Renewable Energy Funding

May 2018





Who we are

292 agencies, 6.925 employees e 3,98 million customers

Regional market-share dominance¹

62,6% of long-term credits64,7% of rural credits7,8% of all bank agencies in the region

Profits

Operating income: US\$ 344.6 million

Net income: US\$ 213.5 million Return on average equity: 19.8%

Bank applications

R\$ 8.27 billion

Assets

BNB US\$ 16.9 billion FNE US\$ 23.3 billion

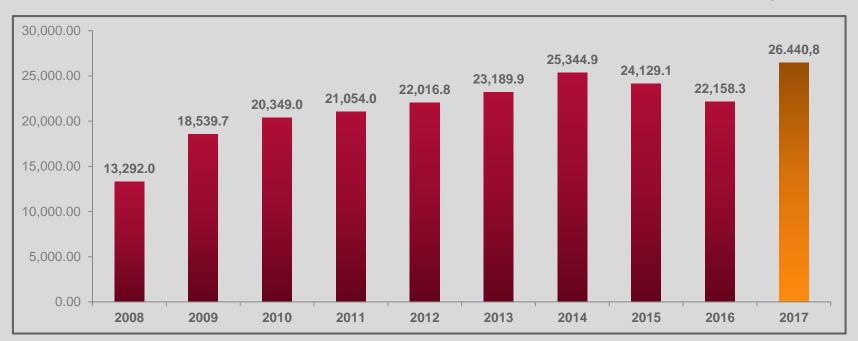


¹ Sisbacen – Central Bank/Marketing Departament-BNB (Oct/2017)

BNB credit applications

4.879.524 credit agreements in **2017**

US\$ million



The Northeast Constitutional Financing Fund

- Created by the Brazilian Federal Law 7827/1989, making 1.8% of the national income tax (IR) and the tax over industrialized products (IPI)
- Guidelines defined by the Ministry of National Integration and the Northeast Development Superintendency -Sudene
- Resource allocation plan defined in the FNE Annual Programming, prepared by the Northeast Bank and approved by Sudene's Deliberative Council
- Several Financing Programs
 SECTORIAL Rural, Irrigation, Agrin, Industrial, Aquipesca,
 Profrota Pesqueira, Proatur, Commerce and Services,
 Proinfra, FIES

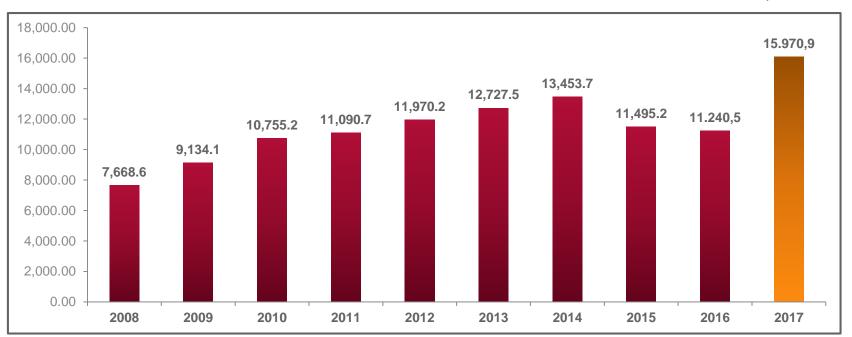
MULTISECTORIAL

MPE, Pronaf, FNE-Inovação (Innovation) and FNE-VERDE (Green)

BNB credit applications

582.687 credit agreements in 2017

US\$ million



Our marketing differentials

BNB has differentiated products for different costumer profiles



Territorial
Development
Program



AgroAmigo Sol (Sun)



FNE Sol (Sun)



BNB Card



FNE Água (Water)



BNB Agro Card



US\$ 2,5 billion
Total applications in 2017

4.025.934Number of operations in 2017

2.001.150Active costumers in Dec/31/2017

67% women

38% with monthly family income of up to R\$ 1,000.00 (US\$ 313.30)

43% recipients of the family grant (Bolsa Família)



US\$ 720.5 million
Total applications in 2017

518,697Number of operations in 2017

1,214 millionActive customers in Dec/31/2017

73% in the semiarid region

Over **85%** with annual family income of less than R\$ 10,000.00 (US\$ 3,132.83)

61% recipients of the family grant (Bolsa Família)

The Territorial Development Program

It consists in a Bank strategy to improve territorial and local development by organizing, strengthening and increasing the competitiveness of the region's economic activities.

Goals

- To strengthen the productive chains of the prioritized activities
- To incorporate technological innovations into productive activities
- To promote the participation of local economic agents in the development process
- To promote integrated and targeted financing of productive activities
- To improve the living conditions of the regional population





The Development Agent

The program relies on the work of our Development Agents, who make the link between the Bank and the economic and institutional agents to establish and strengthen local and territorial governance, focused on the elaboration, implementation and evaluation of territorial action plans.



Role of the Development Agent

- To understand the territorial reality
- ے م^کے
- To articulate local actors and to facilitate the process of construction, implementation and avaluation of territorial action plans

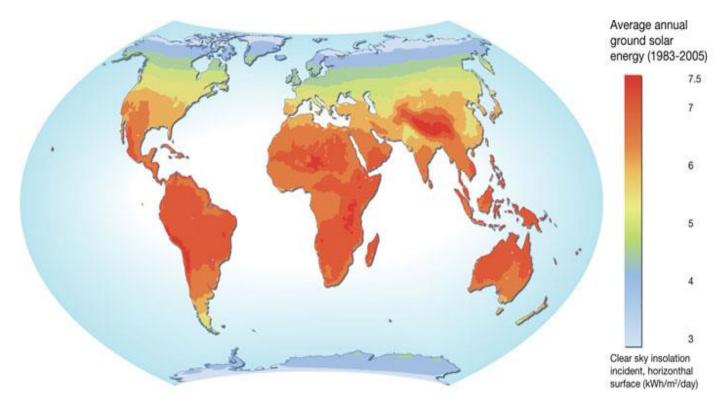
The Territorial Development Program

How the program works

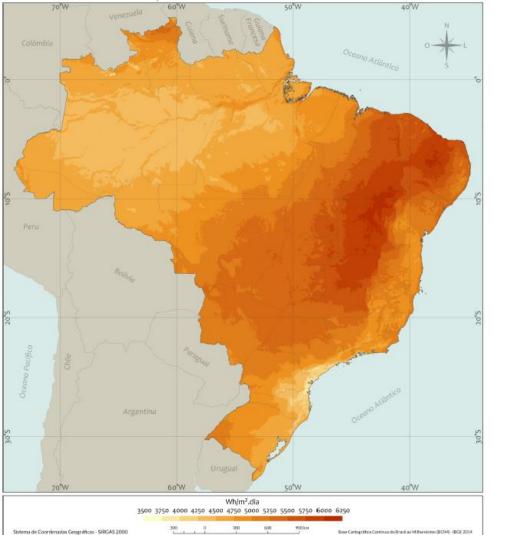
- 1. Select municipalities
- 2. Prioritize economic activity
- 3. Form Local/Territorial Manager Committee
- 4. Build Territorial Action Plan
- 5. Launch Territorial Action Plan (TAP)
- 6. Identify the Economic Agents
- 7. Finance Credit Demands
- 8. Run, Monitor and Evaluate the TAP
- 9. Strengthen Local and Territorial Governance



World Solar Energy Potencial



Source: Nasa



Solar Irradiation in Brasil

The Northeast semi-arid region of Brazil presents the highest levels of solar irradiation in the country, favoring the implementation of solar power generation projects.

Solar Photovoltaic Generation

Installed capacity, position: Feb/28/2018

	NET METERING		CENTRALIZED	GENERATION	TOTAL	
GEOGRAPHICAL UNIT	POWER (KW)	% BRAZIL	POWER (KW)	% BRAZIL	POWER (KW)	% BRAZIL
BRAZIL	197.734,71	100,0%	1.021.601,63	100,0%	1.219.336,34	100,0%
NORTHEAST	39.914,58	20,2%	746.824,77	73,1%	786.739,35	64,5%
AL	1.216,10	0,6%	-	0,0%	1.216,10	0,1%
ВА	4.996,60	2,5%	344.667,80	33,7%	349.664,40	28,7%
CE	12.721,96	6,4%	5.000,00	0,5%	17.721,96	1,5%
MA	3.287,07	1,7%	51,93	0,0%	3.339,00	0,3%
РВ	2.090,31	1,1%	-	0,0%	2.090,31	0,2%
PI	6.398,59	3,2%	10.000,00	1,0%	16.398,59	1,3%
PE	2.902,48	1,5%	270.000,00	26,4%	272.902,48	22,4%
RN	5.035,23	2,5%	117.105,04	11,5%	122.140,27	10,0%
SE	1.266,24	0,6%	-	0,0%	1.266,24	0,1%

Source: National Agency of Electric Energy (ANEEL) – Elaboration: Northeast Bank of Brazil (BNB)/ETENE



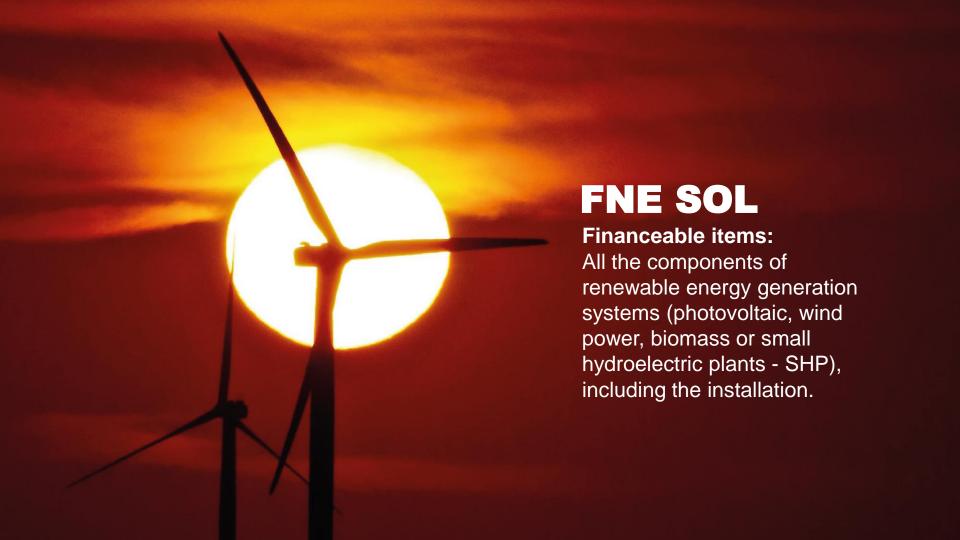






Expansion of the Target Audience:

The Condel/Sudene Resolution 117/2018, included the possibility to finance individual "micro-generators", as defined by the ANEEL Resolution 482/2012, and amendments.



FNE SOL

Terms of financing

Limitations	Up to 100% of the investment. Only certified equipment accepted - National (INMETRO) or International				
Interests	Rural Sector: from 5.6525% to 7.65% a.y., includes 15% compliance bonus Other Sectors: according to the Medida Provisória 812, 12/26/2017 Examples of interests in May/2018: Gross annual revenue of up to R\$ 90 million (US\$ 28.2 million) = 4.89 % a.a. * Gross annual revenue higher than R\$ 90 million (US\$ 28.2 million) = 5.31 % a.a.*				
Deadlines**	S** Up to 12 years, including a grace period of up to 01 year				
Guarantees	Mortgage, Fiduciary alienation, Guarantee or Guarantor				

^{*} Considering the Brazilian Broad Consumer Price Index (IPCA) of 3.50% a.y. - Source: Focus Report - BACEN

^{**}Deadlines can be extended for up to 20 years, including a grace period of up to 8 years, in exceptional cases that are technically justified by the Bank's competent Central Credit Office

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Net metering – Applications by State

STATE	2016*		2017		2018**		TOTAL	
	NUMBER OF OPERATIONS	VALUE (US\$ THOUSAND)						
AL	3	65.8	6	321.0	1	34.1	10	420.9
ВА	17	1,253.1	49	2,545.3	3	122.9	69	3,921.2
CE	19	793.2	51	2,360.7	3	97.9	73	3,251.7
ES	6	71.3	1	15.7		0.0	7	86.9
MA	4	245.7	17	1,445.6	6	226.1	27	1,917.3
MG	11	727.7	16	997.4	3	84.9	30	1,810.1
РВ	4	83.1	11	447.5	4	184.8	19	715.4
PE	13	664.1	31	1,869.5	2	93.7	46	2,627.3
PI	1	13.5	9	640.5	2	77.9	12	731.8
RN	18	1,608.4	59	3,118.0	9	372.4	86	5,098.8
SE	10	239.6	14	653.2	2	51.1	26	943.9
TOTAL	106	5,765.3	264	14,414.4	35	1,345.7	405	21,525.5

Source: Northeast Bank data bank

*From May/2016 **Up to March/2018

Position: March/2018

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Solar Power Centralizer Generation – Applications by State

STATE	2017		20	018*	TOTAL	
	NUMBER OF OPERATIONS	VALUE (US\$ THOUSAND)	NUMBER OF OPERATIONS	VALUE (US\$ THOUSAND)	NUMBER OF OPERATIONS	VALUE (US\$ THOUSAND)
ВА	10	259.9	4	99.2	14	359.1
CE			4	149.6	4	149.6
РВ	2	55.2			2	55.2
PE	7	213.1			7	213.1
PI	4	116.8			4	116.8
TOTAL	23	645.0	8	248.8	31	893.8

Source: Northeast Bank data bank

*Up to March/2018

Position: March/2018



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