#### MINISTER OF ECONOMY

Paulo Roberto Nunes Guedes

#### **EXECUTIVE SECRETARY**

Marcelo Guaranys

#### SPECIAL SECRETARY OF FINANCE

Waldery Rodrigues Júnior

#### NATIONAL TREASURY SECRETARY

Mansueto Facundo de Almeida Júnior

#### **NATIONAL TREASURY SUBSECRETARIES**

Adriano Pereira de Paula Gildenora Batista Dantas Milhomem Jose Franco Medeiros de Morais Líscio Fábio de Brasil Camargo Pedro Jucá Maciel Pricilla Maria Santana

#### **TECHNICAL TEAM**

**Public Debt Subsecretary** 

Jose Franco Medeiros de Morais

Coordinator: Public Debt Operations

Luis Felipe Vital Nunes Pereira

Coordinator: Public Debt Strategic Planning

Luiz Fernando Alves

Coordinator: Public Debt Control and Payment

Márcia Fernanda de Oliveira Tapajós

#### Information:

Gerência de Relacionamento Institucional - GERIN Phone Number: (61) 3412-3188; Fax: (61) 3412-1565

#### Secretaria do Tesouro Nacional (National Treasury Secretariat)

Edifício Sede do Ministério da Economia, Esplanada dos Ministérios, Bloco P, 2º andar

70048-900 - Brasília - DF

Correio Eletrônico: stndivida@fazenda.gov.br Home Page: http://www.tesouro.fazenda.gov.br

The Federal Public Debt Monthly Report is published by the National Treasury Secretariat. Total or partial reproduction is permitted, mentioned its source.

# **Contents**

1. Primary Market Transactions	5
1.1 FPD Issuances and Redempitions	
1.2 Domestic Federal Public Debt –DFPD	
DFPD Issuances and Redemptions	6
Treasury Program Direct	7
Direct Issuances and Cancellations	8
1.3 External Federal Public Debt —EFPD	9
2. Outstanding Federal Public Debt – FPD	10
2.1 Evolution	10
2.2 Variation Factors	11
2.3 Profile	12
Indexes	12
Holders	13
3. Federal Public Debt - FPD Maturity Profile	14
3.1 Maturities	
3.2 Average Maturity	
3.3 Average Term to Maturity—ATM	
4. Federal Public Debt – FPD Average Cost	17
4.1 Outstanding Average Cost	
4.2 Average Cost of DFPD Issuances - Public Offerings	
5. Secondary Market of Federal Public Securities	
	19
5.1 Secondary Market Turnover	

# **TABLES**

Table 1.1 - FPD Issuances and Redemptions Held by the Public	5
Table 1.2 - FPD Issuances and Redemptions Held by the Public, by index	5
Table 1.3 - Issuances and Redemptions of DFPD Public Securities	6
Table 1.4 - Treasury Direct Program	7
Table 1.5 – Registered Investors Profile	8
Table 1.6 - DFPD Non-competitive Issuances	8
Table 1.7 - EFPD Issuances and Redemptions	9
Table 2.1 - Outstanding FPD Held by the Public	10
Table 2.2 - FPD Variation Factors Held by the Public	11
Table 2.3 - FPD Profile Held by the Public	12
Table 2.4 - DFPD Public Securities Holders	13
Table 3.1 - FPD Maturities Held by the Public	14
Table 3.2 – Federal Public Debt Held by the Public Due in 12 Months, by index	14
Table 3.3 - FPD Average Maturity	15
Table 3.4 - Average Maturity of DFPD Issuances - Public Offerings, by index	15
Table 3.5 - FPD ATM Held by the Public	16
Table 4.1 - FPD Average Cost	17
Table 4.2 - Average Cost of DFPD Issuances - Public Offerings	18
Table 5.1 - Secondary Market Turnover, by Security	19
Table 5.2 - Top 5 Maturities Turnover in the Secondary Market, by index	20
GRAPHS	
Graph 1.1 - DFPD Issuances and Redemptions	7
Graph 1.2 - EFPD Issuances and Redemptions	9
Graph 2.1 - FPD Profile, by index	10
Graph 2.2 – Portfolio Profile, by holder	13
Graph 2.3 – Average Maturity Profile, by holder	
Graph 3.1 - Average Maturity of DFPD Issuances on Public Offerings Vs Outstanding Ave Maturity	_
Graph 4.1 - FPD, DFPD and EFPD Average Cost and Selic Rate – over the past 12 months .	17
Graph 4.2 – Outstanding Average Cost and Average Cost of DFPD Issuances	18
Graph 4.3 – Average Cost of DFPD Issuances, by Security	
Graph 5.1 - Secondary Market of Public Securities – Daily Turnover as Percentage of Respe	ective
Outstanding Volume	19
Graph 5.2 – Monthly Volume on Electronic Trading Platforms and its Market Share	20
Graph 5.2 – Public Securities Yield	21
Graph 5.3 – Public Securities Yield Evolution – Overall IMA	21

(R\$ Mn)

## 1. Primary Market Transactions

## 1.1 FPD Issuances and Redemptions

In the month of June, Federal Public Debt - FPD¹ issuances came to R\$ 71.20 billion, while redemptions totaled R\$ 3.72 billion, generating net issuances of R\$ 67.48 billion, with R\$ 68.40 billion in net issuances of Domestic Federal Public Debt - DFPD and R\$ 0.92 billion in net redemptions of External Federal Public Debt - EFPD.

Table 1.1
FPD Issuances and
Redemptions Held by
the Public
June/2019

					· · · /
	1 <sup>st</sup> Week	2 <sup>nd</sup> Week	3 <sup>rd</sup> Week	4 <sup>th</sup> Week	Total
-	3 a 7/Jun	10 a 14/Jun	17 a 21/Jun	24 a 28/Jun	June/19
FPD ISSUANCES	14,590.45	21,415.78	15,318.32	19,876.40	71,200.95
I - DFPD	14,590.45	21,402.38	15,318.32	19,817.91	71,129.06
Public Offerings	13,347.43	20,714.60	14,809.90	19,207.67	68,079.60
Non-competitive Issuances with cash inflow <sup>1</sup>	0.00	0.00	0.00	0.00	0.00
Non-competitive Issuances without cash inflow <sup>2</sup>	339.09	29.41	0.00	1.02	369.52
Exchanges	0.00	0.00	0.00	0.00	0.00
Treasury Direct	903.93	658.37	508.41	609.22	2,679.94
II - EFPD	0.00	13.40	0.00	58.49	71.89
Securities	0.00	0.00	0.00	0.00	0.00
Contractual	0.00	13.40	0.00	58.49	71.89
FPD REDEMPTIONS	1,304.21	481.88	1,474.46	458.78	3,719.33
III - DFPD	1,273.94	391.53	618.44	441.33	2,725.24
Maturities	695.56	0.00	66.16	0.00	761.72
Purchases	3.50	1.44	267.72	0.00	272.66
Exchanges	0.00	0.00	0.00	0.00	0.00
Treasury Direct	574.85	390.09	279.41	438.87	1,683.22
Dividends Payments <sup>3</sup>	0.00	0.00	0.00	0.00	0.00
Cancelled Bonds	0.02	0.01	5.14	2.45	7.62
IV - EFPD	30.26	90.35	856.02	17.46	994.09
Securities	0.00	0.00	0.00	0.00	0.00
Contractual	30.26	90.35	856.02	17.46	994.09
NET ISSUANCES	13,286.25	20,933.90	13,843.86	19,417.62	67,481.63
DFPD (I - III)	13,316.51	21,010.85	14,699.88	19,376.58	68,403.83
EFPD (II - IV)	-30.26	-76.95	-856.02	41.04	-922.20

<sup>&</sup>lt;sup>1</sup> Non-competitive issuances that involve inflow cash resources as counterpart;

Table 1.2
FPD Issuances and
Redemptions Held by
the Public. by index
June/2019

	Issuances		Redemptio	ns	Net Issuance
FPD	71,200.95		3,719.33		67,481.63
DFPD	71,129.06	100.00%	2,725.24	100.00%	68,403.83
Fixed Rate	38,948.46	54.76%	227.78	8.36%	38,720.69
Inflation Linked	9,713.97	13.66%	1,667.38	61.18%	8,046.59
Floating	22,437.22	31.54%	771.55	28.31%	21,665.67
FX-linked	29.41	0.04%	58.53	2.15%	-29.12
EFPD	71.89	100.00%	994.09	100.00%	-922.20
USD	13.40	18.64%	110.11	11.08%	-96.71
EURO	0.00	0.00%	883.98	88.92%	-883.98
BRL	0.00	0.00%	0.00	0.00%	0.00
Other	58.49	81.36%	0.00	0.00%	58.49

 $<sup>^{\</sup>rm 2}$  Non-competitive issuances that do not involve inflow cash resources as counterpart;

<sup>&</sup>lt;sup>3</sup> Refers to redemptions of securities in order to pay dividends and/or interests over own capital from entity in which government has share. related to the profit of the fiscal year.

 $<sup>^{\</sup>scriptscriptstyle 1}$  All data in this report refer to FPD held by the public.

#### 1.2 Domestic Federal Public Debt - DFPD

#### **DFPD** Issuances and Redemptions

DFPD security issuances totaled R\$ 71.13 billion: R\$ 38.95 billion (54.76%) in fixed-rate securities; R\$ 9.71 billion (13.66%) in inflation-linked securities and R\$ 22.44 billion (31.54%) in floating-rate securities. Analysis of total issuances reveals that R\$ 68.08 billion were issued in traditional auctions, coupled with R\$ 2.68 billion in sales through the Treasury Direct Program (p.7) and R\$ 0.37 billion in direct issuances (p.8).

Table 1.3
Issuances and Redemptions of DFPD
Public Securities
June/2019

					(R\$ Mn)
	1 <sup>st</sup> Week	2 <sup>nd</sup> Week	3 <sup>rd</sup> Week	4 <sup>th</sup> Week	Total
	3 a 7/Jun	10 a 14/Jun	17 a 21/Jun	24 a 28/Jun	June/19
I - ISSUANCES	14,590.45	21,402.38	15,318.32	19,817.91	71,129.06
Sales	13,347.43	20,714.60	14,809.90	19,207.67	68,079.60
LFT	0.00	10,572.41	0.00	10,540.67	21,113.08
LTN	8,688.51	9,352.63	9,833.91	7,110.22	34,985.27
NTN-B	4,110.57	0.00	4,334.66	0.00	8,445.24
NTN-F	548.35	789.55	641.33	1,556.78	3,536.02
Exchanges	0.00	0.00	0.00	0.00	0.00
LFT	0.00	0.00	0.00	0.00	0.00
LTN	0.00	0.00	0.00	0.00	0.00
NTN-B	0.00	0.00	0.00	0.00	0.00
NTN-F	0.00	0.00	0.00	0.00	0.00
Treasury Direct	903.93	658.37	508.41	609.22	2,679.94
LFT	412.51	336.46	256.41	310.08	1,315.46
LTN	94.06	82.91	63.27	90.88	331.11
NTN-B	361.01	211.73	167.62	196.94	937.30
NTN-F	36.35	27.27	21.12	11.32	96.06
Non-competitive Issuances with cash inflow <sup>1</sup>	0.00	0.00	0.00	0.00	0.00
Non-competitive Issuances without cash inflow <sup>2</sup>	339.09	29.41	0.00	1.02	369.52
II - REDEMPTIONS	1,273.94	391.53	618.44	441.33	2,725.24
Maturities	695.56	0.00	66.16	0.00	761.72
LFT	0.00	0.00	0.00	0.00	0.00
LTN	0.00	0.00	0.00	0.00	0.00
NTN-B	0.00	0.00	0.00	0.00	0.00
NTN-C	0.00	0.00	0.00	0.00	0.00
NTN-F	0.00	0.00	0.00	0.00	0.00
Other	695.56	0.00	66.16	0.00	761.72
Purchases	3.50	1.44	267.72	0.00	272.66
LFT	0.00	0.00	0.00	0.00	0.00
LTN	0.00	0.00	0.00	0.00	0.00
NTN-B	0.00	0.00	0.00	0.00	0.00
NTN-F	0.00	0.00	0.00	0.00	0.00
Other	3.50	1.44	267.72	0.00	272.66
Exchanges	0.00	0.00	0.00	0.00	0.00
LFT	0.00	0.00	0.00	0.00	0.00
LTN	0.00	0.00	0.00	0.00	0.00
NTN-B	0.00	0.00	0.00	0.00	0.00
NTN-C	0.00	0.00	0.00	0.00	0.00
NTN-F	0.00	0.00	0.00	0.00	0.00
Other	0.00	0.00	0.00	0.00	0.00
Treasury Direct	574.85	390.09	279.41	438.87	1,683.22
LFT	169.52	151.52	142.30	211.03	674.37
LTN	56.87	45.79	28.08	47.24	177.97
NTN-B	330.59	180.14	100.94	169.32	781.00
NTN-C	0.03	0.00	0.00	0.04	0.08
NTN-F  Dividends Payments <sup>3</sup>	17.84 0.00	12.64 <b>0.00</b>	8.09 <b>0.00</b>	11.24 0.00	49.80 <b>0.00</b>
Cancelled Bonds	0.00	0.00	5.14	2.45	7.62
III - IMPACT ON LIQUIDITY <sup>4. 5</sup>		-20.981.45			
III - IIVIPACT ON LIQUIDITY	-12,977.44	-20,981.45	-14,705.03	-19,378.01	-68,041.93

<sup>&</sup>lt;sup>1</sup> Non-competitive issuances that involve inflow cash resources as counterpart;

<sup>&</sup>lt;sup>2</sup> Non-competitive issuances that do not involve inflow cash resources as counterpart;

<sup>&</sup>lt;sup>3</sup> Refers to redemptions of securities in order to pay dividends and/or interests over own capital from entity in which government has share. related to the profit of the fiscal year;

<sup>&</sup>lt;sup>4</sup> Refers to monetary impact resulting from DFPD market operations. Non-competitive issuances without cash inflow and cancelled bonds are not considered. Positive values mean increase on liquidity.

<sup>&</sup>lt;sup>5</sup> The purchases that occurred in the 5th week related to BNDES. in the amount of R\$ 15.13 billion. did not had impact on liquidity. Historical Data: Annex 1.3

In LFT auctions, total issuances added up to R\$ 21.11 billion in securities maturing at September 2025, with payment in cash.

As regards NTN-B auctions (IPCA-linked securities), issuances came to a total of R\$ 8.45 billion, maturing between August 2024 and May 2055. In the case of LTN auctions, issuances totaled R\$ 34.99 billion, maturing between October 2019 and July 2023, with payment in cash.

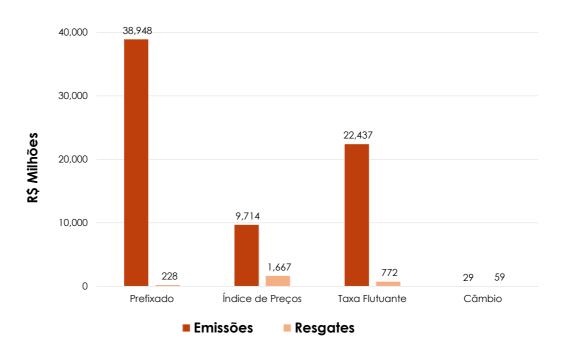
Total DFPD redemptions reached to R\$ 2.73 billion, highlighting inflation linked securities totaling R\$ 1.67 billion (61.18%). Maturities in the period totaled R\$ 0.76 billion.

Graph 1.1

DFPD Issuances and

Redemptions

June/2019



#### **Treasury Direct Program**

Issuances through the Treasury Direct Program<sup>2</sup> in the month of June totaled R\$ 2,679.94 million, while redemptions totaled R\$ 1,683.22 million, generating net issuances of R\$ 996.71 million. The securities in greatest demand were floating-rate bonds, with 49.09% of the total sold.

Treasury Direct stock reached to R\$ 56,938.29 million, representing 2.51% increase compared to the previous month. Highest share of the securities belongs to Tesouro IPCA $^+$ , with 35.42% of the stock.

Tabela 1.4
Treasury Direct
Program
June/2019

								(R\$ Mn)	
lecuon			Redempt	tions		Not Issuances	Outstan	Outstanding	
issuaii	ces	Repurch	ases	Maturiti	es	ivet issualices	Outstail	unig	
		Fix	ed Rate						
331.11	12.36%	177.97	10.57%	0.00	0.00%	153.14	8,011.66	14.07%	
96.06	3.58%	49.80	2.96%	0.00	0.00%	46.26	1,887.41	3.31%	
		Inflat	ion Linked						
174.72	6.52%	158.18	9.40%	0.00	0.00%	16.55	7,190.94	12.63%	
762.58	28.46%	622.82	37.00%	0.00	0.00%	139.75	20,170.39	35.42%	
0.00	0.00%	0.08	0.00%	0.00	0.00%	-0.08	63.54	0.11%	
Floating									
1,315.46	49.09%	674.37	40.06%	0.00	0.00%	641.09	19,614.35	34.45%	
2,679.94	100.00%	1,683.22	100.00%	0.00	0.00%	996.71	56,938.29	100.00%	
	331.11 96.06 174.72 762.58 0.00	96.06 3.58%  174.72 6.52%  762.58 28.46%  0.00 0.00%  1,315.46 49.09%	Repurch Fix  331.11 12.36% 177.97 96.06 3.58% 49.80  Inflat  174.72 6.52% 158.18 762.58 28.46% 622.82 0.00 0.00% 0.08  Fi  1,315.46 49.09% 674.37	Repurchases   Fixed Rate	Repurchases         Maturiti           Fixed Rate           331.11         12.36%         177.97         10.57%         0.00           Inflation Linked           174.72         6.52%         158.18         9.40%         0.00           762.58         28.46%         622.82         37.00%         0.00           0.00         0.00%         0.00%         0.00           Floating           1,315.46         49.09%         674.37         40.06%         0.00	Repurchases   Maturities   Fixed Rate	Repurchases   Maturities   Net Issuances	Repurchases   Maturities   Net Issuances   Outstan	

<sup>&</sup>lt;sup>2</sup> Program involving public security sales over the Internet to individual buyers.

As regards total participants in Treasury Direct operations, 157,858 new investors registered with the Program in the month of June. As a result, total investors registered since the program first began operating came to 4,351,235, corresponding to an increase of 90.01% in the last 12 months.

Table 1.5 Registered Investors Profile June/2019

	In the month	Total
Investors by Gender		
Men	64.30%	68.94%
Women	35.70%	31.06%
Investors by Age		
Up to 15 anos	0.36%	0.30%
From 16 to 25 years	27.29%	18.01%
From 26 to 35 years	37.45%	37.57%
From 36 to 45 years	19.96%	23.94%
From 46 to 55 years	8.32%	10.39%
From 56 to 65 years	4.57%	6.29%
Over 66 years	2.04%	3.51%
Investors by Region		
Northern	4.78%	3.76%
Northeast	14.41%	12.57%
Midwest	8.75%	8.25%
Southeast	55.88%	60.46%
South	16.18%	14.96%
Number of Investors		
Registries	157,858	4,351,235
	37,898	1,072,990

#### **Direct Issuances and Cancellations**

Direct issuances of DFPD securities totaled R\$ 369.52 million, while cancellations totaled R\$ 7.62 million, generating net issuances of R\$ 361.90 million.

Table 1.6

DFPD Non-competitive Issuances
June/2019

	ISSUANCES								
Securities	Date of Transaction	Maturity	Quantity	Financial Volume (R\$ Mn)	Purpose	Legal Support			
CFT-B	6/1/19	01/01/2030	5,766	7.66	PROIES, Program of Incentive to the Restructuring and Strengthening Institutions of Higher Education	STN Directive nº 377, as of 06/11/2019			
CFT-E1	6/1/19	01/01/2046	60,231,688	240.14	FIES, the Higher Education Studen Financing Fund	tSTN Directive nº 374, as of 06/10/2019			
CFT-E1	6/1/19	01/01/2048	22,896,053	91.29	FIES, the Higher Education Studen Financing Fund	tSTN Directive nº 375, as of 06/10/2019			
NTN-I	6/15/19	several	4,289,307	29.41	PROEX, the Export Financing Program	STN Directive nº 419, as of 06/24/2019			
TDA	6/26/19	several	9,318	1.00	Agrarian Reform	STN Directive $n^{o}$ 437, as of $06/26/2019$			
TDA	6/27/19	several	190	0.02	Agrarian Reform	STN Directive nº 442, as of 06/27/2019			
SUBTOTAL				369.52					
				CANCELLA	ATIONS				
Securities	Date of Transaction	Maturity	Quantity	Financial Volume (R\$ Mn)	Purpose	Legal Support			
NTN-P	6/6/19	several	15,367	0.02	PND, National Privatization Program	STN Directive nº 369, as of 06/06/2019			
TDA	several	several	386	0.04	Federal Government ITR payment	Decree 578, as of 6/24/1992			
TDA	6/17/19	several	49,720	5.11	Court Orders	STN Directive nº 400, as of 06/17/2019			
NTN-I	6/24/19	several	298,562	2.02	PROEX, the Export Financing Program	STN Directive nº 420, as of 06/24/2019			
CTN	6/25/19	01/02/2020	112	0.42	PESA, Asset Recoveri Special Program	STN Directive nº 423, as of 06/25/2019			
TDA	6/27/19	several	112	0.01	Agrarian Reform	STN Directive nº 442, as of 06/27/2019			
SUBTOTAL				7.62					
NET ISSUA	NCE			361.90					

(R\$ Mn)

### 1.3 Extern Federal Public Debt — EFPD

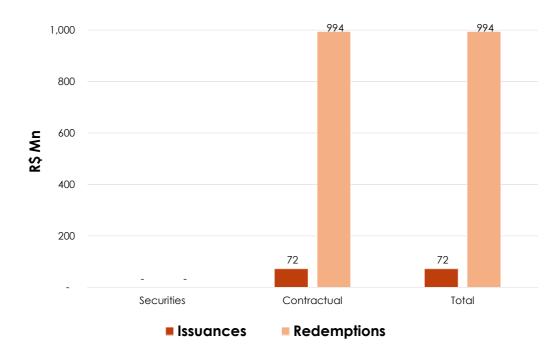
In the month of June, EFPD issuances totaled R\$ 71.89 million.

EFPD redemptions, in its turn, totaled R\$ 994.09 million, including R\$ 795.13 million in payments of principal and R\$ 198.96 million in payments of interest, premiums and charges.

Table 1.7
EFPD Issuances and
Redemptions
June/2019

	Principal	Interest, premiums and charges	Total
ISSUANCES	71.89	0.00	71.89
Securities	0.00	0.00	0.00
Sovereign Bonus	0.00	0.00	0.00
Contractual	71.89	0.00	71.89
Multilateral Organisms	13.40	0.00	13.40
Private Financial Institutions/Gov. Agencies	58.49	0.00	58.49
REDEMPTIONS	795.13	198.96	994.09
Securities	0.00	0.00	0.00
Sovereign Bonus	0.00	0.00	0.00
Buybacks	0.00	0.00	0.00
Contractual	795.13	198.96	994.09
Multilateral Organisms	64.93	27.78	92.71
Private Financial Institutions/Gov. Agencies	730.19	171.18	901.38
NET ISSUANCES			-922.20
Historical Data: Annex 1.6			

Graph 1.2 EFPD Issuances and Redemptions June/2019



## 2. Outstanding Federal Public Debt - FPD

#### 2.1 Evolution

Outstanding FPD registered a 2.24% nominal increase, shifting from R\$ 3,890.85 billion in May to R\$ 3,977.99 billion in June.

Outstanding DFPD increased 2.44%, shifting from R\$ 3,735.30 billion to R\$ 3,826.31 billion, due to the net issuances in the amount of R\$ 68.40 billion and to positive interest appropriations totaling R\$ 22.60 billion.

As regards outstanding EFPD, the stock decreased 2.48% compared to the month of May, closing June at R\$ 151.68 billion (US\$ 39.58 billion), with R\$ 138.09 billion (US\$ 36.04 billion) referring to securities debt and R\$ 13.59 billion (US\$ 3.55 billion) to contractual debt.

Table 2.1
Outstanding FPD Held
by the Public

(R\$ Bn) May/19 Dec/18 Jun/19 DFPD 3,728.86 3,735.30 3,826.31 100.00% 96.19% LFT 1,370.38 1,468.44 1,497.49 39.14% 37.64% LTN 872.51 802.74 843.91 22.06% 21.21% NTN-B 962.39 935.22 948.54 24.79% 23.84% NTN-C 84.00 2.20% 2.11% 80.21 82.72 NTN-F 397.09 403.31 410.42 10.73% 10.32% Securitized Debt 5.06 4.00 3.96 0.10% 0.10% 1.44 1.35 1.32 0.03% 0.03% Other 39.77 37.54 36.67 0.96% 0.92% EFPD<sup>1</sup> 148.20 155.54 151.68 100.00% 3.81% Securities 133.81 140.93 138.09 91.04% 3.47% Global USD 118.48 125.81 122.91 81.03% 3.09% Euro 4.53 4.41 2.89% 0.11% Global BRL 10.80 10.71 10.80 7.12% 0.27% Contractual 14.39 14.62 13.59 8.96% 0.34% Multilateral Organisms 3.68 2.33% 0.09% 3.70 3.53 10.06 Private Financial Institutions/Gov. Agencies 10.71 10.92 6.63% 0.25% All EFPD values converted to USD and then converted to BRL at the spot FX-rate as of the month's last day.

2019 ABP Limits
Outstanding Held by the public (R\$ Bn)

Min Max

FPD
4,100.0 4,300.0

### 2.2 Variation Factors

As mentioned previously the Federal Public Debt - FPD registered a 2.24% nominal increase, moving from R\$ 3,890.85 billion in May to a level of R\$ 3,977.99 billion in June. This variation was due to the net issuances in the amount of R\$ 67.48 billion and the positive interest appropriation in the amount of R\$ 19.66 billion.

Table 2.2
FPD Variation Factors
Held by the Public
June/2019

	Monthly	/	2019		
INDICATORS	R\$ Mn	% of outstan- ding debt	R\$ Mn	% of outstan- ding debt <sup>1</sup>	
Previous Outstanding Debt <sup>1</sup>	3,890,846.27		3,877,061.11		
DFPD	3,735,304.79		3,728,857.20		
EFPD	155,541.47		148,203.92		
Outstanding Debt in June-30-19	3,977,988.89		3,977,988.89		
DFPD	3,826,307.22		3,826,307.22		
EFPD	151,681.66		151,681.66		
Nominal Variation	87,142.62	2.24%	100,927.77	2.60%	
DFPD	91,002.43	2.34%	97,450.02	2.51%	
EFPD	-3,859.81	-0.10%	3,477.75	0.09%	
I - Debt Management - (Treasury) (I.1 + I.2)	87,142.62	2.24%	101,729.31	2.62%	
I.1 - Issuance/Net Redemption	67,481.63	1.73%	-60,223.39	-1.55%	
I.1.1 - Issuances	71,200.95	1.83%	405,199.24	10.45%	
Public Offerings Issuances (DFPD)	70,759.54	1.82%	392,834.30	10.13%	
Public Offerings Exchanges (DFPD)	0.00	0.00%	2,747.81	0.07%	
Non-competitive Issuances (DFPD)	369.52	0.01%	3,086.22	0.08%	
Issuances (EFPD)	71.89	0.00%	6,530.90	0.17%	
I.1.2 - Redemptions	-3,719.33	-0.10%	-465,422.63	-12.00%	
Current Payments (DFPD)	-2,717.61	-0.07%	-457,260.03	-11.79%	
Public Offerings Exchanges (DFPD)	0.00	0.00%	-2,747.78	-0.07%	
Cancellations (DFPD)	-7.62	0.00%	-14.71	0.00%	
Current Payments (EFPD)	-994.09	-0.03%	-5,400.11	-0.14%	
Early Redemption (EFPD)	0.00	0.00%	0.00	0.00%	
I.2 - Accrued Interest	19,660.99	0.51%	161,952.70	4.18%	
DFPD Nominal Accrued Interest	22,598.60	0.58%	159,605.74	4.12%	
EFPD Nominal Accrued Interest	-2,937.61	-0.08%	2,346.96	0.06%	
II - Central Bank Operations	0.00	0.00%	-801.54	-0.02%	
II.1 - Securities' Net Sales to the Market	0.00	0.00%	-801.54	-0.02%	
Total (I + II)	87,142.62	2.24%	100,927.77	2.60%	

 $<sup>^{\</sup>rm 1}\,\mbox{The}$  "Monthly" column relates to the last day of the previous month.

Historical Data: Annex 2.8

#### 2.3 Profile

#### **Indexes**

In terms of the FPD profile, DFPD share increased from 96.00%, from May to, 96,19% in June. In contrast, EFPD share decreased from 4.00% to 3.81%.

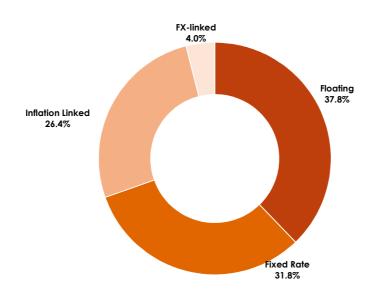
The share of fixed-rate FPD securities shifted from 31.27% in May to 31.80% in June. Share of inflation-linked securities decreased from 26.67% to 26.44%. At the same time, the share of floating-rate securities decreased from 37.88% in May to 37.78% in June.

Table 2.3 **Profile** 

(R\$ Bn) Dec/18 May/19 Jun/19 Fixed Rate 1,280.41 33.03% 1,216.76 31.27% 1,265.13 31.80% 1,037.51 1,051.83 26.44% Inflation Linked 1.064.62 27.46% 26.67% Floating 1.502.81 1.376.87 35 51% 37 88% 37.78% 1.473.83 FX-linked 155.16 4.00% 162.75 4.18% 158.22 3.98% Fixed Rate 1,269.61 34.05% 32.75% 1,206.05 32.29% 31.00% 1,254.33 32.78% 31.53% Inflation Linked 1,064.62 28.55% 27.46% 1,037.51 27.78% 26.67% 1,051.83 27.49% 26.44% 1.376.87 36.92% 35.51% 39.46% 37.88% 39.28% 37.78% Floating 1.473.83 1.502.81 FX-linked 17.76 0.48% 0.46% 17.92 0.48% 0.46% 17.34 0.45% 0.44% EFPI USD 122.89 82.92% 3.17% 130.15 83.68% 3.35% 127.07 83.77% 3.19% 6.14% Euro 0.23% 6.12% 0.24% 0.22% BRL 10.80 7.29% 0.28% 10.71 6.89% 0.28% 10.80 7.12% 0.27% 3.65% 0.14% 3.32% 0.13% 3.44% Other 5.41 5.16 5.21 0.13%

Historical Data FPD: Annex 2.4 Historical Data DFPD: Annex 2.5 Historical Data EFPD: Annex 2.6

Graph 2.1 FPD Profile, by index June/2019



_	019 ABP Limits in Outstanding	; FPD
	Min	Max
Fixed Rate	29%	33%
Inflation Linked	24%	28%
Floating	38%	<b>42</b> %
FX-linked	3%	<b>7</b> %

#### **Holders**

The category of Pensions posted a decrease, in absolute share, from R\$ 927.45 billion to a level of R\$ 914.86 billion between May and June. Relative participation decreased from 23.91%. Financial Institutions grouping showed positive variation in its stock level, moving from R\$ 821.67 billion to R\$ 886.59 billion. Relative participation increased from 22.00% to 23.17%. Investment Funds increased their stock from R\$ 992.80 billion to R\$ 1,027.39 billion. Relative share reached 26.85%. The share of Nonresidents in DFPD decreased from 12.74% to 12.34%. The category of Government increased its relative share to 4.09%. Insurers showed an increase in their stock, to R\$ 153.41 billion in June.

One should note that 91.29% of the portfolio of Nonresidents was concentrated in fixed-rate securities, while 55.36% of the Pensions portfolio is composed of inflation-linked securities.

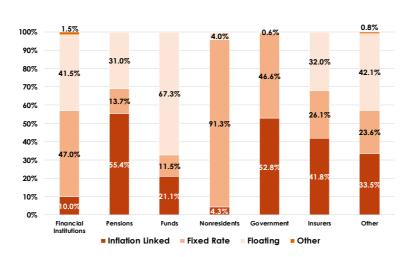
Table 2.4

DFPD Public Securities

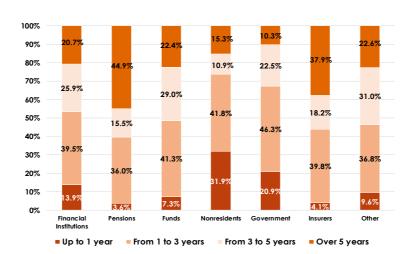
Holders

						(R\$ Bn)
	Dec/18		May/19	1	Jun/1	9
Pensions	930.85	24.96%	927.45	24.83%	914.86	23.91%
Financial Institutions	848.10	22.74%	821.67	22.00%	886.59	23.17%
Funds	1,003.56	26.91%	992.80	26.58%	1,027.39	26.85%
Nonresidents	418.41	11.22%	476.04	12.74%	472.08	12.34%
Government	158.19	4.24%	151.99	4.07%	156.54	4.09%
Insurers	153.27	4.11%	151.67	4.06%	153.41	4.01%
Other	216.49	5.81%	213.69	5.72%	215.44	5.63%
Total	3,728.86	100.00%	3,735.30	100.00%	3,826.31	100.00%
Historical Data and Notes: Annex 2.7	,		·			

Graph 2.2
Portfolio Profile.
by holder
June/2019



Graph 2.3 Average Maturity Profile. by holder June/2019



## 3. Federal Public Debt - FPD Maturity Profile

#### 3.1 Maturities

FPD maturities in the next 12 months posted a decrease, shifting from 13.99% in May to 13.92% in June.

The volume of DFPD securities maturing in up to 12 months shifted from 14.21% in May to 14.13% in June. Fixed-rate securities accounted for 69.20% of this total, followed by floating rate securities with share of 18.58% of the total.

With respect to EFPD, the percentage maturing in 12 months decreased from 8.54%, in May, to 8.46% in June, with those denominated in American Dollar accounting for 78.95% of this total. It is important to emphasize maturities over five years account for 54.79% of outstanding EFPD.

Table 3.1

FPD Maturities Held by the Public

(R\$ Bn)

Maturities	DFPD			EFPD				FPD				
iviaturities	May/19		Jun/19		May	May/19		Jun/19		May/19		19
Up to 12 months	530.97	14.21%	540.76	14.13%	13.28	8.54%	12.84	8.46%	544.25	13.99%	553.60	13.92%
From 1 to 2 years	818.92	21.92%	835.58	21.84%	23.45	15.08%	22.87	15.08%	842.37	21.65%	858.45	21.58%
From 2 to 3 years	526.91	14.11%	530.56	13.87%	9.39	6.03%	9.11	6.00%	536.29	13.78%	539.67	13.57%
From 3 to 4 years	637.67	17.07%	641.45	16.76%	14.27	9.17%	13.78	9.09%	651.94	16.76%	655.23	16.47%
From 4 to 5 years	293.20	7.85%	313.70	8.20%	10.22	6.57%	9.98	6.58%	303.42	7.80%	323.68	8.14%
Over 5 years	927.63	24.83%	964.26	25.20%	84.94	54.61%	83.11	54.79%	1,012.57	26.02%	1,047.36	26.33%
TOTAL	#####	100.00%3	3,826.31	100.00%	155.54	100.00%	151.68	100.00%	3,890.85	100.00%	3,977.99	100.00%

Table 3.2 Federal Public Debt Held by the Public Due in 12 Months, by index

(R\$ Bn)

		Dec/18			May/19			Jun/19	
FPD	632.64		100.00%	544.25		100.00%	553.60		100.00%
DFPD	620.13	100.00%	98.02%	530.97	100.00%	97.56%	540.76	100.00%	97.68%
Fixed Rate	408.33	65.85%	64.54%	365.47	68.83%	67.15%	374.21	69.20%	67.60%
Inflation Linked	142.91	23.04%	22.59%	63.98	12.05%	11.76%	64.61	11.95%	11.67%
Floating	67.37	10.86%	10.65%	100.02	18.84%	18.38%	100.50	18.58%	18.15%
FX-linked	1.52	0.25%	0.24%	1.50	0.28%	0.27%	1.44	0.27%	0.26%
EFPD	12.50	100.00%	1.98%	13.28	100.00%	2.44%	12.84	100.00%	2.32%
USD	9.68	77.40%	1.53%	10.37	78.13%	1.91%	10.14	78.95%	1.83%
Euro	1.66	13.24%	0.26%	1.74	13.13%	0.32%	1.53	11.93%	0.28%
BRL	1.01	8.05%	0.16%	1.00	7.52%	0.18%	1.01	7.84%	0.18%
Other	0.16	1.32%	0.03%	0.16	1.23%	0.03%	0.16	1.28%	0.03%
Historical Data: Anne	x 3.3								



## 3.2 Average Maturity

FPD average maturity decreased from 4.26 years in May to 4.18 years in June. DFPD average maturity decreased from 4.13 years in May to 4.06 years in June. Parallel to this, EFPD average maturity decreased from 7.23 years in May to 7.18 years in June.

Table 3.3 **FPD Average Maturity** 

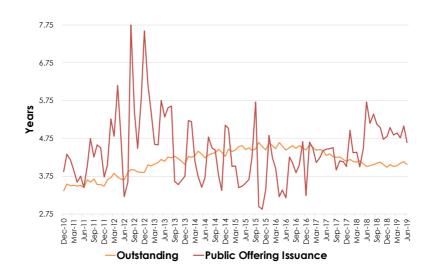
_	Dec/18	May/19	Jun/19
FPD	4.11	4.26	4.18
DFPD	3.98	4.13	4.06
LFT	3.40	3.41	3.37
LTN	1.22	1.39	1.38
NTN-B	7.35	7.79	7.70
NTN-C	4.95	4.76	4.68
NTN-F	3.45	3.43	3.37
TDA	3.37	3.20	3.20
Securitized Debt	3.48	3.35	3.31
Other	6.27	6.24	6.33
EFPD	7.39	7.23	7.18
Securities	7.51	7.36	7.26
Global USD	7.98	7.80	7.72
Euro	2.17	1.81	1.73
Global BRL	4.57	4.38	4.30
Contractual	6.31	5.98	6.36
Multilateral Organisms	5.26	5.52	5.60
Private Financial Institutions/Gov. Agencies	6.67	6.14	6.63

Refers to the pre-Brady bond (BIB), which does not have an embedded call option.

Table 3.4 Average Maturity of DFPD Issuances - Public Offerings, by index

			(Years)
Index	Dec/18	May/19	Jun/19
DFPD	4.72	5.08	4.64
Fixed Rate	2.26	3.24	3.08
LTN	2.07	2.94	2.82
NTN-F	5.78	5.73	5.59
Inflation Linked	9.42	7.97	7.51
Floating	6.10	6.25	6.15
Historical Data: Annex 3.9			

Graph 3.1 Average Maturity of DFPD Issuances on Public Offerings Vs Outstanding Average Maturity





## 3.3 Average Term to Maturity

The National Treasury releases the data of average life using new methodology called Average Term to Maturity – ATM, which is most commonly found in the international literature and therefore allows greater comparability between Brazil and other countries as refers to the maturity of government debt.

The new methodology for the average life is calculated by averaging weighted remaining time to maturity of each security that make up the FPD, considering principal only. The weighting occurs by value of each security. Using their face value.

FPD average life, in this new methodology, decreased from 5.81 years in May to 5.71 years in June.

(Years)

Table 3.5 FPD Average Life Held by the Public

			(Tears)
	Dec/18	May/19	Jun/19
FPD	5.68	5.81	5.71
DFPD	5.45	5.60	5.50
Fixed Rate	2.29	2.43	2.39
Inflation Linked	12.32	12.84	12.74
Floating	3.40	3.41	3.37
FX-linked	5.74	5.36	5.29
EFPD	11.55	11.12	11.08
Securities	12.00	11.53	11.43
Global USD	12.85	12.32	12.23
Euro	2.25	1.84	1.75
Global BRL	6.46	6.05	5.96
Contractual	7.51	7.22	7.60
Multilateral Organisms	6.15	6.67	6.75
Private Financial Institutions/Gov. Agencies	7.94	7.40	7.89

Note:The new methodology for the average life is calculated by averaging weighted remaining time to maturity of each security that make up the FPD. For securities and contractual debt that have intermediate amortizations. such amortizations are also part of the calculation of average life.

Note 2: FPD average life values by the old methodology for Dec/12 and Dec/13 are. respectively. 6.81 and 6.72 years.

Historical Data: Annex 3.10

## 4. Federal Public Debt - FPD Average Cost

## **4.1 Outstanding Average Cost**

FPD cumulative 12-month average cost shifted from 9.44% per year, in May, to 8.83% per year, in June.

At the same time, DFPD cumulative 12-month average cost decreased from 9.38% per year, in May, to 8.99% per year, in June.

Regarding to EFPD, this indicator decreased from 10.84% to 5.16% per year, mostly as a result of 2,75% depreciation of the American Dollar against the Brazilian Real in June 2019, compared to 3.18% appreciation recorded in June 2018.

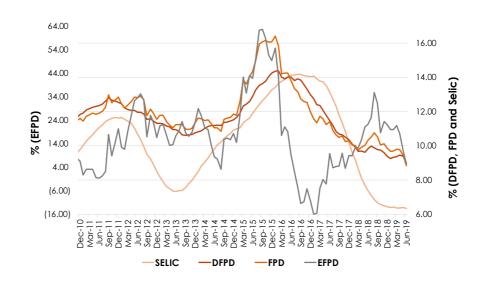
Table 4.1 **FPD Average Cost** 

						(% p.y.)		
	Mont	hly Average Co	st	12-Month Cu	12-Month Cumulative Average Cost			
	Dec/18	May/19	Jun/19	Dec/18	May/19	Jun/19		
FPD	7.59	8.71	6.91	9.83	9.44	8.83		
DFPD	7.43	8.89	8.03	9.37	9.38	8.99		
LFT	6.41	6.42	6.42	6.44	6.39	6.33		
LTN	10.43	9.86	9.77	10.73	10.28	10.11		
NTN-B	5.63	9.97	6.65	9.85	10.85	9.94		
NTN-C	-3.95	15.88	22.33	18.34	18.50	17.16		
NTN-F	11.83	11.74	11.71	11.75	11.76	11.65		
TDA	3.23	3.13	3.11	3.33	3.26	3.25		
Securitized Debt	4.04	4.97	4.94	5.18	5.07	4.97		
Other	1.55	9.94	-2.20	19.46	14.96	11.23		
EFPD	11.44	4.31	-19.92	22.07	10.84	5.16		
Securities	10.07	4.49	-21.16	22.43	11.20	5.36		
Global USD	9.67	4.31	-24.33	23.94	11.57	5.15		
Euro	20.33	-3.98	-6.65	15.14	3.73	-0.34		
Global BRL	10.16	10.16	10.16	10.15	10.15	10.15		
Contractual <sup>1</sup>	24.27	2.54	-8.02	18.84	7.47	3.31		
Multilateral Organisms	7.40	2.27	-26.20	21.14	9.20	2.94		
Private Financial Institutions/Gov. Agencies	30.20	2.63	-1.86	18.12	6.89	3.43		

<sup>&</sup>lt;sup>1</sup>The National Treasury has developed and implemented from January 2012 Contractual External Debt calculation methodology. in line with the existing to the average cost of calculating the DPMFi and External Debt Securities.

Historical Data: Annexes 4.1 e 4.2

Graph 4.1 FPD. DFPD and EFPD Average Cost and Selic Rate - over the past 12 months



### 4.2 Average Cost of DFPD - Public Offerings

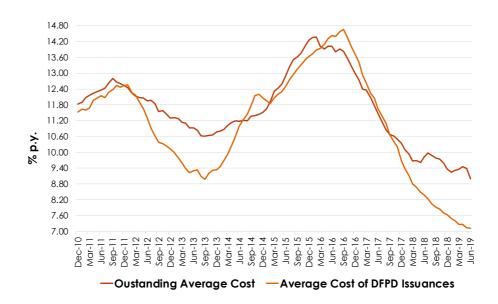
The average cost of DFPD issuances in public offerings is an indicator that reflects the internal rate of return - IRR of Treasury securities in domestic market, plus the variations of their indexes, considering only the placement of securities in a public offering (auctions) in the last 12 months .

In the month of June, the average cost of DFPD issuances in public offerings decreased 0.01 percentage point, moving from 7.13% per year in May to 7.12% per year in June.

Table 4.2 Average Cost of DFPD Issuances - Public Offerings

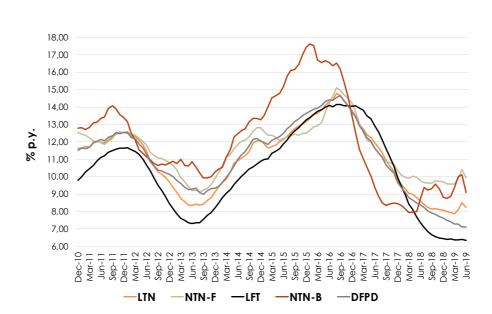
			(% p.y.)
	Dec/18	May/19	Jun/19
DFPD	7.64	7.13	7.12
LTN	8.08	8.51	8.24
NTN-F	9.70	10.40	9.93
NTN-B	8.84	10.11	9.10
LFT	6.44	6.39	6.34
Historical Data: Annex 4.3			

Graph 4.2
Outstanding Average
Cost and Average Cost
of DFPD Issuances



Graph 4.3

Average Cost of DFPD Issuances. by Security



## 5. Secondary Market of Federal Public Securities

### **5.1 Secondary Market Turnover**

The average daily financial volume of securities negotiated on the secondary market increased from R\$ 37.42 billion in May to R\$ 46.04 billion in June. The share of floating rate securities decreased from 15.29% to 14.63%. The share of Fixed Rate securities increased from 45.23% to 52.34%. Securities tied to Inflation decreased from 39.48% to 33.02%.

Table 5.1
Secondary Market Turnover. by Security

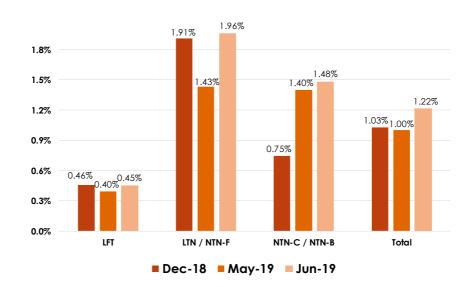
(R\$ Bn) LFT LTN / NTN-F NTN-B / NTN-C Total Month % of Total % of Total % of Total % of Total Volume<sup>1</sup> Variation3 Volume1 Variation3 Volume1 Variation3 Volume1 Variation<sup>3</sup> Traded<sup>2</sup> Traded<sup>2</sup> Traded<sup>2</sup> Traded<sup>2</sup> 27.39% 55.90% 16.56% 16.71% -34.42% -0.61% dec/11 4.55 0.79% 9.28 2.77 16.60 100.00% dec/12 3 57 14 06% 50.07% 13 27 52 21% 71 44% 8 57 33 73% 78 59% 25 41 100 00% 70 33% dec/13 2.43 8.18% 0.80% 14.36 48.25% 75.42% 12.97 43.57% 151.22% 29.76 100.00% 88 80% dec/14 2.66 15.55% 20.43% 10.81 63.27% 43.74% 3.59 21.03% 9.51% 17.09 100.00% 31.36% dec/15 4 18 20 46% 35 94% 12 56 61 50% 30 38% 3 64 17 81% -16 21% 20.43 100 00% 19 79% dec/16 4.59 14.23% 17.40% 21.99 68.16% 50.48% 5.68 17.61% -25.67% 32.26 100.00% 23.29% dec/17 5.90 18 51% 46 64% 17.59 55.16% 40 60% 8 40 26 34% 5.02% 31.89 100.00% 29 99% dec/18 6.27 16.44% 8.73% 24.07 63.12% 53.17% 7.79 20.44% 1.05% 38.13 100.00% 30.62% jan/19 15.50% -11.39% 18.54 51.73% -22.98% 11.75 32.77% 100.00% 5.56 50.72% 35.84 -6.02% feb/19 6.41 15.89% 15.44% 21.99 54.49% 18.61% 11.95 29.62% 1.77% 40.36 100.00% 12.60% mar/19 6.68 14.23% 4.23% 27.98 59.56% 27.23% 12.31 26.21% 2.98% 46.97 100.00% 16.39% apr/19 5.77 17.56% -13.62% 15.92 48.43% -43.10% 11.18 34.01% -9.17% 32.87 100.00% -30.01% mav/19 5.72 15.29% -0.88% 16.92 45.23% 6.30% 14.77 39.48% 32.12% 37.42 100.00% 13.82% jun/19 6.74 14.63% 17.75% 24.10 52.34% 42.42% 15.21 33.02% 2.93% 46.04 100.00% 23.06%

<sup>1</sup> Average. in the month. of the daily financial volume of definitive transactions. There are not considered: i) transactions in which pricings are not in +/- 25% range of the price accepted

Obs.2: On brokerage operations. only the values of the final principals are accounted.

The daily volume traded in the secondary market for government securities as a percentage of the respective stocks increased from 1.00% in May to 1.22% in June. The participation in the turnover of the floating rate index increased from 0.40% to 0.45%; in relation to the Fixed Rate, there was an increase from 1.43% to 1.96%; in relation to Inflation Linked securities, there was an increase from 1.40% to 1.48%.

Graph 5.1
Secondary Market of
Public Securities - Daily
Turnover as Percentage
of Respective
Outstanding Volume



on purchase and sale transactions (outliers); ii) transactions in which the National Treasury or the Central Bank is the financial principal;

<sup>&</sup>lt;sup>2</sup> Share of securities volume traded compared to total volume traded in the month;

<sup>&</sup>lt;sup>3</sup> Variation of total traded in the month compared to the previous month

Obs.1: Date calculated based on the original numbers. before roundings.

LTN maturing in April 2021 was the most traded in June, followed by LTN maturing in October 2019 and July 2019. As regards NTN-F, the bond maturing in January 2025 was the most traded, followed by NTN-F maturing in January 2029 and January 2027.

Among NTN-B, the highest trading volume maturities were, in decreasing order, August 2024, August 2022 and May 2023.

With regard to the LFTs, the most negotiated bonds in June, in descending order, were those maturing in September 2025, March 2020 and September 2021.

Table 5.2
Top 3 Maturities Turnover in the Secondary
Market, by index
June/2019

									(R\$ Mn)	
		Fixed Rate	- LTN		Fixed Rate - NTN-F					
Security	Maturity	Financial Volume	Number of Transactions	% of Respective Outstanding Total	Security	Maturity	Financial Volume	Number of Transactions	% of Respective Outstanding Total	
LTN	4/1/2021	3,033.29	40.9	5.72%	NTN-F	1/1/2025	1,356.98	60.6	1.56%	
LTN	10/1/2019	2,785.82	25.8	2.66%	NTN-F	1/1/2029	1,248.58	79.7	4.80%	
LTN	7/1/2019	2,586.97	22.5	5.55%	NTN-F	1/1/2027	772.99	69.7	1.10%	
		Inflation Li	nked		Floating (SELIC)					
Security	Maturity	Financial Volume	Number of Transactions	% of Respective Outstanding Total	Security	Maturity	Financial Volume	Number of Transactions	% of Respective Outstanding Total	
NTN-B	8/15/2024	3,135.49	192.2	4.13%	LFT	9/1/2025	1,998.20	77.3	1.90%	
NTN-B	8/15/2022	2,993.34	215.9	2.06%	LFT	3/1/2020	965.04	80.7	0.97%	
NTN-B	5/15/2023	2,395.03	191.5	2.77%	LFT	9/1/2021	758.39	75.2	0.35%	

Obs. 1: Only definitive transactions are considered.

Obs. 2: Financial volume and number of transactions reflect daily averages within the month;

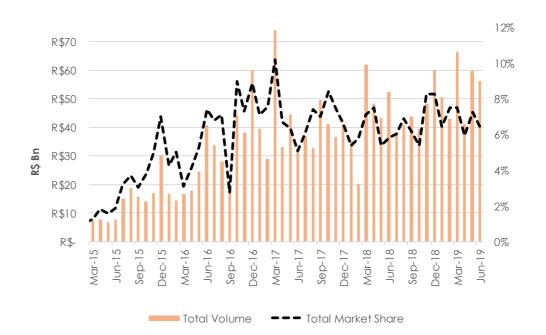
Obs. 3: There are not considered: i) transactions in which pricings are not in +/- 25% range of the price accepted on purchase and sale

 $transactions \ (outliers); ii) \ transactions \ in \ which \ the \ National \ Treasury \ or \ the \ Central \ Bank \ is \ the \ financial \ principal.$ 

Obs. 4: On brokerage operations. only the values of the final principals are accounted.

Regarding total volume, electronic trading platforms market share moved from 5.81% on June 2018 to 6.42% on June 2019. Electronic trading platforms market share reached 7.26% in the previous month. Monthly volume amounted R\$ 56.13 billion (R\$ 59.79 billion in the previous month and R\$ 52.33 billion 12 months earlier).

Graph 5.2
Monthly Volume on
Electronic Trading
Platforms and its
Market Share
June/2019

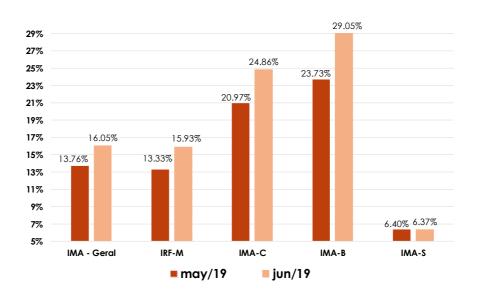


#### 5.2 Public Securities Yield

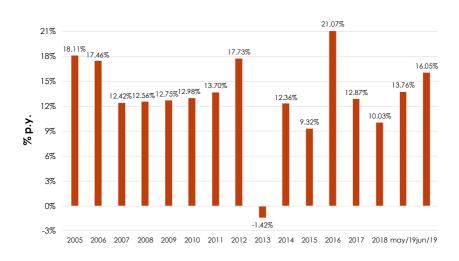
The Anbima Market index - IMA<sup>3</sup>, created by ANBIMA<sup>4</sup> in a partnership with the National Treasury, verifies the profitability of a theoretical portfolio composed of public securities in circulation on the market. It is considered an efficient parameter for purposes of evaluating the evolution of public security profitability, and has introduced greater dynamics into the primary and secondary federal public debt markets.

Data for the month of June indicate an increase of 2.29 percentage points in the General Index. Fixed rate securities, represented by IRF-M, increased 2.60 percentage points. The securities linked to the IGP-M, represented by the IMA-C, showed an increase of 3.89 percentage points. The securities linked to the IPCA, represented by the IMA – B, increased 5.32 percentage points. Finally, the IMA-S index, referring to SELIC-linked securities, in its turn, decreased 0.03 percentage point.

Graph 5.3
Public Securities Yield
June/2019
(Cumulative
12-Month %)



Graph 5.4
Public Securities Yield
Evolution - Overall
IMA Cumulative
12-Month %)



<sup>&</sup>lt;sup>3</sup> IMA – Fixed-rate indexes calculated on the basis of the evolution of the market value of portfolios composed of public securities. The overall IMA is the result of weighting of the variations of each index; the IRF-M is composed of fixed-rate securities (LTN and NTN-F); the IMA-C, of securities tied to the IGP-M (NTN-C); the IMA-B, composed of securities tied to the IPCA (NTN-B); and the IMA-S, of securities tied to the SELIC rate (LFT). For greater information on the IMA indices, access: <a href="http://www.andima.com.br/publicacoes/args/edesp\_ima\_tpf.pdf">http://www.andima.com.br/publicacoes/args/edesp\_ima\_tpf.pdf</a>.

<sup>&</sup>lt;sup>4</sup> Brazilian Association of Financial and Capital Market Entities.