine Video	✓	✓	✓	✓	✓	Actual phase	
São Cristóvão Pavilion	Actual phase						
Project: Terreirão do Samba	Actual phase						
Project: PPP in Hospitals (non-assistance services)	Actual phase						
PPP Solarium Carioca	✓	✓	✓	Actual phase			
PPP in Schools (non-pedagogical services)	✓	✓	Actual phase				
Parque dos Atletas (Athletes' Park)	✓	✓	Actual phase				

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study/Techn ical	Modeling/St ructuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Natural and Urban Parks	✓	✓	Actual phase				
Barra da Tijuca Waterway	✓	✓	Actual phase				

Source: Special Committee on Strategic Partnerships, of the Municipal Infrastructure Secretariat – City Hall of Rio de Janeiro.

Project: Parque Olímpico (Olympic Park)

Estimated investments: BRL 25.000.000,00

Project contracting form: Concession

Project Description: Concession of Arenas 1 and 2 and the Olympic Tennis Center, in addition to obligations for the renovation and maintenance of some assets in return.

Project: Digital Ticketing

Estimated investments: BRL 100.000.000,00

Project contracting form: Concession

Project Description: Concession of credit management for use in municipal public transport, requiring technological advances including an app and permission to use various cards and eliminate the circulation of money in the system.

Project: Polo Cine Video

Estimated investments: BRL 92.000.000,00

Project contracting form: Concession

Project Description: Concession of a studio rental hub for audiovisual production, with investment obligations to double the supply of studios.

Project: São Cristóvão Pavilion

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for renovations, modernization and management of commercial spaces, maintaining the Northeastern tradition as a highlight of the place

Project: Terreirão do Samba

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for renovations, modernization and management of the entire space, aiming to promote greater use of space, with higher quality for users.

Project: PPP in Hospitals (non-assistance services)

Estimated investments: Under study

Contracting project form: PPP

Project Description: Structuring administrative PPPs for modernization and renovation of hospitals in the municipal network, and management of non-care services

Project: PPP Solário Carioca

Estimated investments: BRL 25,000,000.00

Project contracting method: PPP

Project Description: PPP for structuring a 5MW solar plant in a deactivated sanitary landfill via distributed mini-generation.

Project: PPP in Schools (non-pedagogical services)

Estimated investments: Under study

Contracting project form: PPP

Project Description: Structuring administrative PPPs for modernization and renovation of several units of the municipal public education network, and management of non-pedagogical services.

Project: Parque dos Atletas (Athletes' Park)

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession of use for renovations, expansion and maintenance services, aiming to promote greater use of space, with higher quality for users.

Project: Natural and Urban Parks

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for the use of parts of the city's natural and urban parks, including renovations and maintenance services, aiming to promote greater use of space, with higher quality for users.

Project: Barra da Tijuca Waterway

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession to enable a waterway transport system through lagoons and channels in Barra da Tijuca.

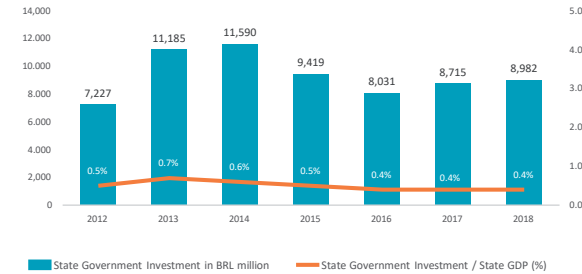


8.4 SÃO PAULO

GDP = BRL 2,210,562 million (2018 data)

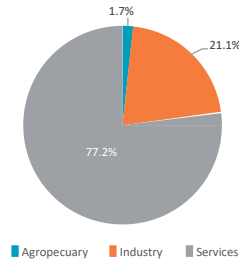
Population = 45,538,936 inhabitants

GDP per capita = BRL 48,542 in 2018



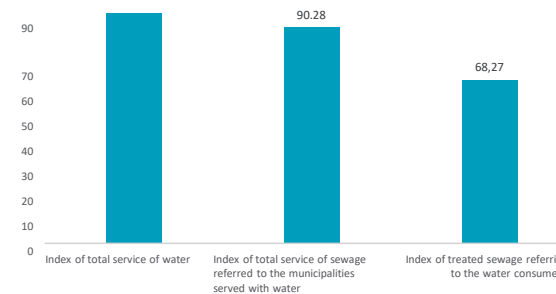
Annual investment and annual investment / São Paulo GDP

Source: Own preparation based on data from IBGE and the National Treasury



Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data

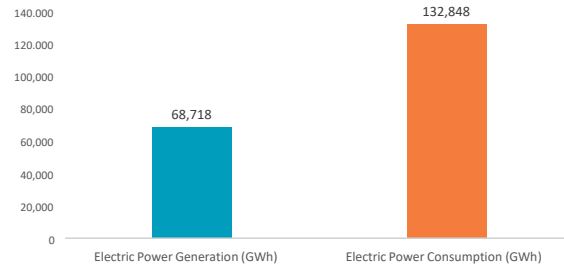


Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.

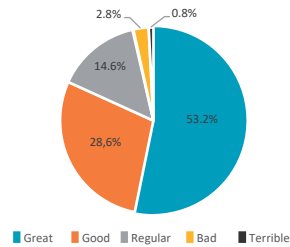
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



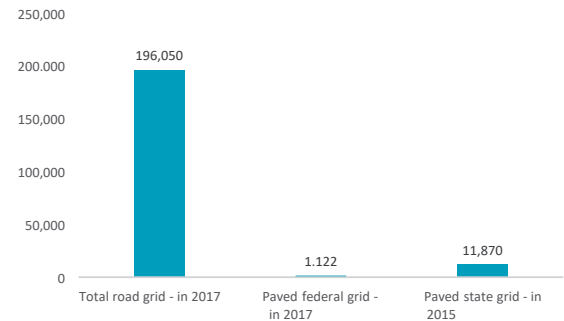
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the State of São Paulo

MONITORING OF PROJECTS

Project	Market Prospect ing	Feasibility Study / Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
Bus station Concession - São Paulo Coastline Lot	✓	✓	✓	✓	Actual phase		
North Ring Road	✓	✓	✓	Actual phase			
5th Round of Bus station Concessions (Northwest Lot A and Northwest Lot B)	✓	✓	✓	Actual phase			
Intercity Train (ICT) – Campinas-São Paulo stretch (with the possibility of extension to Americana - 2nd stage)	✓	✓	✓	Actual phase			
Concession of 22 regional airports CPTM Lines 8 and 9	✓	✓	✓	✓	✓	✓	Actual phase
São Paulo's Crossing Systems	✓	✓	✓	Actual phase			
Ginásio do Ibirapuera Complex	✓	✓	✓	Actual phase			
PPP New Schools	✓	Actual phase					
Parque Estadual da Cantareira e Horto (Cantareira State Park and Horto)	✓	✓	✓	✓	✓	Actual phase	
PETAR - Mosaic of Paranapiacaba New Urban Parks	✓	✓	✓	Actual phase			
Campos do Jordao Railroad	Actual phase						
Green Line - Plateau Port of Santos	✓	Actual phase					
Franco de Mello Mansion	Actual phase						
State of SP Lottery Services	✓	Actual phase					

Source: Department of Projects, Budget and Management – Government of the State of São Paulo.

Project: Bus station Concession - São Paulo Coastline Lot

Estimated investments: BRL 3.000.000.000,00

Project contracting form: Concession

Project description: Exploration of the Coastline Lot Highway System of São Paulo, with an approximate length of 230 km, for operation, maintenance and expansion and improvement investments. Main investments: (i) Miracatu - Peruíbe (SP 055). The stretch will be fully duplicated, generating double-track continuity from the Serra do Miracatu stretch to the access to the Port of Santos and the north coastline/ (ii) Bertioaga - Santos duplication of the stretch that

presents a well-known bottleneck in the region/ (iii) Planalto Bertoga - Mogi das Cruzes and Mogi das Cruzes - Arujá - complementation of the 3rd lanes and overtaking, with operational gains in the respective regions.

Importance of the Project for the State: Greater safety and reduced travel time from the Metropolitan Region to the Coastline; Segregation of local and road traffic, dedicating SP-055 to long-distance projects; improvement in bus station safety with greater fluidity in traffic, increasing comfort and safety for users and the surrounding population; improvements in infrastructure and services on the highway, meeting the specific demands of each of the regions crossed by the highway.

Project: North Rodoanel

Estimated investments: BRL 2,400,000,000.00

Project contracting form: Concession

Project Description: Concession of the North Section of the Rodoanel for completion of works, operation and maintenance; Northern section of the Mário Covas Rodoanel, 44.2 km long; Connection between Av. Raimundo Pereira de Magalhães (West Section), Fernão Dias Highway (BR-381); Presidente Dutra Highway (BR-116) and East Section of the Rodoanel.

Importance of the Project for the State: The Rodoanel's function is to remove long-distance traffic from the center of the city, mainly the marginal ones, collector roads of urban traffic. The North Section of the Rodoanel, with 44km, is the last slope of the Rodoanel road system (with a total of 117 km), and passes through the municipalities of São Paulo, Arujá and Guarulhos. In addition to connecting the east and west sections of the ring road, it is also connected to other important traffic axes, such as Avenida Raimundo Pereira and the Fernão Dias and Presidente Dutra highways.

Project: 5th Round of Bus station Concessions (Northwest Lot A and Northwest Lot B)

Estimated investments: BRL 7,000,000,000.00

Project contracting form: Concession

Project Description: Exploration of the Road System for operation, maintenance and investments in expansion and improvement. Total Blocks Northwest Paulista: 1,705 km

NORTHWEST BLOCK A

Approximate length: 492 km (includes TEBE 156km and DER section 336km). Estimated Capex:

BRL 2 Billion NORTHWEST BLOCK B

Approximate length: 1,213 km (includes Triângulo do Sol 442km and DER section 771km). Estimated Capex: BRL 5 Billion

Importance of the Project for the State: The region has high levels of agro-industrial production, especially sugar and ethanol. Project objectives: Meet the mobility of around 5 million inhabitants; Interconnect important cities in the state such as Ribeirão Preto, São José do Rio Preto and Araraquara; Enable a new logistics channel for Mato Grosso do Sul and the Brazilian Midwest.

Project: Intercity Train (TIC) – Campinas-São Paulo section (with the possibility of extension to Americana - 2nd stage)

Estimated investments: BRL 8,000,000,000.00

Contracting project form: PPP - sponsored

Project Description: Sponsored concession of passenger transport services for the Intercity Train project, including operation, maintenance, renovations and construction of the Intercity Train between the Metropolitan Regions of São Paulo and Campinas. A greenfield stage is planned, with new tracks between Jundiá and Campinas and a brownfield stage, between São Paulo and Jundiá. The project includes three different services: - Intercity Train Express Service (TIC) with 3 stops (Campinas, Jundiá and São Paulo); there will be intermediate departures from Jundiá and/or direct between São Paulo and Campinas; - Metropolitan Train Service, between Francisco Morato, Jundiá and Campinas, with 9 stops (Francisco Morato, Botujuru, Campo Limpo Paulista, Várzea Paulista, Jundiá, Louveira, Vinhedo and Campinas); - Line 7 - Rubi (CPTM) service for the operation and maintenance of the line, connecting São Paulo to Francisco Morato, with 13 stations. In addition, there will be maximum segregation of the circulation of passenger and freight trains, with the construction of a new lane (greenfield) between Jundiá and Campinas (double lane for passengers and single lane segregated for cargo)

Importance of the Project for the State: The ICT - Intercidades Train will be the first transport of passengers by rail with medium speed express service in Brazil, which will connect Campinas to São Paulo, in 1 hour, increasing accessibility between metropolises and hub cities, relieving highways and urban roads, with socioeconomic, environmental and productivity gains in the macro-metropolis of São Paulo. The region between Campinas-Jundiá-São Paulo represents 66% of the state GDP.

Project: Concession of 22 regional airports

Estimated investments: BRL 447,700,000.00

Project contracting form: Joint concession

Project description: Concession for the expansion, operation, maintenance and operation of the infrastructure of the 22 airports managed by DAESP.

Northwest Block. It includes the airports of São José do Rio Preto and Presidente Prudente, Araçatuba and Barretos, and the aerodromes of Assis, Dracena, Votuporanga, Penápolis, Tupã, Andradina and Presidente Epitácio.

Southeast Block. It includes the airport in Ribeirão Preto, and the terminals in Bauru-Arealva, Marília, Araraquara, São Carlos, Sorocaba, Franca, Guaratinguetá, Avaré-Arandu, Registro and São Manuel.

Importance of the Project for the State: (i) Private sector responsible for investments; (ii) optimization of public spending with exemption from airport network management; (iii) modernization of the airport infrastructure; (iv) enhancement of the interior of the State with the intensification of regional aviation; (v) generation of jobs with increased flights and commercial projects in the airport areas; (vi) stimulating the State's economic development.

Auction: Winner: Northwest Block: Consortium Aeroportos Paulista. Southeast Block: Voa NW -Voa SE Consortium. Auction on 07.15.2021.

Project: CPTM Lines 8 and 9

Estimated investments: BRL 3,280,000,000.00

Project contracting form: Joint concession

Project Description: Concession for the operation of metropolitan trains today under the responsibility of CPTM, including conservation, maintenance, modernization of existing facilities and construction of new stations: Line 8-Diamond (Júlio Prestes - Amador Bueno), with 35 km of extension, interconnected the region of Luz, in the center of the capital, to the municipality of Itapevi, serving 6 municipalities in the RMS. Connects with Line 9-Emerald at Osasco and Presidente Afonso stations and with Line 3-Red of the Subway and Line 7-Ruby from CPTM at Barra Funda. Line 9-Emerald (Osasco - Varginha), 32 km long, connects the extreme south of the capital to the municipality of Osasco (section Osasco-Grajaú), passing through important centers of commerce, service and education. Altogether, this line serves 18 stations in 2 municipalities (São Paulo and Osasco).

Importance of the Project for the State: (i) Improvements in the stations, providing greater comfort and safety to the user; (ii) implementation of a new signaling system, increasing safety; (iii) completion of the implementation of the CBTC (Communications-Based Train Control) system on Line 8; (iv) elimination of level crossings with the construction of viaducts and trenches; (v) improvements to increase the speed of trains, reducing travel time and the interval between compositions; (vi) renovation and modernization of the electric system and the permanent way.

Auction: Winner: CCR Group and Ruas Investimento e Participações S/A – Auction on 20.04.2021.

Project: São Paulo's Crossing Systems

Estimated investments: BRL 240,000,000.00

Project contracting method: Concession

Project Description: Concession to provide waterway crossings services currently operated by the State, including 8 coastal crossings and 3 crossings at Billings Reservoir. In total there are 38 vessels, carrying 34 thousand automobiles and 39 thousand pedestrians and bicycles (daily volume in 2018).

Importance of the Project for the State: Improvements to the navigation fleet; Improvements in berthing areas; Greater safety in carrying out the routes; Ease of ticket purchase; Integration with other modes of transport; Taking advantage of the regions' tourist potential and improving services.

Project: Ginásio do Ibirapuera Complex

Estimated investments: BRL 962.000.000,00

Project contracting form: Concession

Project Description: Concession for the use of the Constância Vaz Guimarães Complex, including the construction of a new multipurpose arena for sporting, musical, cultural and religious events, with a capacity of up to 20,000 people and the possibility of exploiting ancillary revenues, as well as the construction, renovation, modernization, installation, maintenance and operation of other equipment on site.

Importance of the Project for the State: New Multipurpose Arena with international standards and capacity for 20 thousand people; Investments in sports equipment and areas of public enjoyment; Development of other economic activities such as hotel, shopping, etc.

Project: PPP New Schools

Estimated investments: Under study

Contracting project form: PPP administrative

Project Description: Construction and operation of up to 60 new modern school units that serve secondary/elementary school II, for non-pedagogical services, with 100 thousand students potentially served.

Co-management Model: Complementary scope, specific product within the scope of studies for structuring the PPP. This is a pilot project to study the co-management model in up to 35 existing educational units. Management, operation and maintenance of non-pedagogical services. All pedagogical and curriculum monitoring services remain with the public education network, in the PPP and co-management model.

Importance of the Project for the State: Project focused on full-time secondary education, with the following objectives: Increase the offer of daytime education and minimize nighttime education; Reduction of school dropout; Elevate the focus of school management on learning.

Project: Parque Estadual da Cantareira e Horto (Cantareira State Park and Horto)

Estimated investments: BRL 52.500.000,00

Project contracting form: Concession

Project description: Concession of the area for public use of the parks, to improve the infrastructure and explore activities inherent to ecotourism; (ii) funding for management and improvements in the security and cleanliness of the site; (iii) exploration of environmental education activities, food and parking services.

Importance of the Project for the State: Gains in conservation; Strengthening of environmental education and research; Improved visitation experience and accessibility; Expansion of benefits for surrounding communities, employment and entrepreneurship.

Auction Result: Winner: Construcap CCPS Engenharia e Comércio S/A

Project: PETAR - Mosaic of Paranapiacaba

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for ecotourism and visitation activities in the Parque Estadual Turístico do Alto Ribeira (Alto Ribeira Tourist State Park - PETAR). PETAR is considered a World Heritage Site by UNESCO, with 300 registered caves. Visitors (2018) – PETAR 41 thousand.

Importance of the Project for the State: (i) Improvement of the spatial distribution of visiting environments for greater tourist attractiveness; (ii) interaction between environmental preservation initiatives and the region's economic development

Project: New Urban Parks

Estimated investments: BRL 73.000.000,00

Project contracting form: Concession

Project Description: Concession of the 3 main parks located in the city of São Paulo – Parque Villa Lobos (Villa Lobos Park);

Cândido Portinari and Água Branca; Participation of the private partner in the provision of modern and adequate equipment for sports, leisure and public enjoyment; Visitors (2019) – 1 million visitors/month considering the 3 parks. There will be no charge for admission to the parks.

Importance of the Project for the State: Expand leisure activities, environmental education, sports, culture and tourism in the parks, as well as revitalize existing equipment and install new attractions, such as amphitheatres, restaurants and cafes. The measure will also exempt the State from the services of patrimonial surveillance, cleaning and maintenance, which will be in charge of the concessionaire and will be supervised by SIMA.

Project: Campos do Jordão Railroad

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession of passenger transport services, with 47 km, in 3 municipalities: Pindamonhangaba, Santo Antônio do Pinhal and Campos do Jordão; Includes 8 rail services offered in the region – Suburb Train; Piracuama Tourist Train; Lookout Train; Tourist Tram; Urban Tourist Tram; Maria Smoke; Tourism themed trains and Serra Train; It also includes the concession of Parque Reino das Águas Claras (Pindamonhangaba) – theme park about Monteiro Lobato, with a green area of more than 21 thousand m²; 2 Railway Memory centers, in addition to other assets that may be included in the concession.

Importance of the Project for the State: Revitalize tourism and railway infrastructure in the region; Expand leisure, environmental education, sports, culture and tourism activities, as well as revitalize existing facilities and install new attractions, such as amphitheatres, restaurants and cafes.

Project: Green Line - Planalto Porto de Santos

Estimated investments: Under study

Project contracting form: Under study

Project Description: Concession of the work and operation of a new road-rail connection between the plateau and Santos, with the objective of increasing the offer of connections between the Planalto and Baixada Santista.

Importance of the Project for the State: Implementation of an alternative transport system to the Anchieta Highway, which is expected to saturate capacity by 2035.

Project: Franco de Mello Mansion

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for construction, modernization, restoration, adaptation, and expansion of buildings and other facilities for commercial exploitation of the property located at Avenida Paulista, 1919 – property called Casa Franco de Mello.

Importance of the Project for the State: One of the few remaining properties on Avenida Paulista, together with Casa das Rosas, being a cultural asset of high preservation value.

Project: Lottery Services of the State of SP

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for the provision of lottery services in the State of SP, contemplating: (i) the creation of lottery products in the modalities of greater potential for exploitation, such as "numerical prediction", "instant lotteries", and fixed quota"; (ii) distribution and sale of products, prioritizing lottery products through a digital system; and (iii) execution of advertising campaigns.

Importance of the Project for the State: Implementation of lotteries in the State of São Paulo considering a paradigmatic decision of the STF in 2020, allowing States to regulate and operate lottery services.

8.4.1 Projects of the Municipality of São Paulo

MONITORING OF PROJECTS							
Project	Market Prospect ing	Feasibility Study / Technical	Modeling/ Structuring	C. Public/ A. Public	Notice	Bidding	Signature of the Contract
1st Clean Energy Program Project	✓	✓	✓	✓	✓	✓	Actual phase
2nd Clean Energy Program Project	Actual phase						
3rd Clean Energy Program Project	Actual phase						
Gastronomic Spaces	✓	✓	✓	✓	Actual phase		
Infrastructure for Connectivity	Actual phase						
Project: Parque Trianon and Mário Covas Concession - 3rd Lot of Parks	✓	✓	✓	✓	Actual phase		
Parque do Chuvisco Concession - 4th Lot of Parks	✓	✓	✓	✓	Actual phase		
PMI for Improvement in Maintenance and Janitorship in School Units	Actual phase						
PPP for the City of São Paulo Bus Terminals	✓	✓	✓	✓	Actual phase		
Viaduct Bases Activation Program	✓	✓	✓	Actual phase			
PPP - Social Lease	✓	✓	Actual phase				
Concession of the Interlagos Complex	✓	✓	Actual phase				
Concession of the Real Right to Use the Gleba Santa Etelvina III B	✓	✓	✓	✓	Actual phase		

Source: Executive Secretariat for Privatization and Partnerships – São Paulo City Hall.

Project: 1st Project Clean Energy Program

Estimated investments: BRL 22,000,000.00

Project contracting method: PPP

Project Description: PPP for the implementation, operation and maintenance of plants for distributed generation of photovoltaic solar energy intended to supply the energy demand of consumer units linked to the Municipal Health Department, with management of services for the compensation of electricity credits.

Importance of the Project for the Municipality: Estimated gain, over the 25 years of the project, of BRL 73,294,000.00, resulting in an exemption of BRL 2.9 million per year for the city hall of São Paulo. In addition to the environmental advantages, it is the only alternative to reduce the distributor's bill for captive consumers who cannot migrate to the free market.

Project: 2nd Project Clean Energy Program

Estimated investments: BRL 143,000,000.00

Project contracting method: PPP

Project Description: PPP for the implementation, operation and maintenance of plants for distributed generation of photovoltaic solar energy intended to supply the energy demand of consumer units linked to the Municipal Health Department, with management of services for the compensation of electricity credits.

Importance of the Project for the Municipality: Reduction of electricity bills, budget predictability, reduction of CO2 emissions, and reduction in electricity consumption through energy efficiency. In addition to the environmental advantages, it is the only alternative to reduce the distributor's bill for captive consumers who cannot migrate to the free market.

Project: 3rd Project Clean Energy Program

Estimated investments: BRL 31,000,000.00

Project contracting method: PPP

Project Description: PPP for the implementation, operation and maintenance of a distributed generation solar plant on a deactivated sanitary landfill site to supply the energy demand of municipal buildings, as well as the management of energy credit compensation services.

Importance of the Project for the Municipality: Reduction of electricity bills, budget predictability, reduction of CO2 emissions, and reduction in electricity consumption through energy efficiency. In addition to the environmental advantages, it is the only alternative to reduce the distributor's bill for captive consumers who cannot migrate to the free market.

Project: Gastronomic Spaces

Estimated investments: Under study

Form of contracting the project: Permission

Project Description: Permission to use areas located in cultural facilities in the Municipality of São Paulo, intended for the implementation, operation and maintenance of gastronomic spaces.

Importance of the Project for the Municipality: The project contributes to the activation of cultural facilities and the availability of food and gastronomic services to users, such as: cafes, restaurants and/or snack bars. In addition, in a complementary way, we seek to improve the experience and feeling of comfort of users, through new service offerings added to the main cultural activities.

Project: Infrastructure for Connectivity

Estimated investments: Under study

Project contracting form: Under study

Project Description: Partnership project with the private sector aimed at: (i) requalifying and commercially exploring the underground pipeline infrastructure in the Municipality of São Paulo; (ii) qualify connectivity conditions for municipal public equipment; (iii) enable the provision of intelligent services.

Importance of the Project for the Municipality: The project contributes to the improvement and mapping of the infrastructure of the underground pipelines in the Municipality of São Paulo, contributing to their requalification and the related implementation of a fiber optic network intended to promote the connection of municipal buildings. In addition, the project opens space for the proposition of new connectivity solutions and integration with public services in line with the international trend of promoting smart cities.

Project: Parque Trianon and Mário Covas Concession - 3rd Lot of Parks

Estimated investments: BRL 1,000,000.00

Project contracting form: Concession

Project Description: The main objective of the project is to ensure that the Parques Prefeito Mário Covas e Tenente Siqueira Campos (Prefeito Mário Covas and Tenente Siqueira Campos Parks - Trianon) fully fulfill their functions as a public space. The focus is to offer safer parks, promoting a relationship between users and nature, in addition to integrating spaces for sports and cultural activities, while maintaining environmental preservation.

Importance of the Project for the Municipality: Estimated gain, in 25 years for the public coffers of BRL 44.9 million, of which BRL 1 million in investments, BRL 2.3 million in ISS, BRL 39.8 million in exemption, BRL 1.8 million in grants. Additionally, there is a qualitative gain from the improvement in the service provided to users of the parks.

Project: Parque do Chuvisco Concession - 4th Lot of Parks

Estimated investments: BRL 1.000.000,00

Project contracting form: Concession

Project Description: The main objective of the project is to ensure that Parque Municipal Chuvisco continues to fully fulfill its function as a public space. The park needs to remain safe, promoting a relationship between user and nature, as well as integration between spaces for sports and cultural activities.

Importance of the Project for the Municipality: Estimated gain, in 25 years for the public coffers of BRL 20 million, of which BRL 0,9 million in investments, BRL 0,3 million in ISS, BRL 18,5 million in exemption, BRL 0,3 million in grants. Additionally, there is a qualitative gain from the improvement in the service provided to users of the Park, present in an area of high social vulnerability.

Project: PMI for Improvement in Maintenance and Care in School Units

Estimated investments: Under study

Project contracting form: Under study

Project Description: Call Notice aimed at private entities to contribute with studies that seek to elucidate two points: (1) to establish a diagnosis of the state of infrastructure of all schools of the Regional Boards of Education (DREs) of Pirituba and São Matheus, clarifying reform needs; (2) devise solutions for better school maintenance and care, which implies contributing to the formulation of a new contracting model for building management of school units in the Municipal Education Network.

Importance of the Project for the Municipality: It is intended, with the new contracting model, and the studies aim to contribute to its definition and final model, to allow the provision of services for the conservation of the infrastructure of schools with higher quality. It is also intended that school units adopt sustainable solutions, such as water reuse and energy efficiency, and have full accessibility. It is expected that better infrastructure in school units will positively impact student learning, as indicated by studies by the Inter-American Development Bank (IDB) and the United Nations Educational, Scientific and Cultural Organization (UNESCO)

Project: PPP for the City of São Paulo Bus Terminals

Estimated investments: BRL 800.000.000,00

Contracting project form: PPP

Project Description: The main objective of the project is the requalification and operation with higher quality of the Urban Bus Terminals in the municipality. In addition, the concessionaires will be able to carry out the construction of projects associated with the Terminals, generating investments, services and jobs for the citizens, favoring that the terminals reinforce their role as local centralities.

Importance of the Project for the Municipality: Estimated gain, in 35 years, for the public coffers of BRL 3,5 billion, of which BRL 791 million in initial investments, BRL 25,8 million in ISS, BRL 47,6 million in shared revenue and BRL 2,7 billion in operating cost reduction. In addition to the quantitative gain, there is a qualitative gain from the improvement in the service provided at the Urban Bus Terminals to the approximately 850,000 residents who pass through the terminals daily.

Project: Viaduct Bases Activation Program

Estimated investments: Under study

Project contracting form: Concession

Project Description: The Program aims to insert the low-lying areas of the viaduct and adjacencies in the urban fabric of its surroundings, investing, therefore, in the requalification and activation of such areas in order to create a public space for permanence.

Importance of the Project for the Municipality: Qualitative gain related to the activation of public spaces, providing a place of permanence with urban ambience, accessibility, leisure, care and security capable of positively impacting the place and the citizens, adding social and economic development to areas.

Project: PPP - Social Lease

Estimated investments: BRL 182.000.000,00

Project contracting method: PPP

Project Description: Public-Private Partnership for the provision of housing as a service to low-income families (1 to 6 minimum wages – HIS1 and HIS2) in the central region of the Municipality of São Paulo.

Importance of the Project for the Municipality: Help to reduce the current housing deficit through the availability of Uhs and housing service to low-income families in the municipality. It also aims to encourage the development of social actions that enhance the possibility of financial emancipation of the beneficiaries.

Project: Concession of the Interlagos Complex

Estimated investments: BRL 30.000.000,00

Project contracting method: Concession

Project Description: Concession for the use of the Interlagos Complex to (i) modernize and requalify the space; (ii) enable the space to be managed by a concessionaire with experience in the specific markets involved; and (iii) extract greater potential from the exploration of the Complex.

Importance of the Project for the Municipality: Release of public resources used in the management and, thus, enable, at the same time, the more efficient management of the Complex, maximizing the social gains for the Municipality.

Project: Concession of Real Right of Use of Gleba Santa Etelvina III B

Estimated investments: BRL 100.000.000,00

Project contracting form: Concession

Project Description: Economic development, maintenance, sociocultural activation and preservation, through the concession of the real right of use, of an area called Santa Etelvina III B, located in Cidade Tiradentes, municipality of São Paulo.

Importance of the Project for the Municipality: The project aims to grant the land to the private sector with the aim of social and economic development of the region, through the subdivision of the land in the area and the implementation of a trade and services center, currently lacking in the region. It also aims to provide a public leisure area for free sports activities.



REGION
SOUTH

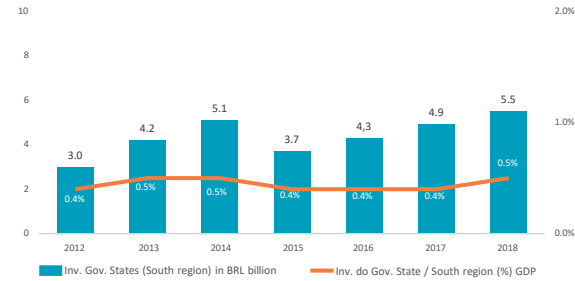
9. SOUTH REGION

Southern Region GDP = BRL 1,195 billion (2018 data) (17.0% of Brazilian GDP)
Population of the Southern Region = 29,754,036 inhabitants (14.3% of Brazil) (in 2018)
GDP per capita = BRL 40,181 in 2018



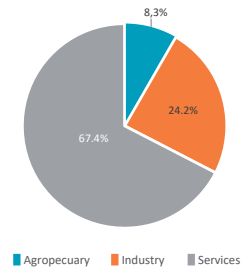
Investments in state governments in the South region and investments in state governments/GDP of the region (%)

Source: Own preparation based on data from IBGE and the National Treasury



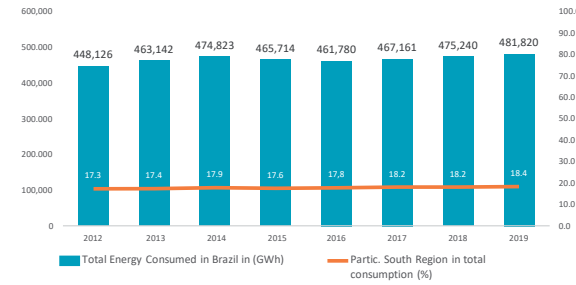
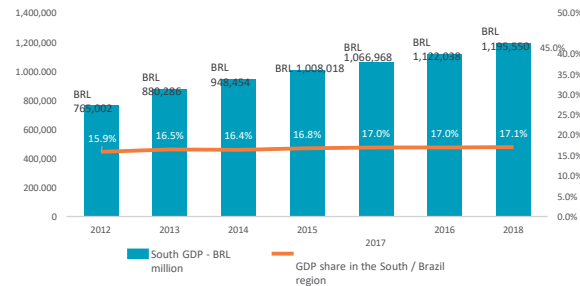
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



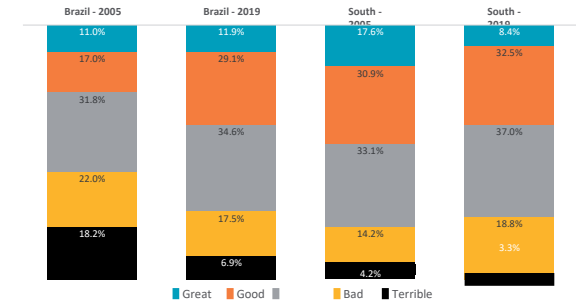
South region's GDP and % share of South region's GDP in Brazil's GDP

Source: Own elaboration based on IBGE data.



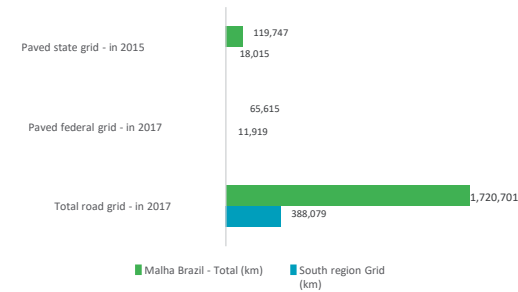
Electric Power - Total energy consumed in Brazil and share of consumption in the Southeast region (GWh)

Source: Own elaboration based on EPE data



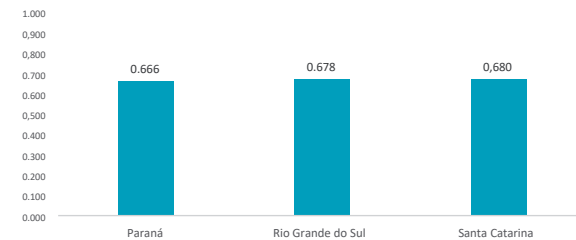
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - Brazilian and South Road Grid (km)

Source: Own elaboration based on CNT data



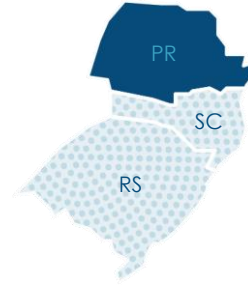
Solid Waste - Urban cleaning sustainability index - ISLU * 2020 - average by State

Source: Own elaboration based on data from Selurb and PwC
 * See notes

9.1 PARANÁ

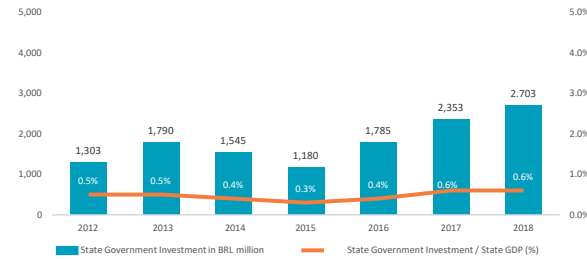


GDP = BRL 440,029 million (2018 data)
Population = 11,348,937 inhabitants
GDP per capita = BRL 38,773 in 2018



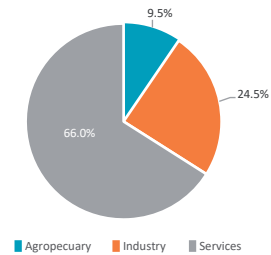
Annual investment and annual investment / Paraná GDP

Source: Own preparation based on data from IBGE and the National Treasury



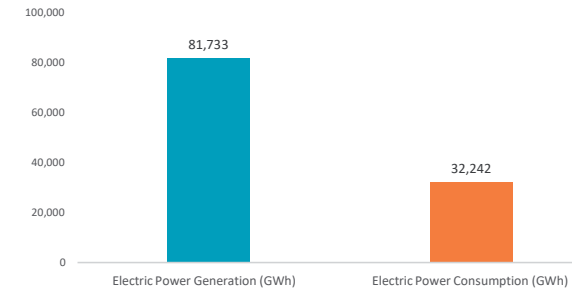
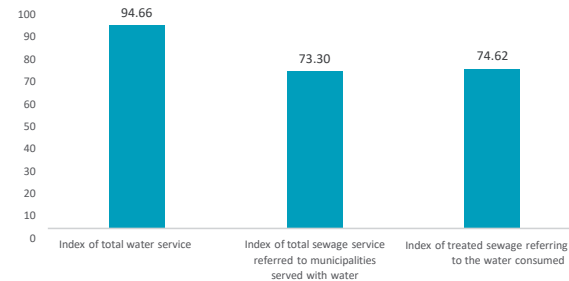
Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data



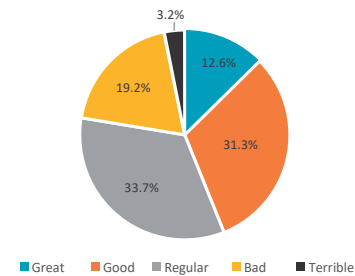
Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development. Data from 2019.



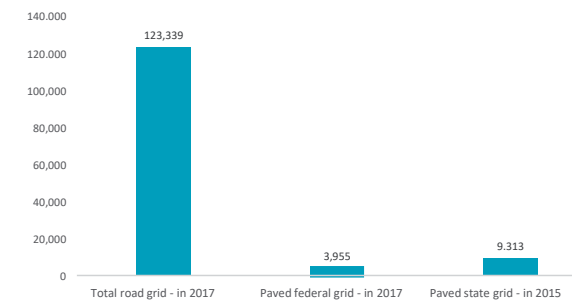
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research of Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.

Projects of the State of Paraná

MONITORING OF PROJECTS							
Project	Market Prospect	Feasibility Study/Technical	Modelling/Structuring	C. Public/A. Public	Notice	Bidding	Signature of the Contract
Vehicle Yards	✓	✓	✓	Actual phase			
Parque Pedreira Atuba	Actual phase						
State Penitentiary of Piraquara	Actual phase						
Co-Management of Prisons	Actual phase						
Regional Hospitals of Guarapuava and Ivaiporã	Actual phase						
Parque Estadual do Guartelá (Guartelá State Park)	✓	Actual phase					
Salto State Natural Monument	✓	Actual phase					
São João Londrina Botanical Garden	✓	Actual phase					

Source: General Superintendence of Partnerships - Government of Paraná.

Project: Vehicle Yards

Estimated investments: BRL 55.000.000,00

Project contracting form: Concession

Project description: Concession of vehicle yards that are currently under the management of DETRAN/PR, including removal, custody and auction preparation services.

Importance of the Project for the State: The project will provide for the reduction of irregular vehicles in circulation, the improvement in the quality of the management of the yards, greater agility in the process of serving the citizen and in the execution of vehicle auctions.

Project: Parque Pedreira Atuba (Pedreira Atuba Park)

Estimated investments: Under study

Project contracting form: Concession

Project Description: Requalification of urban area with the exploration of the place by a private partner through the implementation of open space for events, event center, restaurant, ferris wheel and other uses that prove to be viable.

Importance of the Project for the State: Revitalization of the central urban area currently underutilized for the storage of seized vehicles.

Project: State Penitentiary of Piraquara

Estimated investments: Under study

Project contracting form: Administrative concession

Project Description: Construction and operation of an industrial prison, located in the Penitentiary Complex in Piraquara, which has in its structure an industrial kitchen for the preparation and provision of meals that are served to prisoners, prisoners and servers that are in units of the

DEPEN and the Civil Police of Curitiba and the Metropolitan Region, as well as a restaurant-school for teaching and professional qualification of prisoners and production of organic food in the agricultural area of the Penal Colony Agroindustrial.

Importance of the Project for the State: Paraná faces a serious problem of vacancy deficit, and with this project another 500 vacancies can be opened in the Progression Unit, where all prisoners must work and study. The main objective of the PIP-UP proposal is the effective performance in the re-socialization of the inmates, through the offer of work and study, through employability in all stages of meal preparation and professional qualification in the school-restaurant.

Project: Co-Management of Prisons

Estimated investments: Under study

Contracting form: PPP

Project Description: To check the possibility of a partnership for the management of prisons already built that will go into operation.

Importance of the Project for the State: To enable the operation of prisons that are under construction, with optimization of management.

Project: Regional Hospitals of Ivaiporã and Guarapuava

Estimated investments: Under study

Project contracting form: Administrative concession

Project Description: Management of Regional Hospitals in Ivaiporã.

Importance of the Project for the State: With the beginning of the operation of hospitals, new specialties of medical care and ICU beds will be available to the population, with optimized management of hospitals and efficient use of resources.

Project: Parque Estadual do Guartelá (Guartelá State Park)

Estimated investments: Under study

Project contracting form: Concession

Project Description: Parque Estadual do Guartelá (Guartelá State Park) is located in the municipality of Tibagi. Currently, park visitors can walk along interpretive trails, contemplate the landscape, visit prehistoric sites, bathe, in the permitted area, in natural pools also known as "panelões" or "sink pans", observe the species of fauna, and flora and carry out scientific research, with due authorization from the IAT. The project aims to grant the use of the park to improve the infrastructure to support tourists and to develop new activities/attractions.

Importance of the Project for the State: The project boosts and promotes tourism in the State, in addition to resulting in savings for the public coffers, since the concessionaire becomes responsible for the management and maintenance of the space.

Project: Salto São João State Natural Monument

Estimated investments: Under study

Project contracting form: Concession

Project Description: The Natural Monument is located in the midst of a well-preserved Araucária forest, where a waterfall with a large volume of water is located on the São João River, with a drop of 84 meters in height. Its surroundings form a canyon, which can be observed next to the fall, at the viewpoint of the Park. The Natural Monument is located in Prudentópolis, a municipality that has several canyons and waterfalls, and the privilege of housing the largest waterfalls in southern Brazil, being known as the "Land of Giant Waterfalls". The project aims to grant the use of the park to improve the infrastructure to support tourists and to develop new activities/attractions.

Importance of the Project for the State: The project boosts and promotes tourism in the State, in addition to resulting in savings for the public coffers, since the concessionaire becomes responsible for the management and maintenance of the space.

Project: Londrina Botanical Garden

Estimated investments: Under study

Project contracting form: Concession

Project Description: The Londrina Botanical Garden was created, within the ambit of the Secretary of State for the Environment and Water Resources, through Decree No. 6.184 of 2006. The Botanical Garden is one of the most beautiful tourist spots in Londrina and one of the largest research and conservation units for native and exotic species in Paraná, being a space dedicated to the protection and cultivation of rare wild species, threatened with extinction, or economically and ecologically important for the restoration and rehabilitation of ecosystems. Its structure has lakes, greenhouses, trails and hiking trails. The project aims to grant the use of the park to improve the infrastructure to support tourists and to develop new activities/attractions.

Importance of the Project for the State: The project boosts and promotes tourism in the State, in addition to resulting in savings for the public coffers, since the concessionaire becomes responsible for the management and maintenance of the space.

9.1.1 Projects of the Municipality of Curitiba

MONITORING OF PROJECTS							
Project	Market Prospect	Feasibility Study/Technical	Modeling/Structuring	C. Public/A. Public	Notice	Bidding	Signature of the Contract
PPP of Public Lighting	✓	✓	✓	✓	Actual phase		

Source: Municipal Secretariat of Administration and Personnel Management (SMAP) – Coordination of Public-Private Concessions and Partnerships. Curitiba City Hall.

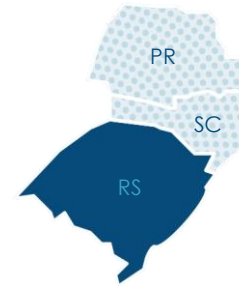
Project: Public Lighting PPP

Estimated investments: BRL 324,000,000.00

Project contracting method: PPP

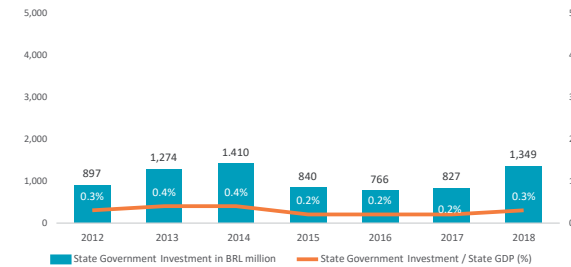
Project Description: Administrative concession, through a Public-Private Partnership, of public lighting services in the Municipality of Curitiba, including the modernization, enhancement, expansion, operation and maintenance of the IP park, for a period of twenty-three years, with two modernization cycles.

Importance of the Project for the Municipality: The project will continue all the relevant efforts already developed in the scope of public lighting in Curitiba, providing for the modernization of 100% of the IP park CO2 released into the atmosphere, enhancement of the urban landscape, increase in the quality of life of citizens, greater sense of security and positive impacts on pedestrian, cyclist and vehicle traffic.



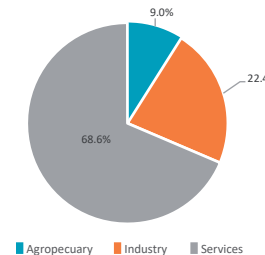
9.2 RIO GRANDE DO SUL

GDP = BRL 457,294 million (2018 data)
Population = 11,329,605 inhabitants
per capita GDP = BRL 40,363 in 2018



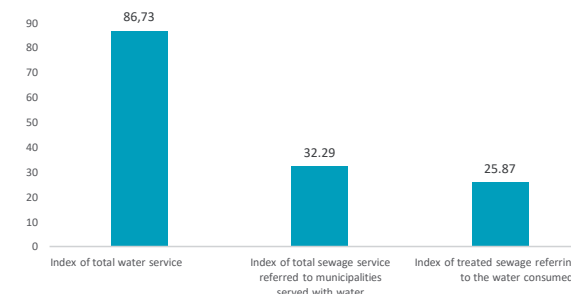
Annual investment and Annual investment/Rio Grande do Norte GDP

Source: Own preparation based on data from IBGE and the National Treasury



Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data

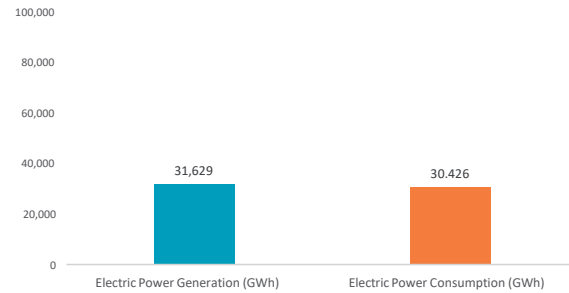


Sanitation - Water, sewage collection and treatment service (%)

in the SNIS data of the Ministry of Regional Development Data from 2019.

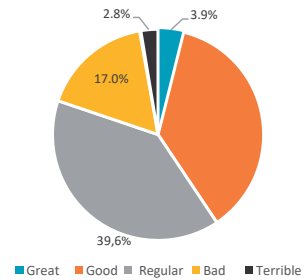
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



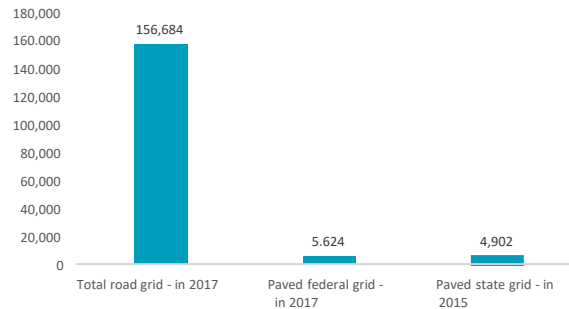
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects of the State of Rio Grande do Sul

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study / Technical	Modeling/Structuring	C. Public/A. Public	Notice	Bidding	Signature of the Contract
Highway RSC-287	✓	✓	✓	✓	✓	✓	Signed Contract
EGR and DAER Highways	✓	✓	✓	Actual phase			
Porto Alegre bus Station - ERPA	✓	✓	✓	✓	Actual phase		
PPP sanitary sewage (31 municipalities)							
PPP - Prison of Erechim	✓	✓	✓	✓	Actual phase		
Regional airports - Passo Fundo and Santo Ângelo	✓	✓	✓	✓	Actual phase		
Parque Zoológico de Sapucaia do Sul (Zoological Park of Sapucaia do Sul)	✓	✓	✓	✓	✓	Actual phase	

Source: Extraordinary Secretariat for Partnerships - Government of Rio Grande do Sul.

Project: RSC-287 Highway

Estimated investments: BRL 2,703,743,297.14

Project contracting form: Joint concession

Project Description: Duplication of the 204.5 km of the highway, from Tabaí, through Venâncio Aires and Santa Cruz do Sul, to Santa Maria.

Auction Result: Winner Consortium Via Central (Sacyr Concesiones S.L and Sacyr Concessões e Participações do Brasil Ltda.)

Project: EGR and DAER Highways

Estimated investments: BRL 10.600.000.000,00

Project contracting form: Joint concession

Project description: Concession of sections currently tolled and managed by the Empresa Gaúcha de rodovias (EGR) + sections managed by the Autonomous Department of Roads - DAER (total 1131 km). The roads were divided into three lots, and the criteria adopted for the division focused on geographic proximity, viable lots under the form of a common concession and extension capable of attracting the largest number of investors.

- Block 1 (covers 13.3% of the population of RS): ERS-020, ERS-040, ERS-115, ERS-118, ERS-235, ERS-239, ERS-466 and ERS-474

- Block 2 (17.5% of the population): ERS-128, ERS-129, ERS-130, ERS-324, RSC-453 and ERS-135 + BR-470

- Block 3 (12.6% of the population): ERS-122, ERS-240, RSC-287, ERS-446 and RSC-453 + BR-470

Project: Porto Alegre bus Station - ERPA

Estimated investments: BRL 87,398,236.28

Project contracting form: Joint concession

Project Description: Modernization of the Porto Alegre bus station; Qualification of the store mix; Air conditioning of waiting rooms; Escalators and elevators for PNE; Security and monitoring systems; Coverage in the taxi boarding sector; Coverage on access to Trensurb; Alternative return to Av. Mauá, Elevated (Lombofaixa) for access to parking lots, Interconnection with the walkway. Services: Ticket sales in person and online; Order dispatch; Services to users - food, information and luggage storage; Loading and unloading operations; Bus station maintenance and upkeep; Cleaning of facilities and security service.

Project: PPP sanitary sewage (31 municipalities)

Estimated investments: BRL 3.000.000.000,00

Contracting project form: PPP

Project Description: PPP DA CORSAN - Sewage in possible municipalities: Block 1 - Bento Gonçalves, Canela, Carlos Barbosa, Farroupilha, Flores da Cunha, Garibaldi, Gramado, Nova Petrópolis, Santa Maria and São Francisco de Paula; Block 2: Cachoeira do Sul, Campo Bom, Capão da Canoa, Carazinho, Charqueadas, Erechim, Estrela, Lajeado, Imbé, Montenegro, Nova Santa Rita, Osório, Passo Fundo, Santa Cruz do Sul, Santo Antônio da Patrulha, Sapiranga, Torres, Tramandaí, Vacaria, Venâncio Aires and Xangri-lá. Project under evaluation. Possibility of IPO of the company.

Project: PPP – Prison of Erechim

Estimated investments: Under study

Project contracting method: PPP

Project Description: Public-Private Partnership Project, in the form of administrative concession, for the construction, equipping, operation, and maintenance of a penal complex with a capacity of up to 1,125 prisoners.

Project: Regional airports - Passo Fundo and Santo Ângelo

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Concession for operation, exploration, conservation, maintenance, improvements and expansion of the infrastructure capacity of the airports of Passo Fundo and Santo Ângelo.

Project: Parque Zoológico de Sapucaia do Sul (Zoological Park of Sapucaia do Sul)

Estimated investments: BRL 59,366,000.00

Project contracting form: Joint concession

Project Description: To improve the physical space and new services to visitors, modernization of the park, contemplating from the reconstruction of the environments to allow greater proximity of the users with the animals to guarantees of well-being of the entire herd, which should be expanded and have new species. In addition, the entrepreneur will be able to offer new leisure alternatives to visitors, such as train, farm, safari and tree climbing.

Main investments: Qualification of animal spaces, qualification of veterinary services, new parking lots, construction of the entrance village, new bathrooms and shops, food court and modernization of the restaurant.

9.2.1 Projects of the Municipality of Porto Alegre

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study/Technical	Modeling/Structuring	C. Public/A. Public	Notice	Bidding	Signature of the Contract
Project: Universal Sanitation in Porto Alegre	✓	Actual phase					
Privatization of Companhia Carris Porto-Alegrense	✓	✓	✓	Actual phase			
Construction of the Events Center	✓	Actual phase					
Qualification of the Porto Seco Region	✓	Actual phase					
Solid Waste from Porto Alegre	✓	Actual phase					
Management, Maintenance and Improvements in Orla do Guaíba (Section 2)	✓	Actual phase					
Management, Maintenance and Improvements in Orla do Guaíba (Section 3) and Parque Marinha do Brasil, Parque Farroupilha and Parque Moinhos de Vento	✓	✓	Actual phase				
PPP - Expansion/improvement of the infrastructure and management of the Hospital de Pronto Socorro - HPS	✓	✓	Actual phase				
PPP - Expansion/improvement of the infrastructure and management of the Hospital Materno Infantil Presidente Vargas - HMIPV	✓	✓	Actual phase				
Construction Administrative Center	✓	Actual phase					
Installation of Photovoltaic Power Plants	✓	Actual phase					
Airmobile	✓	Actual phase					
Porto Alegre Museum	✓	Actual phase					
Gasometer Plant	✓	Actual phase					

Source: Porto Alegre Municipal Partnerships Department. Porto Alegre City Hall.

Project: Universal Sanitation in Porto Alegre

Estimated investments: BRL 2.170.000.000,00

Project contracting form: Concession

Project Description: Investments in the expansion, modernization, operation and maintenance of water and sewage networks, in order to achieve universal sanitation services. The modeling is being done with the support of the National Bank for Economic and Social Development (BNDES).

Importance of the Project for the Municipality: Project to enable compliance with the Sanitation Regulatory Framework, determined by Federal Law 14026/20.

Project: Privatization of Companhia Carris Porto-Alegrense

Estimated investments: Under study

Project contracting form: Privatization

Project Description: Carris' economic-financial, legal, accounting and technical-operational feasibility studies, with the objective of evaluating alternatives aimed at increasing operational efficiency and reducing or eliminating contributions from the controlling shareholder.

Importance of the Project for the Municipality: Reduce or eliminate the contributions of the controlling shareholder in Carris and reduce the value of the public transport fare in the Municipality.

Project: Construction of the Events Center

Estimated investments: Under study

Contracting project form: PPP

Project Description: Modeling study of a partnership with the private sector to create a space that expands the potential of Porto Alegre for business tourism and includes the city in the circuit of fairs that are currently directed to other locations due to the lack of a space in the city that hosts these events.

Importance of the Project for the Municipality: The implementation of an Events Center in Porto Alegre is extremely important for its economic and social development, positively impacting the trade and services network. Given the magnitude of the supply chain involved in organizing events on a national and international scale, it is natural that positive effects are produced in the process of generating jobs and collecting revenue for the municipality's coffers.

Project: Qualification of the Porto Seco Region

Estimated investments: Under study

Project contracting form: Under study

Project Description: Project that aims to improve the Porto Seco Cultural Complex, through the qualification of the space.

Importance of the Project for the Municipality: Benefits not only for the carnival community, but for the population of the region as a whole, offering, in addition to the infrastructure for the carnival, services for the surroundings.

Project: Solid Waste from Porto Alegre

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for the collection and disposal of solid urban waste in Porto Alegre.

Importance of the Project for the Municipality: Improvements in collection systems and their modalities, recycling bins, transport, transshipment, sorting and licensed/adequate final destination.

Project: Management, Maintenance and Improvements in Orla do Guaíba (Section 2)

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession of use of stretch 2 of Parque da Orla do Guaíba, management, operation and maintenance, as well as execution of engineering works and services, so that the site becomes suitable for visitation. Review of the published project, based on complementary studies via PMI.

Importance of the Project for the Municipality: Urbanize the area and offer quality services to the population of Porto Alegre.

Project: Management, Maintenance and Improvements at Orla do Guaíba (Section 3) and Parque Marinha do Brasil, Parque Farroupilha and Parque Moinhos de Vento

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession of use of stretch 3 of Parque da Orla do Guaíba, management, operation and maintenance of the area and public equipment. Possibility of implementing activities and cash-generating units for the feasibility of the concession. The purpose of this stretch, which has already been implemented, is to practice sports, containing more than 20 sports courts and the largest skate rink in Latin America ever certified.

Importance of the Project for the Municipality: To relieve the public coffers and offer a higher quality service to the population.

PPP - Expansion/improvement of the infrastructure and management of the Hospital de Pronto Socorro - HPS

Estimated investments: Under study

Contracting project form: PPP

Project Description: The project aims to expand, through the construction of a new building, attached to the current one, and the qualification and expansion of the services provided by the HPS.

Importance of the Project for the Municipality: The Hospital de Pronto Socorro provides highly specialized services covering the Municipality of Porto Alegre, the metropolitan region and also cases from the interior of the State of Rio Grande do Sul and Santa Catarina.

PPP - Expansion/improvement of the infrastructure and management of the Hospital Materno Infantil Presidente Vargas

Estimated investments: Under study

Contracting project form: PPP

Project Description: Public-Private Partnership for the construction of a new building and operation of the Hospital Materno Infantil Presidente Vargas.

Importance of the Project for the Municipality: HMIPV is the only local hospital specializing in maternal and child health such as neonatal pathologies, deliveries and high-bait pregnancies, as well as for pediatric respiratory disorders and psychiatry, both in inpatient and outpatient settings.

Project: Construction Administrative Center

Estimated investments: Under study

Contracting project form: PPP

Project Description: Construction of a new and modern Administrative Center.

Importance of the Project for the Municipality: Reduction in expenses with leasing and maintenance, a better working environment for the servers, the gain in the optimization of resources, the increase in the synergy of the transversal action between departments, the increase in the agility in the progress of processes and decision making, the concentration of customer service, among others.

Project: Implementation of Photovoltaic Power Plants

Estimated investments: Under study

Contracting project form: PPP

Project Description: Construction, operation, maintenance and management of Photovoltaic Power Plants, to meet the municipal energy demand.

Importance of the Project for the Municipality: Reduction in the Municipality's electricity expenses, from the use of renewable, cleaner and more sustainable energy sources.

Project: Airmobile

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession of the real right to use green areas and public facilities, including revitalization, maintenance and commercial and tourist exploitation of the current structure of approximately 1 (one) kilometer of the Aeromóvel located on Orla do Guaíba.

Importance of the Project for the Municipality: Revitalization of a public facility, currently abandoned and unused, along with the maintenance of the recently revitalized square, becoming another tourist and leisure attraction along with the Orla do Guaíba project.

Project: Porto Alegre Museum

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for the economic exploitation of the free area (funds) and conservation of the property.

Importance of the Project for the Municipality: The museum needs interventions for its recovery, as well as periodic maintenance. In addition, the renovation, expansion and restoration, as well as its daily opening for visits to cultural exhibitions.

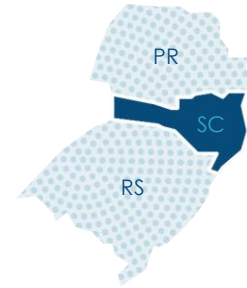
Project: Gasometer Plant

Estimated investments: Under study

Project contracting form: Concession

Project Description: Concession for economic exploitation and conservation of the property.

Importance of the Project for the Municipality: Usina do Gasômetro is a cultural space reference at the state level and a symbol of identity for the city of Porto Alegre.

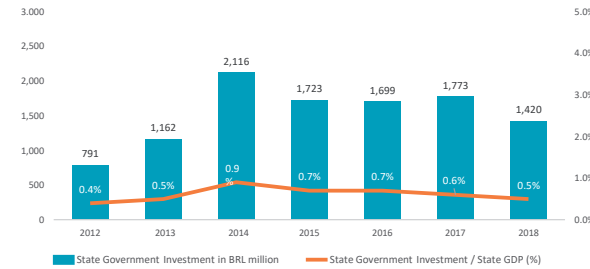


9.3 SANTA CATARINA

GDP = BRL 298,227 million (2018 data)

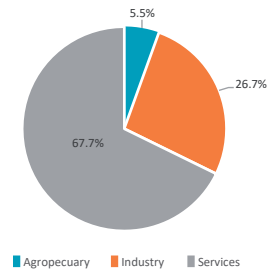
Population = 7,075,494 inhabitants

GDP per capita = BRL 42,149 in 2018



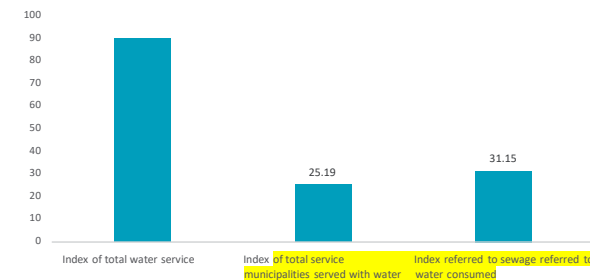
Annual investment and annual investment / Santa Catarina GDP

Source: Own preparation based on data from IBGE and the National Treasury



Share of sectors in GDP in 2018

Source: Own elaboration based on IBGE data

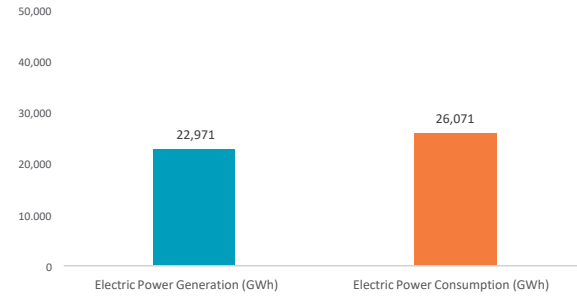


Sanitation - Water, sewage collection and treatment service (%)

Source: Own elaboration based on SNIS data from the Ministry of Regional Development Data from 2019.

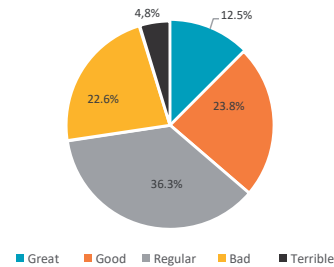
Electric Power - Generation and consumption (GWh) in 2019

Source: Own elaboration based on EPE data



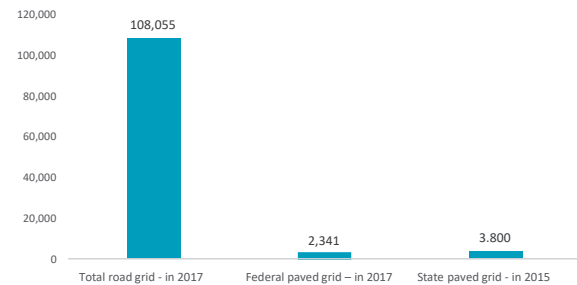
Transport - Highways - general state of the highway

Source: Own elaboration based on CNT data - CNT Research on Highways 2019



Transport - Highways - road grid in the State (km)

Source: Own elaboration based on CNT data.



Projects in the State of Santa Catarina

MONITORING OF PROJECTS							
Project	Market Prospecting	Feasibility Study / Technical	Modeling/Structuring	C. Public/A. Public	Notice	Bidding	Signature of the Contract
Rita Maria Bus Station	✓	✓	✓	Actual phase			
Project: Integrated Metropolitan Transport System	✓	Actual phase					
Blumenau Penitentiary Complex	✓	✓	Actual phase				
Hospital Complex of Santa Catarina	✓	✓	Actual phase				
Events Center of Balneário Camboriú	✓	✓	✓	✓	✓	✓	Actual phase
Luiz Henrique da Silveira Events Center (Centro de Eventos Luiz Henrique da Silveira)	✓	Actual phase					
Cultural and Tourist Complex of Cabeceiras da Ponte Hercílio Luz (Complexo Cultural e Turístico das Cabeceiras da Ponte Hercílio Luz)	Actual phase						
Serra do Rio do Rastro Lookout	Actual phase						
Sapiens Parque	Actual phase						
Socio-educational Unit	✓	✓	Actual phase				
Public Areas of Conservation Units (State Parks)	✓	✓	Actual phase				
South Regional Airport Humberto Ghizzo Bortoluzzi (Jaguaruna Airport)	Actual phase						
Waterway Transport of Grande Florianópolis	✓	Actual phase					

Source: SC Participations and Partnerships – SCPAr – Government of the State of Santa Catarina

Project: Rita Maria Bus Station

Estimated investments: BRL 26.000.000,00

Project contracting form: Joint concession

Project Description: The Bus station, as it is known by Santa Catarina, was inaugurated in 1981 and is located in a prime area of the capital's center, with an area of 15,718.15 m². Around 5.6 thousand people pass through the terminal per day and, in 2018, more than 1 million shipments were recorded. The current staff structure to serve Rita Maria's 24/7 operation has a little less than 100 employees, including candidates and outsourced workers. The second floor of the development has a mezzanine, which today is empty, with 2,268.09 m² of area for commercial rental, in addition to the parking areas that house approximately 542 spaces.

Importance of the Project for the State: Modernization of the urban transport terminal and optimization of the economic exploitation of the asset, providing better services for citizens.

Project: Integrated Metropolitan Transport System

Estimated investments: BRL 600.000.000,00

Contracting project form: PPP

Project Description: Worldwide, the creation of metropolitan regions is a strategy between cities to develop integrated solutions that contribute to improving the population's quality of life. Using this strategy as a reference, the Grande Florianópolis Metropolitan Region was created to address issues of common interest, such as urban mobility. This study guided the public transport service to be integrated, that is, that there is a single system operating in the municipalities of the RMF. Thus arises the proposal of a new transport structure for the continental area of the RMF (Antônio Carlos, Biguaçu, São José, Palhoça, Águas Mornas, Governador Celso Ramos, São Pedro de Alcântara, Santo Amaro da Imperatriz), improving displacements and people's quality of life. The project to integrate public transport in the continental part of the metropolitan region of Greater Florianópolis will facilitate the displacement of people following the guidelines of PLAMUS - Plan for Sustainable Urban Mobility of Grande Florianópolis. The project recently won the Oracle Project of the Year in the category jobs creation, during the 13th edition of the Global Infrastructure Leadership Forum.

Importance of the Project for the State: Improvement of urban mobility in the metropolitan region of Florianópolis, in an area that includes 9 municipalities.

Project: Blumenau Penitentiary Complex

Estimated investments: BRL 190,000,000.00

Contracting form: PPP

Project Description: This project involves the construction, operation, expansion and maintenance of a Penitentiary Complex in Blumenau. In the model, part of the remuneration for the concessionary company will be generated from the Revolving Fund, financed by the work of the prisoners themselves. Today, 25% of their salaries go to the fund. The project, led by SCPar and the State Secretariat for Prison and Socio-Educational Administration, was selected as a pilot by the Federal Government and has the support of the National Bank for Economic and Social Development (BNDES). In a letter sent by the Special Secretariat of the Investment Partnerships Program, an organ linked to the Presidency of the Republic, there is also confirmation of technical support from the Ministry of Justice.

Importance of the Project for the State: Santa Catarina is a national reference in labor policy inside and outside the prison units, so the opening of new vacancies is proposed to improve the vacancy/re-educating relationship, always privileging the work and study of prisoners. In this same vein, the project fits into a social and economic development, in order to provide the private partner with the development of industrial activity with added value within the prison units, using the labor of prisoners with simplified remuneration, and training of prisoners. It is expected, therefore, that the PPP contracting model can bring an advantage in terms of cost/benefit in relation to the execution of this public policy directly by the State, in the specific terms of the object of the PPP that is being proposed.

Project: Hospital Complex of Santa Catarina

Estimated investments: BRL 590.000.000,00

Contracting project form: PPP

Project Description: This involves the construction, renovation, modernization, operation and maintenance - via a Public-Private Partnership (PPP) - of a Specialized Hospital Complex in Florianópolis, strategically aligning the following hospital units in a single place: Hospital Infantil Joana de Gusmão, Carmela Dutra Maternity, Nereu Ramos Hospital and Governador Celso Ramos Hospital. The State of Santa Catarina will optimize hospital management by bringing two new hospitals (greenfield) to operate alongside two existing hospital units (brownfield/yellowfield), which will need renovation/expansion, optimizing common services, such as hospitality, maintenance services, laundry, stock of materials, parking, security, laboratory and transportation of the sick, for example. The project is already in the execution phase with consultants hired by the Inter-American Development Bank (IDB).

Importance of the Project for the State: The administration of the hospital complex via PPP will guarantee agility in the execution of works, acquisitions and other contracts for the hospital unit, in addition to greater efficiency in the operation of the complex.

Project: Balneário Camboriú Events Center (Centro de Eventos de Balneário Camboriú)

Estimated investments: BRL 2.500.000,00

Project contracting form: Joint concession

Project Description: Located on the banks of BR 101, the Balneário Camboriú Events Center (Centro de Eventos de Balneário Camboriú) has a total area of 70 thousand m² and a capacity for an audience of 18 thousand people. The equipment includes three exhibition pavilions, convention rooms, space for shops, stands, a food court and a service wing, in addition to a parking area for approximately 875 cars. The modeling of the project was carried out by SCPar and concluded that the concession will be for 20 years, with a minimum fixed grant amount of BRL 10.6 million and a variable grant of 5% to 10% of gross revenue.

Importance of the Project for the State: Providing citizens of Santa Catarina with another alternative for leisure and entertainment, as well as optimizing the events sector in the Balneário Camboriú region, with an impact on the regional economy, mainly in the tourism sector.

Project: Luiz Henrique da Silveira Events Center (Centro de Eventos Luiz Henrique da Silveira)

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: The Luiz Henrique da Silveira Events Center (Centro de Eventos Luiz Henrique da Silveira), located in Canasvieiras, in the north of the island, has been in operation since 2016. The project has a built area of 17 thousand m², with two auditoriums, an area of 5 thousands m² for fairs, two food courts and four multipurpose rooms, with a capacity for approximately 8 thousand people. The parking lot has 770 spaces for cars, 8 spaces for people with special needs and 96 spaces for motorcycles. Located in a region with a strong tourist vocation and with a well-developed hotel sector that receives tourists from different states of Brazil, including tourists from abroad, such as Argentines, Uruguayans and Paraguayans.

Importance of the Project for the State: To stimulate the events sector in the region of Florianópolis, with an impact on the regional economy, mainly in the tourism sector.

Project: Cultural and Tourist Complex of Cabeceiras da Ponte Hercílio Luz (Complexo Cultural e Turístico das Cabeceiras da Ponte Hercílio Luz)

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: The Cultural and Tourist Complex of Cabeceiras da Ponte Hercílio Luz (Complexo Cultural e Turístico das Cabeceiras da Ponte Hercílio Luz) is the result of a joint action by several organs of the Government of the State of Santa Catarina, led by the Secretariat of State for Infrastructure and Mobility, to enable the use of the bridge's surroundings with cultural, tourist, gastronomic, sports, leisure and contemplation activities that bring vitality and urbanity to the region.

Importance of the Project for the State: The objective is that the revenues from these activities can cover the costs of operation and maintenance of the Bridge. In this way, the expectation of the Government of Santa Catarina is met to pass on Bridge's expenses to the private sector, relieving the state of this cost.

Project: Serra do Rio do Rastro Lookout

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: In one of the most exuberant places in the state, in the mountain range of Santa Catarina, there is a lookout with a privileged view of the Serra do Rio do Rastro. The Tourism Agency of the State of Santa Catarina (Santur) and SCPar work in partnership to launch the notice of Procedure of Expression of Interest (PMI). After receiving studies for the area, the project will be modeled to meet the region's economic development needs.

Importance of the Project for the State: It is understood that the exuberant nature of Serra do Rio do Rastro, combined with the gastronomy and the richness of the region's ethnicities, will make the equipment an attraction of international size. The project has great value for its innovation and repositioning of Santa Catarina alongside major international tourist destinations.

Project: Sapiens Parque

Estimated investments: BRL 500.000.000,00

Project contracting form: Privatization

Project Description: Sapiens is an innovation park that has infrastructure and dedicates its space to shelter enterprises, projects and other innovative strategic initiatives for the development of a region. It is structured as a Special Purpose Company of the type SA, privately held, controlled by the Government of Santa Catarina through CODESC (in extinction) and SCPar, and also has the CERTI Foundation as a minority partner.

Importance of the Project for the State: The privatization process will maintain the Park's technological and innovation DNA, but it will understand the venture as a real estate business for the development of the northern region of the island of Florianópolis.

Project: Socioeducational Unit

Estimated investments: BRL 31,000,000.00

Project contracting method: PPP

Project Description: The increase in the number of adolescents in socio-educational care in recent years has led to an increase in direct spending on food, hygiene, clothing and health. Associated with this characteristic, in view of the issuance of updated regulations and in line with international regulations, there was a need to expand and adapt the structures, through new constructions aimed at serving this public, as well as the need to increase the servants who work in the development of activities in the Socioeducational Centers. In the modeling, the private partner will be responsible for a construction arrangement, according to parameters previously defined in SINASE and subsequent operationalization of the socio-educational unit. The technical-operational functions related to the operational and socio-pedagogical execution of socio-educational measures will compete. The project has the support of the United Nations Office of Project Services (UNOPS), from resources of an agreement in partnership with the Ministry of Women, Family and Human Rights (MMFDH), the Special Secretariat of the Partnership Program of Investments of the Ministry of Economy (SPPI) and the Fund to Support the Structuring of Concession and PPP Projects (FEP-CAIXA).

Importance of the Project for the State: The project will face the high cost of creating and maintaining new vacancies for the State, and will make it possible to increase the number of adolescents in socio-educational care. The project, unprecedented in the world, will bring proposals for innovations in management, infrastructure and care that enable a more effective insertion in society of adolescents in conflict with the law, and its approach can be replicated from the experience developed here.

Project: Public Areas of Conservation Units (State Parks)

Estimated investments: Under study

Project contracting form: Joint concession

Project Description: Encouraging the development of the state's tourist vocation, by improving the attractiveness of state parks as tourist destinations. It should be noted that Santa Catarina is a state that combines some of the best socioeconomic indicators in the country with an undeniable tourist vocation, which already attracts a large number of national and international visitors and has a tourist infrastructure above the country's average. Five conservation units were selected that meet the best viability conditions, considering the aspects of land tenure regularity, existence of management plans, ease of access and tourist attractiveness. The project is being carried out based on a contract signed between the Instituto do Meio Ambiente (IMA) and the National Bank for Economic and Social Development (BNDES), with the intervention of SC Participações e Partes SA (SCPAR).

Importance of the Project for the State: The entry of private investors in the management and sustainable tourism exploitation of these assets has the potential to alleviate the financial pressures arising from the State's commitments in this segment, and may eventually even represent the inflow of resources as grants. On the other hand, stimulating the development of the State's tourist vocation, through improving the attractiveness of state parks as tourist destinations, is important to leverage the inflow of resources into the State's economy.

Project: South Regional Airport Humberto Ghizzo Bortoluzzi (Jaguaruna Airport)

Estimated investments: BRL 12.000.000,00

Project contracting form: Joint concession

Project Description: The Southern Regional Airport, Humberto Ghizzo Bortoluzzi, is located in the municipality of Jaguaruna in Santa Catarina. It is located in a heritage area of 311ha, at an elevation of 35 meters above sea level, and has the second largest take-off and landing strip in southern Brazil, with 2,500 meters long and 30 meters wide. The maneuvering area has two taxiway exits allowing excellent operational gain. The purpose of the concession is to attract investments to increase the supply of services, improve airport infrastructure, improve the quality of services provided, considering that the private entity has greater flexibility in leveraging new business.

Importance of the Project for the State: Attract investments to increase the supply of services, improve airport infrastructure, improve the quality of services provided, greater flexibility of the private sector in leveraging new business.

Project: Waterway Transport of Grande Florianópolis

Estimated investments: BRL 15,650,000.00

Project contracting form: Joint concession

Project Description: To improve urban mobility in the Island-Continent connection through collective waterway transport, based on intermodality and system integrations, with vessels suitable for comfort and safety, within a tariff adequate to the operational reality and to the passenger, reducing travel time and improving the quality of urban life.

Importance of the Project for the State: Improvement of urban mobility in the metropolitan region of Florianópolis.



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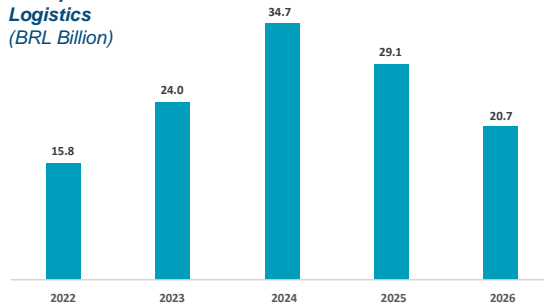


**FEDERAL, STATE
AND MUNICIPAL
INVESTMENT
PROJECTIONS: 2022 – 2026**

10. FEDERAL, STATE AND MUNICIPAL INVESTMENT PROJECTIONS: 2022 – 2026

The objective of the consolidated projections by sector of activity contemplated below is to provide an analysis of the scenario expected for the coming years, to determine whether investment gaps (actual vs projected) are narrowing or widening.

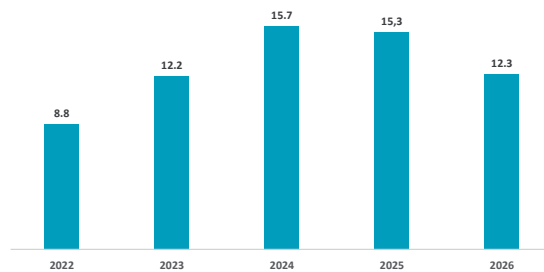
Transport and Logistics (BRL Billion)



It includes projects to be auctioned and projects bidding from 2019, in the initial phase of investments under the responsibility of the private sector. Calculation made based on the expected date of bidding/extension of the contracts. For methodological information see Appendix.

Source: Calculations prepared by Abdib's planning and economics board based on data made available by the state governments and the Federal Government's PPI.

Highways (BRL Billion)



Note: During the period, the first 5 years of the projects are analyzed. It includes projects to be auctioned and projects bidding from 2019, in the initial phase of investments under the responsibility of the private sector. Calculation made based on the expected bidding date/extension of contracts. For methodological information see Appendix.

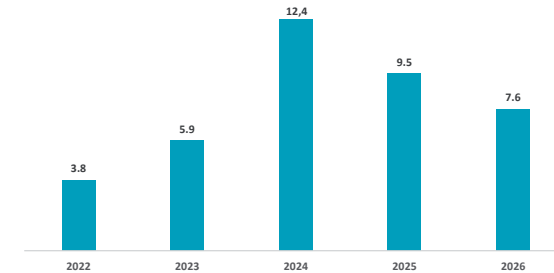
Source: Calculations prepared by Abdib's planning and economics board based on data made available by the state governments and the Federal Government's PPI.

The projection of consolidated investments of federal, state and municipal (capital) projects for the transport and logistics sector contains information on road and rail modes, as well as ports, airports and urban mobility (metro and urban trains). The sector has historically presented the need for investments. In 2020, BRL 23.0 billion were invested, 0.31% of GDP, against a need of 2.46% of GDP.

Important auctions of 2021, demonstrating private interest in assets such as airports, ports, highways and railways. In these assets alone, investments of BRL 10 billion are expected. Additionally, the last quarter's auctions should guarantee another BRL 40 billion for the coming years. At the end of the year, BRL 50 billion will be invested in programmed for the next 30 years. The next auctions scheduled for 2022 represent an additional volume of investment, for the next years, of around BRL 339 billion, to be carried out with predominantly private resources through concessions and/or PPPs.

The highway sector plays a relevant role in the Brazilian transport matrix, with 60% of products transported by this modal. The Federal Government and States structure important projects to be taken to the private sector. Only in the paved federal grid, there is expectation on the part of private participation in concession programs. States such as São Paulo, Rio de Janeiro, Minas Gerais, Mato Grosso, Mato Grosso do Sul, Rio Grande do Sul, Santa Catarina and Piauí are already developing their concession programs with important results in improving the grid granted. Currently, the State of Paraná is structuring an ambitious concession program, which intends to grant more than 3,300 kilometers of highways. Pernambuco and Goiás are other states that have already started technical studies for the concession of state highways.

Railroads (BRL Billion)



Note: During the period, the first 5 years of the projects are analyzed. It includes projects to be auctioned and projects bidding from 2019, in the initial phase of investments under the responsibility of the private sector. Calculation made based on the expected bidding date/extension of contracts. For methodological information see Appendix.

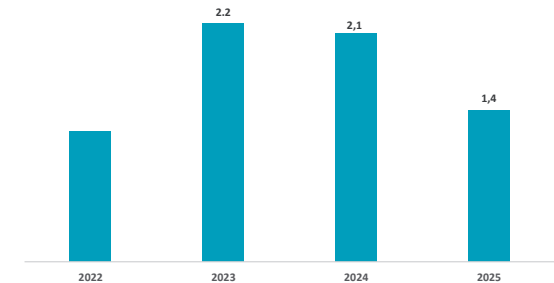
Source: Calculations prepared by Abdib's planning and economics board based on data made available by the state governments and the Federal Government's PPI.

with a grid of 30,000 kilometers of tracks, but far short of the needs given the country's mainland resources, whether in transport

An ambitious program of auctions and contract extensions has been taking place in recent years, with a significant increase in investments in the sector. In 2019, we signed the Norte-Sul contract, transferring the concession to Rumo. In 2020, early contract extensions were signed for Malha Paulista (Rumo), Vitória-Minas Railroad (Vale) and Carajás Railroad (Vale). In 2021 we had the concession of section I of Fiol to the company Bamin. The auction for Ferrogrão is scheduled for the end of 2022 and for the end of 2023 for Ferroeste.

In the port sector, bidding for terminal concessions for the private sector has advanced. Between 2019 and 2021, 27 port terminals were tendered/signed with investments in excess of BRL 2.8 billion. For 2022, advances are expected in the privatization schedule Port of Santos, São Sebastião, Vitória, Salvador and Itajaí (values not included in the projection below).

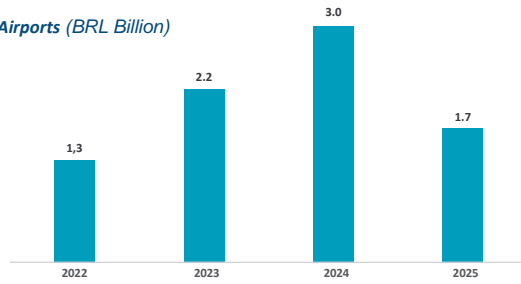
Ports (BRL Billion)



Note: Ports with privatization forecast are not included in the investment projection. In the calculation are the investments foreseen in the terminals. period, the first 3 years of the projects are analyzed. Calculation made based on the expected bidding date. For methodological information see Appendix.

Source: Calculations prepared by Abdib's planning and economics board based on data made available by the state governments and the Federal Government's PPI.

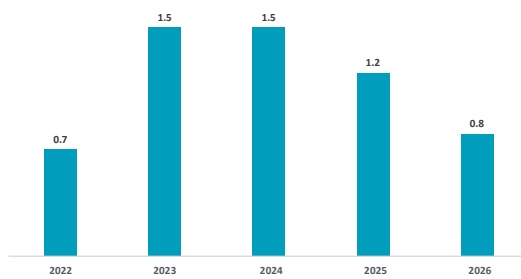
Airports (BRL Billion)



Note: During the period, the first 3 years of the projects are analyzed. Calculation made based on the expected bidding date. For methodological information see Appendix.

Source: Calculations prepared by Abdib's planning and economics board based on data made available by the state governments and the Federal Government's PPI.

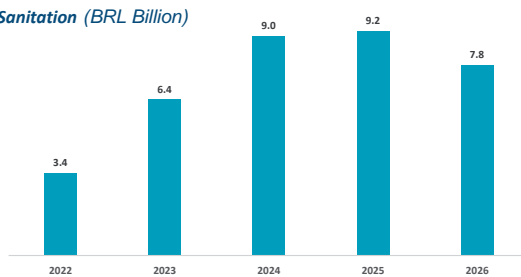
Urban mobility (Subway and urban trains) (BRL Billions)



Note: During the period, the first 5 years of the projects are analyzed. Calculation made based on the expected bidding date. For methodological information see Appendix.

Source: Calculations prepared by Abdib's planning and economics board based on data made available by the state governments and the Federal Government's PPI.

Sanitation (BRL Billion)



Note: The predicted values do not represent the predicted values for the privatization/concession projects. The values in the graph represent the predicted values for the first 5 years of the service concession.

Source: Calculations prepared by Abdib's planning and economics board. For methodological information see Appendix.

2022 to the 7th bidding round for airport terminals, with estimated investments of BRL 8.0 billion. Between 2019 and 2021, 34 airport terminals were tendered with investments in excess of BRL 9.6 billion. Important regional airport projects have taken place. In 2021, it is worth mentioning the tender for the regional airport of Pampulha in Minas Gerais (expected investment of BRL 151 million), and the progress of the projects for the Airports of Parnaíba in Piauí and Barreirinhas in Maranhão.

Urban mobility projects are advancing, but without the necessary speed for the expansion of the metro-railway grid. In 2021, we can highlight the bidding for CPTM's lines 8 and 9, carried out by the government of São Paulo, and the Belo Horizonte Metro project, which in 2021 entered the portfolio of projects of the Investment Partnerships Program. (PPI), with important support in the preparation of project studies. Despite the various advances, other projects are awaiting progress, such as the Intercity Train of the Government of São Paulo (ICT) and the concession of Metro of the Distrito Federal. For the projects alone, Metro de Belo Horizonte, ICT and Metro do Distrito Federal, investments of BRL 13.0 billion are foreseen.

The sector is the one with the greatest lack of care with great social and public health impact.

As a result of the new regulatory framework for the sector, there has been an important with investment perspectives of around BRL 60 billion in projects under study at BNDES. By 2033, around BRL 600 billion in investments are expected to make sanitation universal in water and sewage services. In 2021, it is worth highlighting the success of the Cedae auction in Rio de Janeiro, with the collection of BRL 22 billion and investments foreseen, only in the 3 auctioned blocks above BRL 30 billion. The fourth block is scheduled for bidding in 2022. Also in 2021, sanitation was granted in the State of Amapá.

Electric Power

The electric energy sector, in relative terms, is recognized by the market for having a higher regulatory maturity than other sectors of Brazilian infrastructure and with a long-term planning instrument, such as the PNE 2050.

In the last decades, the sector has undergone a great advance of private participation in the areas of generation, transmission, distribution and commercialization. The existing exception is Eletrobrás, which holds about 30% of the generation market and 45% of the transmission market.

Regulated activities include new generation and transmission auctions, which are defined in an integrated planning action carried out jointly by the Ministry of Mines and Energy (MME), the Energy Research Company (EPE) and the National Energy Agency. Electric Energy (ANEEL). The contests are based on public sector studies, with the participation of market agents. Transmission and distribution operate the network structure, carried out through auctions established for the interconnection of the country's regions.

The 2021 water crisis reinforced the need for a broader debate on planning, the energy transition model and the perennial implementation of measures that constantly encourage increased energy efficiency. Today, energy planning is done using metrics, known as physical guarantee, but climate change requires a new planning that must be done mainly based on the analysis of climate change, and this is the great challenge of the sector.

Furthermore, in distribution, a point of extreme relevance and necessary forwarding is the significant and worrying drop in the PLD – Settlement Price of

Differences, with an impact on distributors' cash estimated at BRL 8.0 billion.

The approval of Law 14,182/2021, which allows the privatization of Eletrobrás, through a capital increase and dilution of the public control position is an important milestone for the sector, with the prospect of increasing sectoral investments.

The sector's investment projection requires that changes in the energy matrix model be analyzed, with the redesign of the variables that impact sectoral planning, such as the climate variable, so it is difficult to project investments futures.

The sectoral complexity, institutional and operational changes, as well as the ongoing discussions demand new models of projections for the sector that firstly go through a definition of new paths for the electricity sector.

Telecommunications

The telecommunications sector has 100% private participation in investments, and the gap between the reality and the need for investments is balanced. Investments in the sector occur for the modernization and positioning of companies in the market. The 5G auction with the bidding for the 700 MHz, 2.3 GHz, 3.5 GHz and 26 GHz bands will bring investments estimated at BRL 160 billion to the telecommunications sector in the coming years.



CONSIDERATIONS

FINALS

11. FINAL CONSIDERATIONS

Despite the progress of important projects in highways, railroads, ports, airports, urban mobility and sanitation, investments in infrastructure are still insufficient to meet the needs of the sector. In this sense, Abdib presents some points worth mentioning to advance the development of investments in the infrastructure sector in the coming years. Such as: medium and long-term planning; improvement of the regulatory, legal and institutional environment; economic and financial rebalancing of contracts; treatment of the environmental issue; importance of public investment. Translated with www.DeepL.com/Translator (free version)

Medium and Long Term Planning

Medium and long-term planning must have a systemic view of the development strategy and well-structured projects, with economic rationality, preceded by studies and evaluations to identify the positive economic and social impacts that justify the investment, either through the public budget or through public-private partnerships (PPPs) or concessions.

Improvement of the regulatory, legal and institutional environment

Despite the approval of important regulatory reforms, we reinforce that some legislative measures have already been widely discussed and are able to be voted on more quickly.

PL 7063/2017 – Concessions and PPPs – Consolidates and establishes rules for concessions in all modalities and creates a General Concessions Law, updating mechanisms;

PL 2646/2020 – Infrastructure Debentures – Institution of a new type of debentures, infrastructure debentures, with tax incentives for the bond issuer, with the main objective of attracting institutional investors.

PL 4199/2020 – Cabotage – Establishes the Program to Stimulate Transport by Cabotage – BR do Mar – with measures to encourage cost reduction, expansion of routes and increased competition in chartering and transport of cargo by freight cabotage;

PLs 261/2018 and MP 1065/2021 – Provides for the implementation of new trails by the private sector through the authorization system, without the need for an auction.

PLs 232 / 2016 - Reform of the Electricity Sector Model - Measures that promote a regulatory review and an improvement in the electricity sector model, aiming to increase efficiency and competitiveness in the sector.

PL 2159/2021 – Creates the General Environmental Licensing Law, establishing general rules for the licensing of activities or undertakings that use environmental resources and institutes strategic environmental assessment.

In addition to the progress of regulatory measures, it is important to improve legal and institutional security.

As an example of legal uncertainty, there is the Direct Action of Unconstitutionality (ADI) 2,946, presented by the Attorney General's Office (PGR), which deals with article 27 of law 8,997/1995 questioning the transfer of shareholding control and of concession contracts without public bidding.

The ADI judgment has been resumed and while it does not take place, it will cast doubt on several operations carried out by the private sector in more than two decades. This situation has paralyzed financing operations in several infrastructure projects.

Economic and financial rebalancing of contracts

Adequate coordination between public bodies (ministries, TCU and regulatory agencies) is important to speed up the definitions of economic-financial rebalancing of contracts. In addition, there is a need to constantly improve effective contractual predictability instruments, such as, for example, a risk matrix with a clear definition of responsibilities and risks assumed by the public and private sectors.

Treatment of the environmental issue

One of the fundamental issues for attracting investors is the definition of clear rules for the conduct of environmental policy. The environmental issue is a subject of deep international debate and the proper direction of the policy towards the country's environment is a decisive factor for the allocation of international capital. Large companies, international funds analyze investment possibilities with an analysis of how the country deals with environmental issues. At the COP 26 held in Glasgow, Brazil was a signatory to several commitments to reduce carbon emissions. It will now be important to monitor the execution of these commitments. Gain relevance ainda os pilares ESG na definição de alocação de investimentos globais.

Gain further relevance the ESG pillars in defining global investment allocation.

In addition, it is important to speed up the process of analyzing environmental licensing. Either through the conclusion of the processing of PL 2159/2021, which aims to consolidate environmental standards, and in the reinforcement of the staff of environmental bodies, such as IBAMA.

Importance of public investment

As a result of the projections presented, it is unmistakable that there will be a significant growth in private investment in infrastructure. The question that arises is whether this will be enough to address the deficiencies of the infrastructure if public investment remains at the low level of recent years.

As an important example of this finding, we can observe that in the transport and logistics sector, the investment gap is substantial. In 2020, the sector invested BRL 23.0 billion (0.31% of GDP), with the private sector having a share of BRL 13.5 billion and the public sector BRL 9.5 billion. The graph below shows investment projections for the next 5 years in this sector, which considers private and public investment in highways, railways, ports and airports. In the projected period, even at the apex

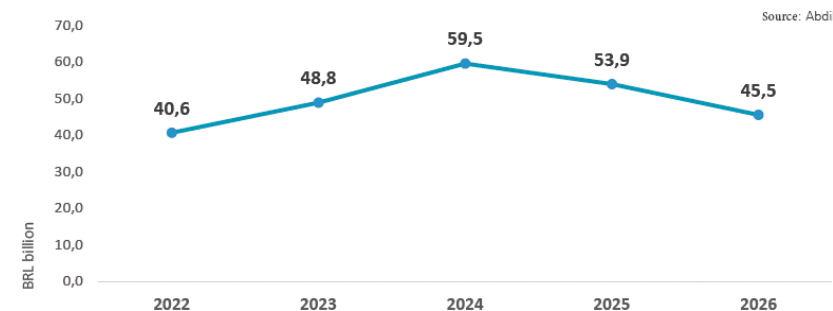
the investments that would be reached in 2024, the total investment for the sector would be R\$ 59.5 billion (equivalent to 0.80% of the GDP) ¹. However, in order to supply the investment needs of this sector, corresponding volumes of at least about R\$ 150 billion (2.26% of the GDP) would be required annually over the next 10 years.

Therefore, even with the broad program of PPPs and concessions carried out predominantly by the private sector, the needs to overcome structural and historical bottlenecks must also be supported by the increase in public investment, especially in projects in which the economic conditions inherent to the business itself, which allow for the integrality of private investment.

In this sense, to help improve the State's fiscal conditions, and consequently, the public sector's investment capacity, it is important to move forward with the approval of PLP 459/2017, which deals with the securitization of the renegotiated tax debt of public entities.

We emphasize that all the above highlighted points are widely discussed with society and preceded by a stable institutional political environment, which provides investors with greater security and predictability so that investment decisions are taken as quickly as Brazil can need.

Projection of Investment in Transport and Logistics (BRL billion)



Source: Abdib

Note: The information considers the average of the last 3 years of private investments and the last year of public investment to define the starting investment base. Projections of new investments consolidated by the survey of the Blue Book of Infrastructure are added to the base scenario.

¹ Projected number considering the 2020 GDP.

12. APPENDIX

Methodology

Definitions

In the investment projection model, projects from the federal government, states and municipalities portfolio were considered, for the highways, ports, airports, railways, subway, cptm and sanitation sectors. Projected investments are calculated based on new projects that have a bidding date disclosed by the granting authority for the coming years. Also included in the projection model are projects tendered in the last 3 years, but which are still in the initial investment phase. It is important to highlight that the bidding date may change, by definition of the granting authority, and this will impact the projection over the next few years. Therefore, the data presented here will be updated periodically. In the model, projections were made for sanitation, highways, railways, subway and cptm for a period of 5 years. As for airports and ports, the projected period was 3 years.

Calculation

From the total value of investments, the percentages of investments in the first years of the concession of each individual project are calculated, where the largest investment volumes are contractually made. At the end, we calculated the sum of investments from 2022 onwards, for the coming years. It is worth noting that new projects placed on the market are included as they are disclosed. The model is dynamic and allows incorporating these new projects. The projection of investments considers the behavior of each sector, respecting its particularities, and the behavior over the years. On average, a project after bidding has its contract signed after 3 months, where investments begin. If the project was tendered, for example, in the 4th quarter of 2021, the distribution of investments will start from 2022. Likewise, if a project was bid on in the 2nd quarter of the year, in this case investments start from the 3rd quarter. The projected values are based on the study of projects already underway, with the calculations made after consultation with the designers and operators of the respective sectors.

13. NOTES

Highway state classification - CNT data - 2019 CNT Highway Research. Analysis based on the entire federal road grid and main paved state sections. Total grid surveyed in Brazil 108,863 km. In the North region analyzed 13,426 km of highways.

Electricity consumption in the simple system - EPE Data - Energy Research Company

Electric power generation - EPE Data - Energy Research Company.

ISLU - Sustainability Index for Urban Cleaning is an index created in partnership by the National Union of Urban Cleaning Companies - Selurb and PricewaterhouseCoopers - PwC. ISLU adopts the same methodology used in studies that contribute to decision-making on public policies in different sectors. One of the best known examples is the Human Development Index - HDI. The HDI is presented in a single number ranging from 0 (zero - low development) and 1 (one - high development), the closer to 1, the more developed the country, state or municipality is considered. At ISLU, the results generated after the calculations relate exclusively to the status of the municipality regarding compliance with the PNRS, the closer to 1, the greater the municipality's adherence to the PNRS - Brazilian National Policy on Solid Waste

GDP. Source: IBGE GDP in current values. Share in gross added value. GDP in the States analyzed from the perspective of production and income.

Listed state projects. Projects informed by the States.

Municipal projects listed. Projects informed by City Halls.

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