



August 15, 2019

TRANSFER REPORT

This Transfer Report has been prepared by Banco do Brasil S.A., for its role as Bond Administrator in connection with the issuance of (a) US\$ 2,000,000,000 aggregate principal amount of 6.25% Series 2014-1 Notes due 2024 (the “Series 2014-1 Notes”); (b) R\$ 2,400,000,000 aggregate principal amount of 16.25% Series 2014-2 Notes due 2022 (the “Series 2014-2 Notes”), (c) US\$ 1,100,000,000 aggregate principal amount of 6.75% Series 2014-3 Notes due 2027 (the “Series 2014-3 Notes”); and (d) US\$ 600,000,000 aggregate principal amount of 8.20% Series 2018-1 Notes due 2028 by Rio Oil Finance Trust and in accordance with the terms set forth in the Amended and Restated Indenture dated as of June 20, 2014, and as amended and restated as of April 03, 2018 (the “Indenture”), in the Amended and Restated Series 2014-1 Indenture Supplement and the Amended and Restated Series 2014-2 Indenture Supplement, dated as of June 20, 2014, and as amended and restated as of March 07, 2018, in the Amended and Restated Series 2014-3 Indenture Supplement dated as of November 21, 2014, and as amended and restated as of March 07, 2018, and in the Series 2018-1 Indenture Supplement dated as of April 19, 2018 (the “Indenture Supplements”).

Some of the terms set forth in the Indenture and in the Indenture Supplements were amended by that certain Waiver and Amendment Agreement dated as of October 20, 2015 (the “First Waiver and Amendment Agreement”), by that certain Waiver and Amendment Agreement dated as of June 20, 2016 (the “Second Waiver and Amendment Agreement”), by that certain Waiver and Amendment Agreement dated as of October 11, 2016 (the “Third Waiver and Amendment Agreement”), by that certain Rescission and Amendment Agreement dated as of December 05, 2016 (the “Fourth Rescission and Amendment Agreement”), by that certain Rescission and Amendment Agreement dated as of December 04, 2017 (the “Fifth Rescission and Amendment Agreement”), and by that certain Waiver, Rescission and Amendment Agreement dated as of March 07, 2018 (the “Sixth Waiver, Rescission and Amendment Agreement”), and are fully reflected in all calculations of this Transfer Report.

The duties and obligations of Banco do Brasil S.A. is determined solely by the express provisions of the Indenture and the other Transactions Documents which it is a part, such as the responsibility for making all the calculations and determinations including, but not limited to, Transfer Amounts. Banco do Brasil S.A. shall not be liable except for the performance of such duties and obligations.

Banco do Brasil S.A. may conclusively rely as to the truth of the statements and the correctness of the opinions expressed in any Transaction Document and upon any statements, certificates or opinions furnished in writing to Banco do Brasil S.A. pursuant to any of the Transaction Documents and conforming to the requirements of the Transaction Documents. Banco do Brasil S.A. may conclusively rely upon, and shall be protected in acting or refraining from acting upon, and shall not be bound to make any investigation into the facts or matters stated in a written resolution, certificate, statement, instrument, opinion, report, notice, request, consent, order, note, Officer's Certificate, guaranty or other paper or document reasonably believed by it to be genuine and to have been signed or presented by the proper Person(s).

This Transfer Report is addressed exclusively to Citibank N.A. (the Indenture Trustee) to be used as Transfer Instructions of the Revenue Account Waterfall in each Transfer Date.

For the effects of this Transfer Report, the Reais Allocation Date is August 15, 2019, the Reais Transfer Date is August 15, 2019, the Allocation Date is August 16, 2019 and the Transfer Date is August 19, 2019.

The exchange rate for dollar/rea's conversion used in this Transfer Report is R\$ 4.0130.



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Defined Terms

“Allocation Date” shall mean, with respect to any Transfer Date, the Business Day which is immediately prior to such Transfer Date.

“Officer’s Certificate” shall mean, in the case any of the Issuer and the Sponsor and the Indenture Trustee, a certificate signed by an Authorized Officer or the president or chairman (or other equivalent officer) of such Person or acting on behalf of such Person.

“Person” shall mean any individual, corporation, company, partnership, joint venture, trust, estate, unincorporated association, Governmental Authority or other entity of whatever nature.

“Reais Allocation Date” shall mean, with respect of any Reais Transfer Date, the Business Day which is immediately prior to such Reais Transfer Date.

“Reais Transfer Date” shall mean each Business Day of each calendar month following a Business Day when, as of the Balance Transfer Time for the Bond Administrator, there are available funds in the Collections Account for allocation in accordance with the Indenture.

“Transaction Documents” shall mean, collectively, the Indenture, the Series 2014-1 Notes, the Series 2014-2 Notes, the Series 2014-1 Indenture Supplement, the Series 2014-2 Indenture Supplement, the Bill of Sale, the Royalties Rights Agreement, the Servicing Agreement, the Pledge Agreement, the Trust Agreement, the Initial Oil Revenue and Rights Bill of Sale, the Banco do Brasil Oil Revenue and Rights Bill of Sale, the Caixa Oil Revenue and Rights Bill of Sale, the Instruments and any Indenture Supplements with respect to future Series of Instruments, and any purchase agreement related to the Instruments.

“Transfer Amount” shall mean, as of any Transfer Date, any of the Issuer Expenses Transfer Amount, the Taxation Expenses Transfer Amount, the Servicer Fee Transfer Amount, the Reserve LC Expenses Transfer Amount, any Debt Service Reserve Account Transfer Amount, any Series Senior Interest Transfer Amount for any Series of Securities, any Series Senior Scheduled Principal Transfer Amount for any Series of Securities, any Series Senior Excess Scheduled Principal Transfer Amount for any Series of Securities, any Series Senior Accelerated Principal Transfer Amount for any Series of Securities, any Series Senior Excess Accelerated Principal Transfer amount for any Series of Securities, any Series Subordinated Interest Transfer Amount for any Series of Securities, any Series Subordinated Scheduled Principal Transfer Amount for any Series of Securities, and/or any Series Subordinated Accelerated Principal Transfer Amount for any Series of Securities, each as of such Transfer Date.

“Transfer Date” shall mean each Business Day of each calendar month when there are available funds in the Revenue Account for distribution in accordance with the Revenue Account Waterfall.

“Transfer Instructions” shall have the meaning set forth in Section 4.10(b) of the Indenture, as follow *“On any Reais Transfer Date, prior to transferring any amounts, the Bond Administrator shall (i) first calculate the allocation of funds assuming that (A) the full amount of funds available for transfer on such Reais Transfer Date are allocated for transfer in accordance with the Collections Account Waterfall and (B) the full amount of funds available for transfer on such Transfer Date are allocated for transfer on such Transfer Date in accordance with the Revenue Account Waterfall and the Bond Administrator shall reduce such calculations to written transfer instructions for such Reais Transfer Date, the related Transfer Date or a related Payment Date.”*



Section (A) – Collections Revenue and Expense Breakdowns

The tables below show the total Collections and any other amounts received by the Servicer on such Reais Allocation Date, with respect to the Collateral of the transaction.

RJS Oil Revenues and RJS Oil Revenue Rights	Amount
Royalties – up to 5% (Law N° 7,990 of December 28, 1989)	R\$ 191,834,529.19
Royalties – more than 5% (Law N° 9,478 of August 6, 1997)	R\$ 141,542,044.79
Special Participations (Law N° 9,478 of August 6, 1997)	R\$ 2,136,997,380.17
FEP (Special Petroleum Fund) – Law N° 7,990 and Law N° 9,478	R\$ 0.00
Total amount transferred to RJS Oil Revenues Dedicated Account	R\$ 2,470,373,954.15

Statutory Oil Revenue Allocations by RJS	Amount
PASEP (Program for the Formation of Assets of Public Servants)	(R\$ 24,703,739.53)
FECAM (State Fund for Environmental Conservation and Urban Development) ¹	R\$ 0.00
Municipalities within RJS	(R\$ 47,479,045.98)
Brazilian Federal Government (Assignment Agreement of October 29, 1999)	R\$ 0.00
Conta B (State Decree N° 43,783 of September 12, 2012)	R\$ 0.00
Total RJS Oil Revenue Allocations	(R\$ 72,182,785.51)

Assigned Oil Revenues and Assigned Oil Revenue Rights	Amount
RJS Oil Revenues and RJS Oil Revenue Rights	R\$ 2,470,373,954.15
RJS Oil Revenue Allocations	(R\$ 72,182,785.51)
Net amount transferred to Collections Account	R\$ 2,398,191,168.64

1) According to the Amendment to the State of Rio de Janeiro Constitution N° 70 of December 12, 2017 and the State Law N° 178 of December 20, 2017 (the “FECAM Subordination Legislation”), amounts related to FECAM Allocation are not deducted from Royalties and Special Participations, but instead are allocated according to priority fifteenth of the Revenue Account Waterfall (Section 4.3.(o) of the Indenture).



Section (B) – Detailed Collections Account Waterfall

Collections Account Waterfall		Amount
Priority	Description	
First	Taxation Expenses Transfer Amount	(R\$ 9,609,536.08)
Second	(i) Servicer Fee Transfer Amount	R\$ 0.00
	(ii) Bond Administrator Fees Transfer Amount	R\$ 0.00
	(iii) Brazilian Collateral Agent Fees Transfer Amount	R\$ 0.00
	(iv) Excess Companhia Securitizadora Expenses Transfer Amount	(R\$ 59,570.34)
Third	(i) to the Revenue Account	(R\$ 115,715,194.86)
	(ii) (A) to the Series 2014-2 Special Series Account	(R\$ 16,550,718.01)
	(ii) (B) to the Series 2014-2 Special Debt Service Reserve Account	R\$ 0.00
	(ii) (C) to the Special Interest Liquidity Reserve Account	R\$ 0.00
	(ii) (D) to the Special Interest Trigger Event Reserve Account	R\$ 0.00
	(iii) to the holder of the Sponsor Note and/or RJS	(R\$ 2,256,256,149.35)
Fourth	(i) (A), (B), (C) and (D)	R\$ 0.00
	(ii) to the holder of the Sponsor Note and to RJS	R\$ 0.00
Total Debt		(R\$ 2,398,191,168.64)



Section (C) – Detailed Revenue Account Waterfall

Revenue Account Waterfall		Amount
Priority	Description	
First	Issuer Expenses Transfer Amount	US\$ 0.00
Second	To the Series 2014-1 Senior Interest Subaccount	US\$ 0.00
	To the Series 2014-2 Senior Interest Subaccount	US\$ 0.00
	To the Series 2014-3 Senior Interest Subaccount	US\$ 0.00
	To the Series 2018-1 Senior Interest Subaccount	US\$ 0.00
Third	To the Series 2014-1 Senior Scheduled Principal Subaccount	(US\$ 19,929,181.09)
	To the Series 2014-2 Senior Scheduled Principal Subaccount	(US\$ 4,124,275.61)
	To the Series 2014-3 Senior Scheduled Principal Subaccount	(US\$ 8,905,903.60)
	To the Series 2018-1 Senior Scheduled Principal Subaccount	US\$ 0.00
Fourth	To the Series 2014-1 Debt Service Reserve Account	US\$ 0.00
	To the Series 2014-2 Debt Service Reserve Account	US\$ 0.00
	To the Series 2014-3 Debt Service Reserve Account	US\$ 0.00
	To the Series 2018-1 Debt Service Reserve Account	US\$ 0.00
Fifth	(i) To the Liquidity Reserve Account	US\$ 0.00
	(ii) To the Special Interest Liquidity Reserve Account	US\$ 0.00
Sixth	To the Series 2014-1 Senior Accelerated Principal Subaccount	US\$ 0.00
	To the Series 2014-2 Senior Accelerated Principal Subaccount	US\$ 0.00
	To the Series 2014-3 Senior Accelerated Principal Subaccount	US\$ 0.00
	To the Series 2018-1 Senior Accelerated Principal Subaccount	US\$ 0.00
Seventh	To the Series 2014-1 Senior Excess Interest Subaccount	US\$ 0.00
	To the Series 2014-2 Senior Excess Interest Subaccount	US\$ 0.00
	To the Series 2014-3 Senior Excess Interest Subaccount	US\$ 0.00
	To the Series 2018-1 Senior Excess Interest Subaccount	US\$ 0.00
Eighth	To the Series 2014-1 Senior Excess Scheduled Principal Subaccount	US\$ 0.00
	To the Series 2014-2 Senior Excess Scheduled Principal Subaccount	US\$ 0.00
	To the Series 2014-3 Senior Excess Scheduled Principal Subaccount	US\$ 0.00
	To the Series 2018-1 Senior Excess Scheduled Principal Subaccount	US\$ 0.00
Ninth	To the Series 2014-1 Senior Excess Accelerated Principal Subaccount	US\$ 0.00
	To the Series 2014-2 Senior Excess Accelerated Principal Subaccount	US\$ 0.00
	To the Series 2014-3 Senior Excess Accelerated Principal Subaccount	US\$ 0.00
	To the Series 2018-1 Senior Excess Accelerated Principal Subaccount	US\$ 0.00
Tenth	(i) to the Trigger Event Reserve Account	US\$ 0.00
	(ii) to the Special Interest Trigger Event Reserve Account	US\$ 0.00
Eleventh	Not applicable	US\$ 0.00
Twelfth	Not applicable	US\$ 0.00
Thirteenth	Not applicable	US\$ 0.00
Fourteenth	To the Reserve LC Expenses Subaccount	US\$ 0.00
Fifteenth	To the holder of the Sponsor Note and to RJS	US\$ 0.00
Total Debt		(US\$ 32,959,360.30)



Section (D) - Transfer Amounts Details and Supporting Calculations

(i) Excess Companhia Securitizadora Expenses Transfer Amount

Service Provider	Cetip S.A. – Mercados Organizados
Description	Services related to registration, central securities depository (CSD), trading and settlement of local debentures issued by Companhia Securitizadora
Expense	Custody Fee
Source	www.cetip.com.br – <i>Comunicados e Documentos – Tabela de Preços</i>
Total Amount Due	R\$ 7,275.15

Supporting Calculations:

1) Custody Fee

$$\text{Custody} = (\text{Local Debenture Amount} \times \text{Applicable Rate}) + \text{Additional Amount}$$

$$\text{Custody} = (\text{R\$ } 406,432,960.89 \times 0,001790\%) + \text{R\$ } 0.00 = \text{R\$ } 7,275.15$$

Service Provider	Banco do Brasil S.A.
Description	Services related to receiving payments from the Companhia Securitizadora and then distributing to the holders of local debentures
Expense	Paying Agent Fee
Source	<i>Contrato de Banco Mandatário</i>
Total Amount Due	R\$ 6,493.82

Supporting Calculations:

1) Paying Agent Fee

Fixed monthly fee of R\$ 4,900.00, adjusted annually on the anniversary of Closing Date based upon IGP-DI index (*Índice Geral de Preços – Disponibilidade Interna*).

$$\text{Adjusted Paying Agent Fee} = \text{Monthly Fee} \times \text{IGP} - \text{DI Index}$$

$$\text{Adjusted Paying Agent Fee} = \text{R\$ } 4,900.00 \times 1.32526990^i = \text{R\$ } 6,493.82$$

i) IGP-DI factor, from Jun/2014 to May/2019.

Service Provider	Banco do Brasil S.A.
Description	Services related to holding the collateral on behalf of the holders of local debentures issued by Companhia Securitizadora
Expense	Local Debentures Collateral Agent Fee
Source	<i>Contrato de Administração de Contas</i>
Total Amount Due	R\$ 4,227.29



Section (D) - Transfer Amounts Details and Supporting Calculations (cont.)

(i) Excess Companhia Securitizadora Expenses Transfer Amount (cont.)

Supporting Calculations:

1) Collateral Agent Fee

Fixed monthly fee of R\$ 3,000.00 adjusted annually on the anniversary of Closing Date based upon IPCA index (*Índice Nacional de Preços ao Consumidor Amplo*), plus any additional amounts that may be necessary to offset the effect of any withholding taxes.

Taxes: *Imposto de Renda* (IR) – 1,5%, *Contribuição Social sobre o Lucro Líquido* (CSLL) – 1,0%, *Contribuição para o Financiamento da Seguridade Social* (Cofins) – 3,0% and *Programa de Integração Social e Programa de Formação do Patrimônio do Servidor Público* (PIS / Pasep) – 0,65%.

1.a) Collateral Agent Fee Adjustment

$$\text{Adjusted Collateral Agent Fee} = \text{Monthly Fee} \times \text{IPCA Index}$$

$$\text{Adjusted Collateral Agent Fee} = \text{R\$ } 3,000.00 \times 1.32243700^i = \text{R\$ } 3,967.31$$

1.b) Collateral Agent Fee including Taxes

$$\text{Collateral Agent Fee} = \frac{\text{Fixed Fee (adjusted annually)}}{(1 - \text{taxes})}$$

$$\text{Collateral Agent Fee} = \frac{\text{R\$ } 3,967.31}{(1 - 0,0615)} = \text{R\$ } 4,227.29$$

i) IPCA factor, from Jun/2014 to May/2019.

Service Provider	Fundo Único de Previdência Social do Estado do Rio de Janeiro
Description	Headquarter's office rental agreement
Expense	Rental Fee
Source	<i>Termo de Cessão de Uso de Imóvel</i>
Total Amount Due	R\$ 786.67

Supporting Calculations:

1) Rental Fee

Fixed rate monthly fee of R\$ 595.00, adjusted annually on the anniversary of the agreement initial date based upon INPC index (*Índice Nacional de Preços ao Consumidor*).

$$\text{Adjusted Rental Fee} = \text{Monthly Fee} \times \text{INPC Index}$$

$$\text{Adjusted Rental Fee} = \text{R\$ } 748.68^* \times (1 + 5.07426\%) = \text{R\$ } 786.67$$

* Monthly rental fee as of May/2019



Section (D) - Transfer Amounts Details and Supporting Calculations (cont.)

(i) Excess Companhia Securitizadora Expenses Transfer Amount (cont.)

Service Provider	Rio Petróleo SPE S/A Director's fee
Description	Director's remuneration
Expense	Director's Fee
Source	<i>Estatuto Social</i>
Total Amount Due	R\$ 15,925.00

Supporting Calculations:

1) Director's Fee

Fixed rate monthly fee of R\$ 6,500.00 for each Director plus INSS*.

Director		Director		Total
Nicholas Ribeiro da Costa Cardoso		Lazaro Guilherme Piunti		
Month	Amount	Month	Amount	
Jul 19	R\$ 6,500.00	Jul 19	R\$ 6,500.00	R\$ 13,000.00
Jul 19 (INSS)	R\$ 1,462.50	Jul 19 (INSS)	R\$ 1,462.50	R\$ 2,925.00
Total	R\$ 7,962.50	Total	R\$ 7,962.50	R\$ 15,925.00

* Social Security Tax

Service Provider	BDO RCS Controladoria e Contabilidade Ltda.
Description	Management, tax and accounting services for Companhia Securitizadora
Expense	Companhia Securitizadora Controller Fee
Source	<i>Invoice No 440</i>
Total Amount Due	R\$ 9,795.92

Service Provider	RIIA Design Ltda – EPP
Description	Companhia Securitizadora's website hosting
Expense	Administrative Fee
Source	<i>Nota Fiscal No. 1317</i>
Total Amount Due	R\$ 12,296.47



Section (D) - Transfer Amounts Details and Supporting Calculations (cont.)

(i) Excess Companhia Securitizadora Expenses Transfer Amount (cont.)

Description	Taxation on Companhia Securitizadora's Revenue
Expense	PIS/COFINS
Source	<i>Campos Mello Legal Opinion</i>
Total Amount Due	R\$ 2,770.02

Supporting Calculations:

1) PIS/COFINS

$$PIS / COFINS = Expenses \times \left[\frac{0.0465}{(1 - 0.0465)} \right]$$

$$PIS / COFINS = R\$ 56,800.32 \times 0.04876769 = \mathbf{R\$ 2,770.02}$$

Total Excess Companhia Securitizadora Expenses

$$\begin{aligned} &R\$ 7,275.15 + R\$ 6,493.82 + R\$ 4,227.29 + R\$ 786.67 + R\$ 15,925.00 + R\$ 9,795.92 \\ &+ R\$ 12,296.47 + R\$ 2,770.02 = \mathbf{R\$ 59,570.34} \end{aligned}$$



Section (D) - Transfer Amounts Details and Supporting Calculations

(ii) Series 2014-1 Senior Scheduled Principal Transfer Amount

$$\text{Series 2014} - 1 \text{ Senior Scheduled Principal Transfer Amount} = (a) - (b)$$

$$\text{Series 2014} - 1 \text{ Senior Scheduled Principal Required Amount} = (c) \times \sum (d)$$

$$\text{Pending Scheduled Principal Amount for the Series 2014} - 1 \text{ Notes} = (e) + (f) + (g) + (h)$$

$$\text{Scheduled Principal Amount for the Series 2014} - 1 \text{ Notes} = [(i) \times (j)] - (k)$$

- (a) Series 2014-1 Senior Scheduled Principal Required Amount
- (b) Series 2014-1 Senior Scheduled Principal Subaccount Balance = US\$ 18,781,831.83
- (c) Series 2014-1 Senior Fraction = 1
- (d) Pending Scheduled Principal Amount for the Series 2014-1 Notes
- (e) Scheduled Principal Amount for the Series 2014-1 Notes
- (f) Any unpaid Scheduled Principal Amount for the Series 2014-1 Notes
- (g) Class Sponsor Refund Amount Principal Component for the Series 2014-1 Notes
- (h) Class RJS Damages Amount Principal Component for the Series 2014-1 Notes
- (i) Class Initial Principal Balance for the Series 2014-1 Notes = US\$ 2,000,000,000.00
- (j) Decimal equivalent of the fractional percentage for the Series 2014-1 Notes = 0.025
- (k) Any prepayment of Principal made as a result of an Early Amortization Period, according to the Section 8.3.(b) of the Indenture

Supporting Calculations:

1) Prepayment of Principal as result of an Early Amortization Period

$$\text{Scheduled Principal Reduction} =$$

$$\left\{ \left[\frac{(US\$ 2,000,000,000.00 \times 0.025)}{US\$ 1,960,000,000.00} \right] \times US\$ 103,795,555.08 \right\} +$$

$$\left\{ \left[\frac{(US\$ 2,000,000,000.00 \times 0.025)}{US\$ 1,890,000,000.00} \right] \times US\$ 185,884,163.13 \right\} +$$

$$\left\{ \left[\frac{(US\$ 2,000,000,000.00 \times 0.025)}{US\$ 1,860,000,000.00} \right] \times US\$ 129,057,062.90 \right\} +$$

$$\left\{ \left[\frac{(US\$ 2,000,000,000.00 \times 0.025)}{US\$ 1,830,000,000.00} \right] \times US\$ 9,307,195.26 \right\}$$

$$\text{Scheduled Principal Reduction} =$$

$$(0.0255102041 \times US\$ 103,795,555.08) + (0.0264550265 \times US\$ 185,884,163.13)$$

$$+ (0.0268817204 \times US\$ 129,059,062.90) + (0.0273224044 \times US\$ 9,307,195.26)$$

$$= \text{US\$ 11,288,987.08}$$

2) Scheduled Principal Amount for the Series 2014-1 Notes

$$\text{Scheduled Principal Amount} = [US\$ 2,000,000,000.00 \times 0.025] - US\$ 11,288,987.08$$

$$\text{Scheduled Principal Amount} = US\$ 50,000,000.00 - US\$ 11,288,987.08 = \text{US\$ 38,711,012.92}$$

3) Pending Scheduled Principal Amount for the Series 2014-1 Notes

$$\text{Pending Scheduled Principal Amount} = US\$ 38,711,012.92 + US\$ 0.00 + US\$ 0.00 + US\$ 0.00$$

$$\text{Pending Scheduled Principal Amount} = \text{US\$ 38,711,012.92}$$



Section (D) – Transfer Amounts Details and Supporting Calculations (cont.)

(ii) Series 2014-1 Senior Scheduled Principal Transfer Amount (cont.)

4) Series 2014-1 Senior Scheduled Principal Required Amount

Senior Scheduled Principal Required Amount = 1 x US\$ 38,711,012.92

Senior Scheduled Principal Required Amount = **US\$ 38,711,012.92**

5) Series 2014-1 Senior Scheduled Principal Transfer Amount (*not pro rata*)

Senior Scheduled Principal Transfer Amount = US\$ 38,711,012.92 – US\$ 18,781,831.83

Senior Scheduled Principal Transfer Amount = **US\$ 19,929,181.09**



Section (D) – Transfer Amounts Details and Supporting Calculations (cont.)

(iii) Series 2014-2 Senior Scheduled Principal Transfer Amount

$$\text{Series 2014 – 2 Senior Scheduled Principal Transfer Amount} = (a) - (b)$$

$$\text{Series 2014 – 2 Senior Scheduled Principal Required Amount} = (c) \times \sum (d)$$

$$\text{Pending Scheduled Principal Amount for the Series 2014 – 2 Notes} = (e) + (f) + (g) + (h)$$

$$\text{Scheduled Principal Amount for the Series 2014 – 2 Notes} = [(i) \times (j)] - (k)$$

- (a) Series 2014-2 Senior Scheduled Principal Required Amount
- (b) Series 2014-2 Senior Scheduled Principal Subaccount Balance = R\$ 16,194,985.46
- (c) Series 2014-2 Senior Fraction = 1
- (d) Pending Scheduled Principal Amount for the Series 2014-2 Notes
- (e) Scheduled Principal Amount for the Series 2014-2 Notes
- (f) Any unpaid Scheduled Principal Amount for the Series 2014-2 Notes
- (g) Class Sponsor Refund Amount Principal Component for the Series 2014-2 Notes
- (h) Class RJS Damages Amount Principal Component for the Series 2014-2 Notes
- (i) Class Initial Principal Balance for the Series 2014-2 Notes = R\$ 2,400,000,000.00
- (j) Decimal equivalent of the fractional percentage for the Series 2014-2 Notes = 0.03571
- (k) Any prepayment of Principal made as a result of an Early Amortization Period, according to the Section 8.3.(b) of the Indenture

Supporting Calculations:

1) Prepayment of Principal as result of an Early Amortization Period

$$\begin{aligned} \text{Scheduled Principal Reduction} = & \left\{ \left[\frac{(R\$ 2,400,000,000.00 - R\$ 960,000,000.00) \times 0.03571}{R\$ 1,182,888,000.00} \right] \times R\$ 146,266,499.10 \right\} + \\ & \left\{ \left[\frac{(R\$ 2,400,000,000.00 - R\$ 960,000,000.00) \times 0.03571}{R\$ 1,028,620,800.00} \right] \times R\$ 135,754,367.55 \right\} + \\ & \left\{ \left[\frac{(R\$ 2,400,000,000.00 - R\$ 960,000,000.00) \times 0.03571}{R\$ 977,198,400.00} \right] \times R\$ 95,729,872.61 \right\} + \\ & \left\{ \left[\frac{(R\$ 2,400,000,000.00 - R\$ 960,000,000.00) \times 0.03571}{R\$ 925,776,000.00} \right] \times R\$ 8,895,659.18 \right\} \end{aligned}$$

$$\begin{aligned} \text{Scheduled Principal Reduction} = & (0.0434719094 \times R\$ 146,266,499.10) + (0.0499916004 \times R\$ 135,754,367.55) + (0.0526222720 \times R\$ 95,729,872.61) \\ & + (0.0555451859 \times R\$ 8,895,659.18) = \mathbf{R\$ 18,676,696.53} \end{aligned}$$

2) Scheduled Principal Amount for the Series 2014-2 Notes

$$\text{Scheduled Principal Amount} = [(R\$ 2,400,000,000.00 - R\$ 960,000,000.00) \times 0.03571] - R\$ 18,676,696.53$$

$$\text{Scheduled Principal Amount} = R\$ 51,422,400.00 - R\$ 18,676,696.53 = \mathbf{R\$ 32,745,703.47}$$

3) Pending Scheduled Principal Amount for the Series 2014-2 Notes

$$\text{Pending Scheduled Principal Amount} = R\$ 32,745,703.47 + R\$ 0.00 + R\$ 0.00 + R\$ 0.00$$

$$\text{Pending Scheduled Principal Amount} = \mathbf{R\$ 32,745,703.47}$$



Section (D) – Transfer Amounts Details and Supporting Calculations (cont.)

(iii) Series 2014-2 Senior Scheduled Principal Transfer Amount (cont.)

4) Series 2014-2 Senior Scheduled Principal Required Amount

$$\text{Senior Scheduled Principal Required Amount} = 1 \times \text{R\$ } 32,745,703.47$$

$$\text{Senior Scheduled Principal Required Amount} = \text{R\$ } 32,745,703.47$$

5) Series 2014-2 Senior Scheduled Principal Transfer Amount (*not pro rata*)

$$\text{Senior Scheduled Principal Transfer Amount} = \text{R\$ } 32,745,703.47 - \text{R\$ } 16,194,985.46$$

$$\text{Senior Scheduled Principal Transfer Amount} = \text{R\$ } 16,550,718.01 \text{ (US\$ } 4,124,275.61)$$



Section (D) – Transfer Amounts Details and Supporting Calculations (cont.)

(iv) Series 2014-3 Senior Scheduled Principal Transfer Amount

$$\text{Series 2014 – 3 Senior Scheduled Principal Transfer Amount} = (a) - (b)$$

$$\text{Series 2014 – 3 Senior Scheduled Principal Required Amount} = (c) \times \sum (d)$$

$$\text{Pending Scheduled Principal Amount for the Series 2014 – 3 Notes} = (e) + (f) + (g) + (h)$$

$$\text{Scheduled Principal Amount for the Series 2014 – 3 Notes} = [(i) \times (j)] - (k)$$

- (a) Series 2014-3 Senior Scheduled Principal Required Amount
- (b) Series 2014-3 Senior Scheduled Principal Subaccount Balance = US\$ 8,393,178.96
- (c) Series 2014-3 Senior Fraction = 1
- (d) Pending Scheduled Principal Amount for the Series 2014-3 Notes
- (e) Scheduled Principal Amount for the Series 2014-3 Notes
- (f) Any unpaid Scheduled Principal Amount for the Series 2014-3 Notes
- (g) Class Sponsor Refund Amount Principal Component for the Series 2014-3 Notes
- (h) Class RJS Damages Amount Principal Component for the Series 2014-3 Notes
- (i) Class Initial Principal Balance for the Series 2014-3 Notes = US\$ 1,100,000,000.00
- (j) Decimal equivalent of the fractional percentage for the Series 2014-3 Notes = 0.020
- (k) Any prepayment of Principal made as a result of an Early Amortization Period, according to the Section 8.3.(b) of the Indenture

Supporting Calculations:

1) Prepayment of Principal as result of an Early Amortization Period

$$\text{Scheduled Principal Reduction} =$$

$$\left\{ \left[\frac{(US\$ 1,100,000,000.00 \times 0.010)}{US\$ 1,100,000,000.00} \right] \times US\$ 163,811,783.37 \right\} +$$

$$\left\{ \left[\frac{(US\$ 1,100,000,000.00 \times 0.010)}{US\$ 1,094,500,000.00} \right] \times US\$ 65,835,487.61 \right\} +$$

$$\left\{ \left[\frac{(US\$ 1,100,000,000.00 \times 0.010)}{US\$ 1,089,000,000.00} \right] \times US\$ 5,017,091.90 \right\}$$

$$\text{Scheduled Principal Reduction} =$$

$$(0.020 \times US\$ 163,811,783.37) + (0.0201005025 \times US\$ 65,835,487.61) + (0.0202020202 \times US\$ 5,017,091.90)$$

$$= \text{US\$ 4,700,917.44}$$

2) Scheduled Principal Amount for the Series 2014-3 Notes

$$\text{Scheduled Principal Amount} = [US\$ 1,100,000,000.00 \times 0.020] - US\$ 4,700,917.44$$

$$\text{Scheduled Principal Amount} = US\$ 22,000,000.00 - US\$ 4,700,917.44 = \text{US\$ 17,299,082.56}$$

3) Pending Scheduled Principal Amount for the Series 2014-3 Notes

$$\text{Pending Scheduled Principal Amount} = US\$ 17,299,082.56 + US\$ 0.00 + US\$ 0.00 + US\$ 0.00$$

$$\text{Pending Scheduled Principal Amount} = \text{US\$ 17,299,082.56}$$



Section (D) – Transfer Amounts Details and Supporting Calculations (cont.)

(iv) Series 2014-3 Senior Scheduled Principal Transfer Amount (cont.)

4) Series 2014-3 Senior Scheduled Principal Required Amount

Senior Scheduled Principal Required Amount = 1 x US\$ 17,299,082.56

*Senior Scheduled Principal Required Amount = **US\$ 17,299,082.56***

5) Series 2014-3 Senior Scheduled Principal Transfer Amount (*not pro rata*)

Senior Scheduled Principal Transfer Amount = US\$ 17,299,082.56 – US\$ 8,393,178.96

*Senior Scheduled Principal Transfer Amount = **US\$ 8,905,903.60***



Section (D) – Transfer Amounts Details and Supporting Calculations (cont.)

(v) Taxation Expenses Transfer Amount

1) All funds transferred from Brazil to the Issuer abroad and/or from the Issuer abroad to Brazil are subject to IOF (*Imposto sobre Operações de Crédito, Câmbio e Seguros ou relativos a Títulos ou Valores Mobiliário*) at the rate of 0.38%;

2) All funds transferred from Brazil to the Issuer abroad are subject to IRRF (*Imposto de Renda Retido na Fonte*) at the rate of 15.00%, for the amounts other than related to a portion of Principal Payments that does not represent capital gain as a consequence of exchange rate movement, to fund the Debt Service Reserve Account, to fund the Liquidity Reserve Account and to fund the Trigger Event Reserve Account;

3) All funds drawn from the Debt Service Reserve Account, from the Liquidity Reserve Account and from the Trigger Event Reserve Account outside Brazil to be used for Interest Payment and for the portion of Principal Payment that represents capital gain as a consequence of exchange rate movement are subject to IRRF (*Imposto de Renda Retido na Fonte*) at the rate of 15,00%.

Supporting Calculations:

1) IOF

$$IOF = \text{Amount Wired Offshore} \times 0.38\%$$

$$IOF = \text{US\$ } 28,835,084.69 \times 0.38\% = \text{US\$ } 109,573.32 \text{ (R\$ } 439,717.74)$$

2) IRRF

i. Over the funds transferred to the Issuer outside Brazil

(a) Portion of Principal Payments that does not represent capital gain

For the Series 2014-1:

Principal Amortization: US\$ 19,929,181.09

FX Rate (as of 08/15/2019): R\$ 4.0130

Acquisition Cost (as of 06/20/2014): R\$ 4,148,415,853.35

Initial Principal Amount: US\$ 2,000,000,000.00

$$\text{Portion of Principal Payments} = \frac{\left[\text{Acquisition Cost} \times \left(\frac{\text{Principal Payment}}{\text{Initial Principal Amount}} \right) \right]}{\text{FX Rate}}$$

$$\text{Portion of Principal Payments} = \frac{\left[\text{R\$ } 4,148,415,853.35 \times \left(\frac{\text{US\$ } 19,929,181.09}{\text{US\$ } 2,000,000,000.00} \right) \right]}{\text{R\$ } 4.0130} = \text{US\$ } 10,300,838.62$$



Section (D) – Transfer Amounts Details and Supporting Calculations (cont.)

(v) Taxation Expenses Transfer Amount (cont.)

For the Series 2014-3:

Principal Amortization: US\$ 8,905,903.60

FX Rate (as of 08/15/2019): R\$ 4.0130

Acquisition Cost (as of 06/20/2014): R\$ 2,775,991,813.41

Initial Principal Amount: US\$ 1,100,000,000.00

$$\text{Portion of Principal Payments} = \frac{\left[\text{Acquisition Cost} \times \left(\frac{\text{Principal Payment}}{\text{Initial Principal Amount}} \right) \right]}{\text{FX Rate}}$$

$$\text{Portion of Principal Payments} = \frac{\left[\text{R\$ } 2,775,991,813.41 \times \left(\frac{\text{US\$ } 8,905,903.60}{\text{US\$ } 1,100,000,000.00} \right) \right]}{\text{R\$ } 4.0130} = \text{US\$ } 5,600,597.03$$

$$\text{Total Portion of Principal Payments} = \text{US\$ } 10,300,838.62 + \text{US\$ } 5,600,597.03 = \text{US\$ } 15,901,435.65$$

(b) Deductions

$$\text{Deductions} = \text{Portion of Principal Payments} + \text{Debt Service Reserve Account} \\ + \text{Liquidity Reserve Account} + \text{Trigger Event Reserve Account}$$

$$\text{Deductions} = \text{US\$ } 15,901,435.65 + \text{US\$ } 0.00 + \text{US\$ } 0.00 + \text{US\$ } 0.00 = \text{US\$ } 15,901,435.65$$

(c) Amount subject to Tax

$$\text{Amount subject to Tax} = \text{Amount Wired Offshore} + \text{Offshore Excess Amounts} - \text{Deductions}$$

$$\text{Amount subject to Tax} = \text{US\$ } 28,835,084.69 + \text{US\$ } 0.00 - \text{US\$ } 15,901,435.65 = \text{US\$ } 12,933,649.04$$

(d) IRRF

$$\text{IRRF} = (c) \times \left[\frac{0.15}{(1 - 0.15)} \right]$$

$$\text{IRRF} = \text{US\$ } 12,933,649.04 \times 0.176470588 = \text{US\$ } 2,282,408.65 (\text{R\$ } 9,159,305.93)$$

ii. Companhia Securitizadora Expenses not transferred to the Issuer outside Brazil

$$\text{IRRF} = \text{Expenses} \times \left[\frac{0.15}{(1 - 0.15)} \right]$$

$$\text{IRRF} = \text{R\$ } 59,570.34 \times 0.176470588 = \text{R\$ } 10,512.41 (\text{US\$ } 2,619.59)$$

Total Taxation Expenses

$$\text{US\$ } 109,573.32 + \text{US\$ } 2,282,408.65 + \text{US\$ } 2,619.59 = \text{US\$ } 2,394,601.56 (\text{R\$ } 9,609,536.08)$$



Section (E) – Transaction Accounts Balance

Collections Account		Amount
Date	Description	
07/31/19	Balance	R\$ 0.00
08/15/19	Assigned Oil Revenues and Assigned Oil Revenue Rights	R\$ 2,398,191,168.64
08/15/19	Taxation Expenses Transfer Amount	(R\$ 9,609,536.08)
08/15/19	Excess Companhia Securitizadora Expenses Transfer Amount	(R\$ 59,570.34)
08/15/19	To the Series 2014-1 Scheduled Principal Transfer Amount	(R\$ 79,975,803.71)
08/15/19	To the Series 2014-2 Scheduled Principal Transfer Amount	(R\$ 16,550,718.01)
08/15/19	To the Series 2014-3 Scheduled Principal Transfer Amount	(R\$ 35,739,391.15)
08/15/19	To the holder of the Sponsor Note and/or RJS	(R\$ 2,256,256,149.35)
Final Balance as of the close of business of August 15, 2019		R\$ 0.00

Series 2014-2 Special Series Account		Amount
Date	Description	
07/31/19	Balance	R\$ 32,932,507.53
08/15/19	Interest (Eligible Investments)	R\$ 63,503.10
08/15/19	Series 2014-2 Scheduled Principal Transfer Amount	R\$ 16,550,718.01
Final Balance as of the close of business of August 15, 2019		R\$ 49,546,728.64

Series 2014-2 Special Debt Service Reserve Account		Amount
Date	Description	
07/31/19	Balance	R\$ 144,895,470.00
Final Balance as of the close of business of August 15, 2019		R\$ 144,895,470.00

Special Interest Liquidity Reserve Account		Amount
Date	Description	
07/31/19	Balance	R\$ 0.00
Final Balance as of the close of business of August 31, 2019		R\$ 0.00

Special Interest Trigger Event Reserve Account		Amount
Date	Description	
07/31/19	Balance	R\$ 0.00
Final Balance as of the close of business of August 31, 2019		R\$ 0.00



Section (F) – Other Information

Events	Y / N
Has any Event of Default occurred or continued as of the close of business for the Indenture Trustee on the related Allocation Date?	No
Has any Trigger Event occurred or continued as of the close of business for the Indenture Trustee on the related Allocation Date?	No
Has any Bond Administrator Replacement Event occurred or continued as of the close of business for the Indenture Trustee on the related Allocation Date?	No
Has any Servicer Replacement Event occurred or continued as of the close of business for the Indenture Trustee on the related Allocation Date?	No
Has any Event of Default been declared as of the close of business for the Indenture Trustee on the related Allocation Date?	No
Has any Early Amortization Period been declared as of the close of business for the Indenture Trustee on the related Allocation Date?	No
Has there been the occurrence of conditions, which give rise to any Sponsor Refund Obligations or any RJS Damages as of the close of business for the Indenture Trustee on the related Allocation Date?	No



Section (G) – Transfer Instructions

Transaction: Funds to the Senior Scheduled Principal Subaccount			Amount
Type	Account	Name	
Debt	11249600	Revenue Account	(US\$ 28,835,084.69)
Credit	11250200	Senior 2014-1 Series Account	US\$ 19,929,181.09
Credit	11348400	Senior 2014-3 Series Account	US\$ 8,905,903.60