

Rio de Janeiro State

State's Protagonism with the New Gas Market



GOVERNO DO ESTADO
RIO DE JANEIRO
VAMOS VIRAR O JOGO

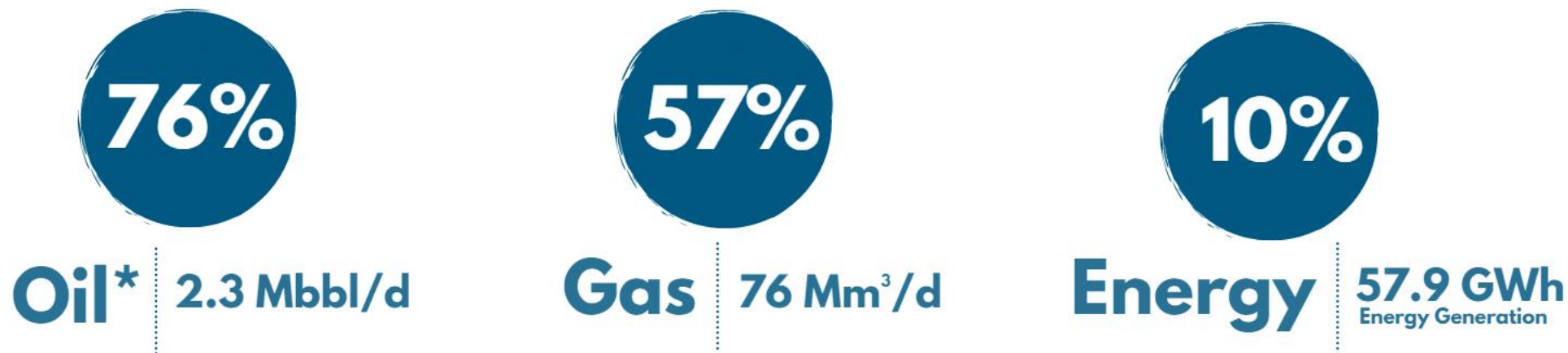
State Department of Economic Development, Energy and International Relations - SEDEERI

Undersecretariat of Oil, Gas and Energy - SOGE

- **Business Environment Enhancement**
- **Governance (Dialogue and Transparency)**
- **Contract Stability**
- **Regulatory and legal predictability**
- **Competitiveness Against Other States**
- **Increased Economic Productivity**



NATIONAL PARTICIPATION

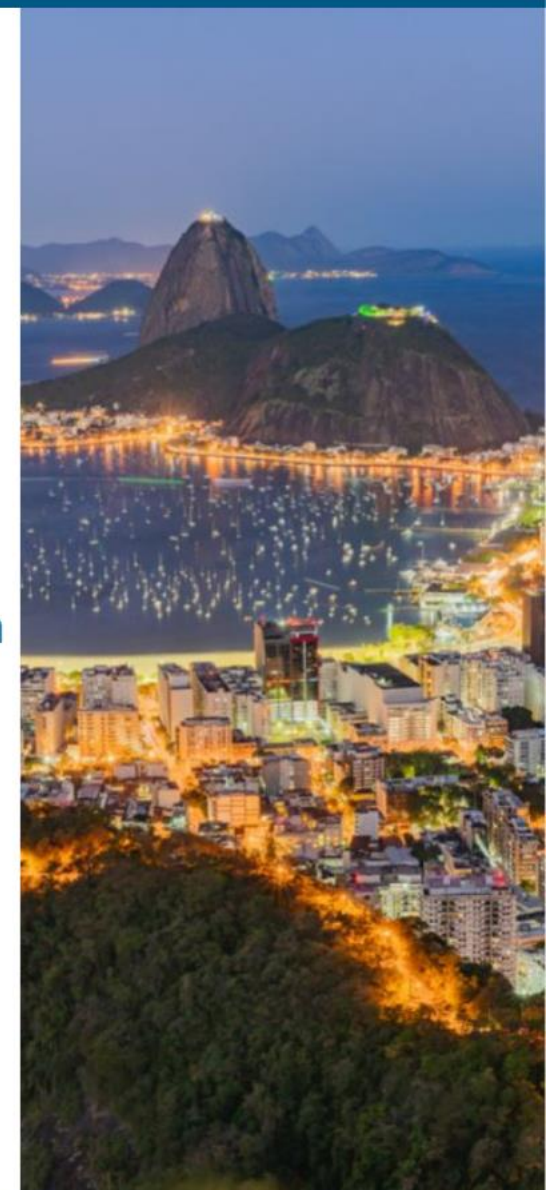


*Brazil: 9th Largest Producer in the World

Rio de Janeiro: 13th



Rio de Janeiro exports 33% of the generated energy in the state to the rest of the country



The New Gas Market



State of Rio is promoting actions in line with the Federal Government in order to create the "New Gas Market" – an open, dynamic, competitive and integrated market to the energy matrix.

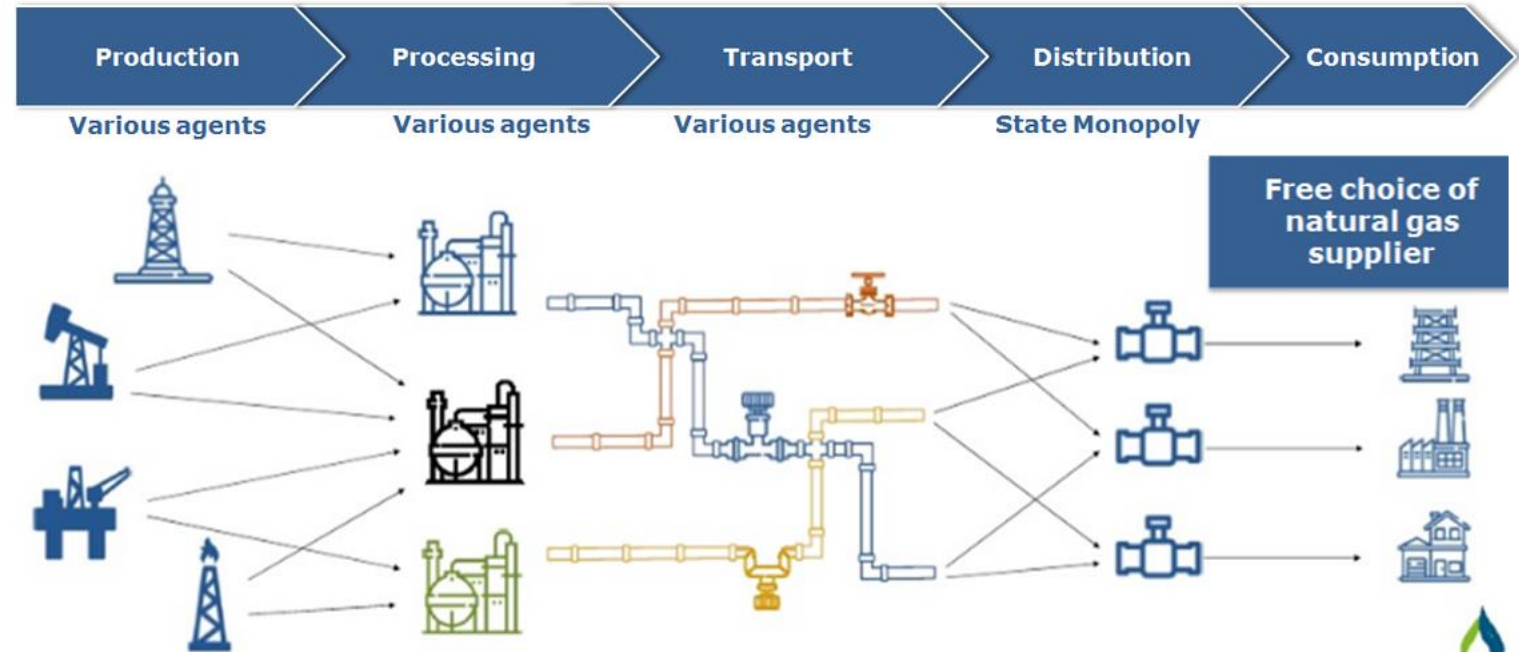
Main Pillars

Stimulate Competition

Removal of Tax Barriers

Harmonization of State Regulations

Integration with the Electric Sector



Fonte: Elaboração IBP.

New State Regulation



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AGENERSA N° 3862 Regulation

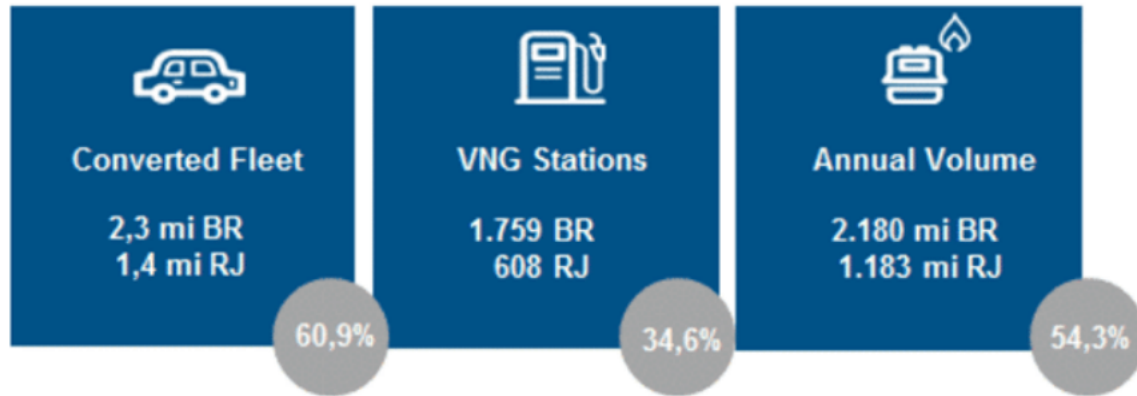
AGENERSA has recently improved the regulation for the piped gas distribution service for Free Agents -which are gas intensive consumers.

Measures	Before	After
Minimum Volume for Free Agents	25.000 m ³ /dia	10.000 m ³ /dia
Free Agents	Difference in treatment between CL, AP e AI	Isonomy in between CL, AP e AI
Tariff for Free Agents	22.5% discount for AP and AI with Dedicated Pipeline	Specific methodology for new consumers with Dedicated Pipeline
Marketer Discount	1.9%	Under Study
Pipe Construction	LDC's Monopoly	Investor's Preference



Gas for Transports

Brazil imports in diesel the equivalent of
39 million m³/day of gas



Expected Benefits

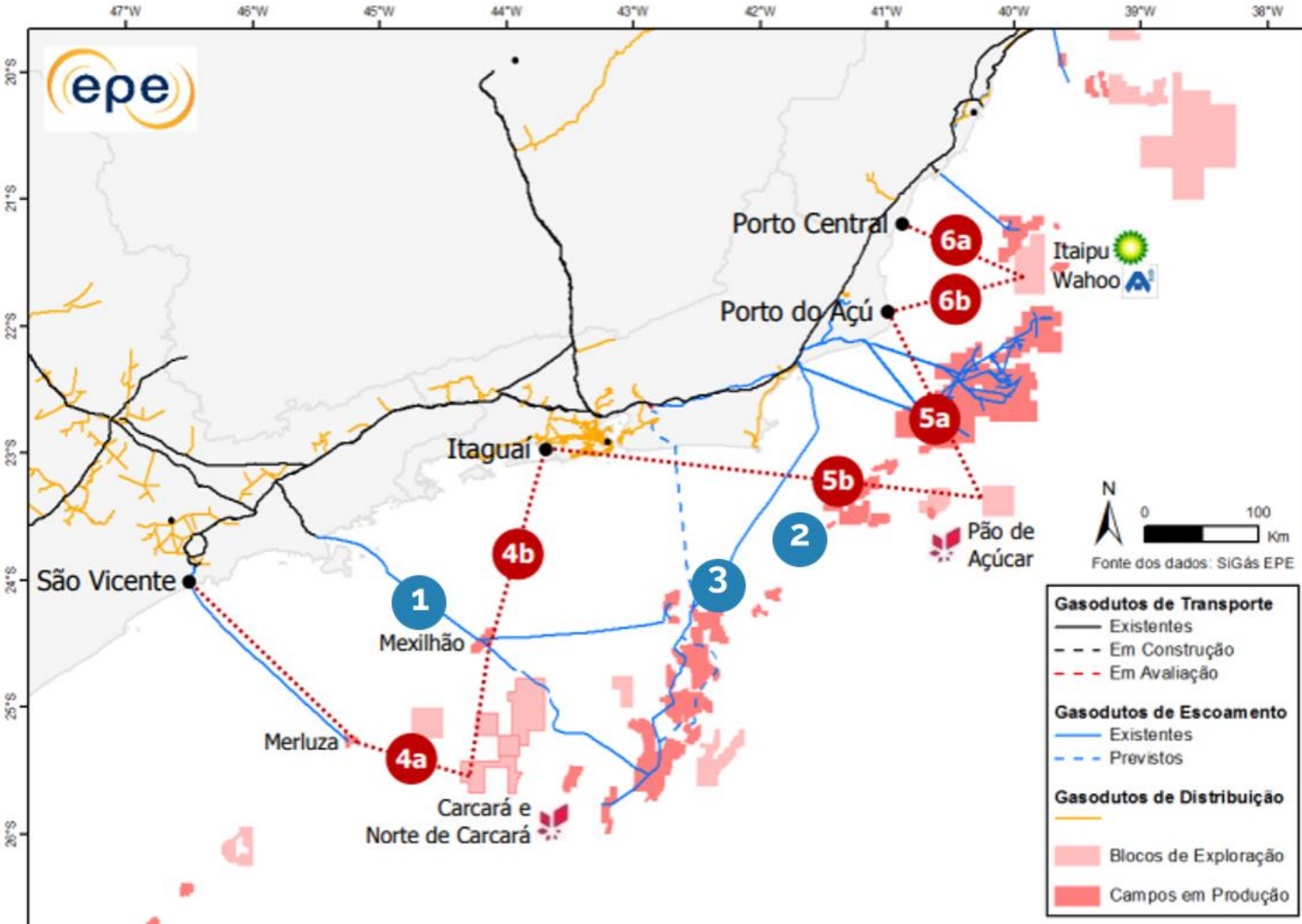


- Energy Matrix Diversification
- Reduction of diesel oil imports
- Reduction in Transport Costs
- Greenhouse Gas and particulate emission reduction
- Noise Reduction

Working Group focused on Structuring Projects using Gas:

- VNG Gas Station Expansion
- Intensified Use of NG in Heavy Vehicles

Gas Logistics



Route	Capacity	Status
1 Caraguatatuba	10 MM m ³ /d	In Operation
2 Cabiúnas	16 MM m ³ /d	In Operation
3 COMPERJ	18 MM m ³ /d	In Construction
4a São Vicente	10-15 MM m ³ /d	In Study
4b Itaguaí	10-15 MM m ³ /d	In Study
5a Porto do Açú	10-15 MM m ³ /d	In Study
5b Itaguaí	10-15 MM m ³ /d	In Study
6a Porto Central	10-15 MM m ³ /d	In Study
6b Porto do Açú	10-15 MM m ³ /d	In Study

Total Capacity

**Current: 44 MM m³/day
Potential: 74-89 MM m³/day**

LOGISTIC INFRASTRUCTURE

Legenda:

	Ferrovia MRS	
	Ferrovia FCA	1.321 km
	Rodovia Federal	
	Rodovia Estadual	7.378 km

- Porto
- Aeroporto
- EADI - Estação Aduaneira do Interior

Tipo de Serviços Portuários :

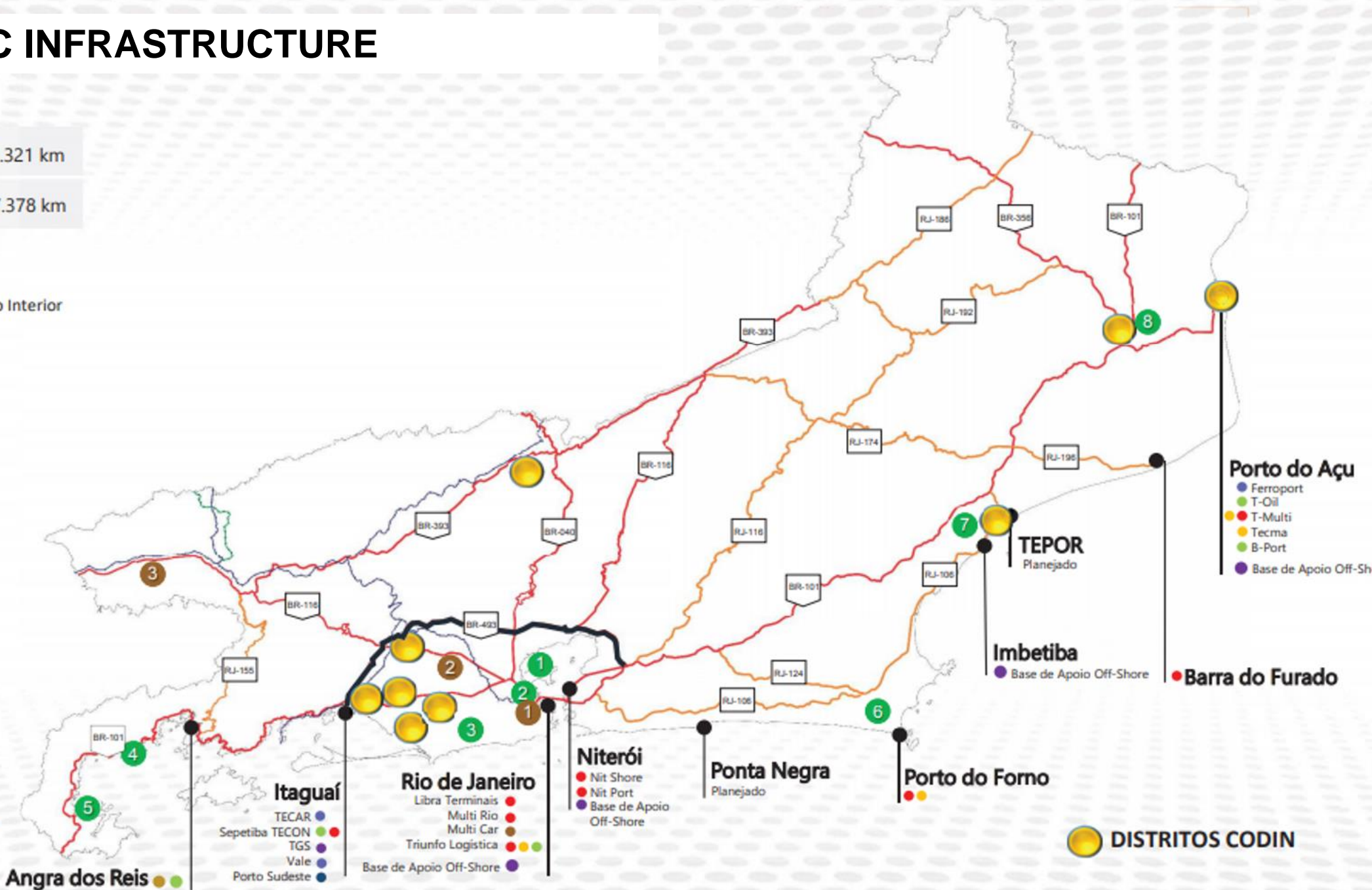
- Carga Geral
- Container
- Granel Sólido
- Minério de Ferro
- Combustível Marítimo
- Base de Apoio Off-Shore
- Terminal de Veículos
- Estaleiro

Principais Aeroportos

- 1 Galeão
- 2 Santos Dumont
- 3 Jacarepaguá
- 4 Angra dos Reis
- 5 Parati
- 6 Cabo Frio
- 7 Macaé
- 8 Campos

EADI - Estação Aduaneira do Interior

- 1 Rio de Janeiro
- 2 Nova Iguaçu
- 3 Resende



Porto do Açu

- Ferroport
- T-Oil
- T-Multi
- Tecma
- B-Port
- Base de Apoio Off-Shore

- TECAR
- Sepetiba TECON
- TGS
- Vale
- Porto Sudeste

- Libra Terminais
- Multi Rio
- Multi Car
- Triunfo Logística
- Base de Apoio Off-Shore

- Nit Shore
- Nit Port
- Base de Apoio Off-Shore

DISTRITOS CODIN

Rio de Janeiro State Protagonism



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- **Transparency in the piped gas distribution service tariff calculation methodology**
- **Efficiency in the gas acquisition by LDCs.**
- **Autonomous Regulatory Agency**
- **Adherence to tax adjustments**
- **Network expansion policy with economic criteria**



The National Congress plays a main role in discussing and improving the legal framework

- Changing the license to operate from concession to authorization for the transport and stock of NG;
- Access to essential infrastructure (LNG flow, processing and terminals);
- Natural gas transport activity unbundling;
- Mechanisms for Gas Release;



Thank You

#VAMOSVIRAROJOGO

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