



PETROBRAS GLOBAL FINANCE B.V.

Unconditionally guaranteed by

PETRÓLEO BRASILEIRO S.A. – PETROBRAS

(Brazilian Petroleum Corporation – Petrobras)

U.S.\$4,115,281,000 5.093% Global Notes Due 2030

On September 18, 2019, Petrobras Global Finance B.V., or “PGF,” a wholly-owned subsidiary of Petr leo Brasileiro S.A. – Petrobras, or “Petrobras,” issued U.S.\$4,114,281,000 aggregate principal amount of its 5.093% Global Notes due 2030, the “Notes,” as consideration in private exchange offers, or the “Exchange Offers,” conducted in reliance upon exemptions from the registration requirements of the U.S. Securities Act of 1933, as amended, or the “Securities Act.”

This Listing Memorandum relates to the Notes so issued.

The Notes are general, unsecured, unsubordinated obligations of PGF, and are unconditionally and irrevocably guaranteed by Petrobras. The Notes will mature on January 15, 2030 and bear interest at the rate of 5.093% per annum. Interest on the Notes is payable on January 15 and July 15 of each year, beginning on January 15, 2020.

PGF has paid and will pay additional amounts related to the deduction of certain withholding taxes in respect of certain payments on the Notes. PGF may redeem, in whole or in part, the Notes at any time by paying the greater of the principal amount of the Notes and the applicable “make-whole” amount, plus, in each case, accrued interest. The Notes will also be redeemable without premium prior to maturity at PGF’s option solely upon the imposition of certain withholding taxes. See “Description of the Notes—Optional Redemption—Redemption for Taxation Reasons.”

The Notes were offered pursuant to an exemption from the requirement to publish a prospectus under Regulation (EU) 2017/1129 (as amended and supplemented from time to time, the “Prospectus Regulation”), of the European Union, and this Listing Memorandum has not been approved by a competent authority within the meaning of the Prospectus Regulation. The Notes were not intended to be offered, sold, or otherwise made available to and should not be offered, sold, or otherwise made available to any retail investor in the European Economic Area.

This Listing Memorandum constitutes a prospectus for purposes of Part IV of the Luxembourg law on prospectuses for securities dated July 16, 2019. PGF has applied to have the Notes listed on the Official List of the Luxembourg Stock Exchange and to trading on the Euro Multilateral Trading Facility (“EuroMTF”) Market of the Luxembourg Stock Exchange.

See “Risk Factors” beginning on page 16 to read about factors you should consider before investing in the Notes.

The Notes have not been registered under the Securities Act, or the securities laws of any state or any other jurisdiction and may not be offered or sold in the United States or to, or for the account or benefit of, U.S. persons (as defined in Regulation S under the Securities Act, or “Regulation S”), except in transactions exempt from, or not subject to, the registration requirements of the Securities Act. Accordingly, the Notes are being offered and sold only to qualified institutional buyers in accordance with Rule 144A under the Securities Act, or “Rule 144A,” and outside the United States to non-U.S. persons in reliance on Regulation S. Prospective purchasers that are qualified institutional buyers are hereby notified that the seller of the Notes may be relying on the exemption from the provisions of Section 5 of the Securities Act provided by Rule 144A. For a description of certain restrictions on transfer of the Notes, see “Transfer Restrictions.” We have agreed, subject to certain conditions, to offer to exchange the Notes for substantially identical notes registered under the Securities Act. See “Registration Rights.”

Neither the U.S. Securities and Exchange Commission, or the “SEC,” nor any state securities commission has approved or disapproved of these securities or determined if this listing memorandum is truthful or complete. Any representation to the contrary is a criminal offense.

The date of this Listing Memorandum is November 6, 2019

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We are responsible for the information contained and incorporated by reference in this Listing Memorandum. PGF and Petrobras have not authorized anyone to provide any information other than that contained in or incorporated by reference in this Listing Memorandum. We take no responsibility for, and can provide no assurance as to the reliability of, any other information that others may give you. You should not assume that the information contained in this Listing Memorandum or in any document incorporated by reference in this Listing Memorandum is accurate as of any date other than the date of the relevant document. Our business, financial condition, results of operations and prospects may have changed since those dates.

ABOUT THIS LISTING MEMORANDUM

In this Listing Memorandum, unless the context otherwise requires or as otherwise indicated, references to “Petrobras” mean Petróleo Brasileiro S.A. – Petrobras and its consolidated subsidiaries taken as a whole, and references to “PGF” mean Petrobras Global Finance B.V., a wholly-owned subsidiary of Petrobras. Terms such as “we,” “us” and “our” generally refer to both Petrobras and PGF, unless the context requires otherwise or as otherwise indicated.

References herein to “*reais*” or “R\$” are to the lawful currency of Brazil. References herein to “U.S. dollars” or “U.S.\$” are to the lawful currency of the United States.

This Listing Memorandum has been prepared by us solely for use in connection with the listing of the securities described in this Listing Memorandum. You are authorized to use this Listing Memorandum solely for the purpose of considering an investment in the Notes.

In making an investment decision, prospective investors must rely on their own examination of PGF and Petrobras and the terms of the Notes, including the merits and risks involved. Prospective investors should not construe anything in this Listing Memorandum as legal, business or tax advice. Each prospective investor should consult its own advisors as needed to make its investment decision and to determine whether it is legally permitted to purchase the securities under applicable legal investment or similar laws or regulations.

We have furnished the information in this Listing Memorandum. This Listing Memorandum contains summaries believed to be accurate with respect to certain documents, but reference is made to the actual documents for complete information. All such summaries are qualified in their entirety by such reference. Copies of documents referred to herein will be made available to prospective investors upon request to us.

The distribution of this Listing Memorandum and the offering and sale of the Notes in certain jurisdictions may be restricted by law. We require persons into whose possession this Listing Memorandum comes to inform themselves about and to observe any such restrictions. This Listing Memorandum does not constitute an offer of, or an invitation to purchase, any of the Notes in any jurisdiction in which such offer or sale would be unlawful.

The Notes are subject to restrictions on transferability and resale and may not be transferred or resold except as permitted under the Securities Act, and the applicable state securities laws pursuant to registration or exemption therefrom. As a prospective purchaser, you should be aware that you may be required to bear the financial risks of this investment for an indefinite period of time. See “Plan of Distribution” and “Transfer Restrictions.”

The Notes may not be offered or sold to any person in the United Kingdom, other than to persons whose ordinary activities involve them acquiring, holding, managing or disposing of investments (as principal or agent) for the purposes of their businesses or who it is reasonable to expect will acquire, hold, manage or dispose of investments (as principal or agent) for the purposes of their businesses or otherwise in circumstances which have not resulted and will not result in an offer to the public in the United Kingdom.

NOTICE TO RESIDENTS OF EUROPEAN ECONOMIC AREA

THE NOTES ARE NOT INTENDED TO BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE TO AND SHOULD NOT BE OFFERED, SOLD OR OTHERWISE MADE AVAILABLE IN THE EUROPEAN ECONOMIC AREA TO ANY RETAIL INVESTOR (AS DEFINED IN REGULATION (EU) NO. 1286/2014 (THE “PRIIPS REGULATION”). CONSEQUENTLY NO KEY INFORMATION DOCUMENT REQUIRED BY THE PRIIPS REGULATION FOR OFFERING OR SELLING THE NOTES OR OTHERWISE MAKING THEM AVAILABLE TO RETAIL INVESTORS IN THE EUROPEAN ECONOMIC AREA HAS BEEN PREPARED AND THEREFORE OFFERING OR SELLING THE NOTES OR OTHERWISE MAKING THEM AVAILABLE TO ANY RETAIL INVESTOR IN THE EEA MAY BE UNLAWFUL UNDER THE PRIIPS REGULATION.

FORWARD-LOOKING STATEMENTS

Some of the information contained or incorporated by reference in this Listing Memorandum constitutes forward-looking statements that are not based on historical facts and are not assurances of future results. Many of the forward-looking statements contained, or incorporated by reference, in this Listing Memorandum may be identified by the use of forward-looking words, such as “believe,” “expect,” “estimate,” “anticipate,” “intend,” “plan,” “aim,” “will,” “may,” “should,” “could,” “would,” “likely,” “potential” and similar expressions.

Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of the date on which they are made. There is no assurance that the expected events, trends or results will actually occur.

We have made forward-looking statements that address, among other things:

- our marketing and expansion strategy;
- our exploration and production activities, including drilling;
- our activities related to refining, import, export, transportation of oil, natural gas and oil products, petrochemicals, power generation, biofuels and other sources of renewable energy;
- our projected and targeted capital expenditures and other costs, commitments and revenues;
- our liquidity and sources of funding;
- our pricing strategy and development of additional revenue sources; and
- the impact, including cost, of acquisitions and divestments.

Our forward-looking statements are not guarantees of future performance and are subject to assumptions that may prove incorrect and to risks and uncertainties that are difficult to predict. Our actual results could differ materially from those expressed or forecast in any forward-looking statements as a result of a variety of assumptions and factors. These factors include, but are not limited to, the following:

- our ability to obtain financing;
- general economic and business conditions, including crude oil and other commodity prices, refining margins and prevailing exchange rates;
- global economic conditions;
- our ability to find, acquire or gain access to additional reserves and to develop our current reserves successfully;
- uncertainties inherent in making estimates of our oil and gas reserves, including recently discovered oil and gas reserves;
- competition;
- technical difficulties in the operation of our equipment and the provision of our services;
- changes in, or failure to comply with, laws or regulations, including with respect to fraudulent activity, corruption and bribery;
- receipt of governmental approvals and licenses;

- international and Brazilian political, economic and social developments;
- natural disasters, accidents, military operations, acts of sabotage, wars or embargoes;
- the cost and availability of adequate insurance coverage;
- our ability to successfully implement assets sales under our divestment program;
- the outcome of ongoing corruption investigations and any new facts or information that may arise in relation to the “Lava Jato investigation;”
- the effectiveness of our risk management policies and procedures, including operational risks;
- litigation, such as class actions or enforcement or other proceedings brought by governmental and regulatory agencies; and
- other factors discussed in the Petrobras Annual Report on Form 20-F for the year ended December 31, 2018 (the “2018 Form 20-F”) under “Risk Factors.”

All forward-looking statements attributed to us or a person acting on our behalf are expressly qualified in their entirety by this cautionary statement, and you should not place undue reliance on any forward-looking statement included in this Listing Memorandum. We undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information or future events or for any other reason.

INCORPORATION OF CERTAIN DOCUMENTS BY REFERENCE

The following documents, which include information with respect to recent developments for Petrobras and PGF, have been filed or furnished by Petrobras with or to the SEC under the Exchange Act and are incorporated herein by reference:

- (1) The 2018 Form 20-F, filed with the SEC on April 1, 2019.
- (2) The Petrobras Report on Form 6-K furnished to the SEC on August 5, 2019, containing Petrobras's unaudited consolidated interim financial statements in U.S. dollars as of June 30, 2019, and for the three and six month periods ended June 30, 2019 and 2018, prepared in accordance with International Financial Reporting Standards ("IFRS"), as issued by the International Accounting Standards Board ("IASB").
- (3) The Petrobras Report on Form 6-K furnished to the SEC on August 6, 2019, relating to Petrobras's LPG pricing policy.
- (4) The Petrobras Report on Form 6-K furnished to the SEC on August 8, 2019, relating to Petrobras's 2019 oil hedging position.
- (5) The Petrobras Report on Form 6-K furnished to the SEC on August 13, 2019, relating to the debt pre-payment with Petros.
- (6) The Petrobras Report on Form 6-K furnished to the SEC on August 13, 2019, relating to the environmental licensing of the *Complexo Petroquímico do Rio de Janeiro*.
- (7) The Petrobras Report on Form 6-K furnished to the SEC on August 15, 2019, relating to the debt pre-payment with China Development Bank.
- (8) The Petrobras Report on Form 6-K furnished to the SEC on August 19, 2019, relating to Petrobras's debentures public offering.
- (9) The Petrobras Report on Form 6-K furnished to the SEC on August 20, 2019, containing a discussion of Petrobras's financial information and results in U.S. dollars as of June 30, 2019, and for the six-month periods ended June 30, 2019 and 2018.
- (10) The Petrobras Report on Form 6-K furnished to the SEC on August 21, 2019, relating to CARF's favorable decision regarding the collection of CIDE – Import tax on charter contracts.
- (11) The Petrobras Report on Form 6-K furnished to the SEC on August 29, 2019, announcing the election of a new Chief Governance and Compliance Executive Officer.
- (12) The Petrobras Report on Form 6-K furnished to the SEC on August 29, 2019, relating to CARF's favorable decision related to the approval of PIS and Cofins credits.
- (13) The Petrobras Report on Form 6-K furnished to the SEC on September 4, 2019, relating to the oil and gas production in August.
- (14) The Petrobras Report on Form 6-K furnished to the SEC on September 4, 2019, relating to the suspension of the public offering of Petrobras debentures.
- (15) The Petrobras Report on Form 6-K furnished to the SEC on September 9, 2019, relating to the final decision affirming the consolidated class action settlement agreement.

Any statement contained in a document incorporated by reference into this Listing Memorandum, or contained in this Listing Memorandum, shall be considered to be modified or superseded to the extent that a statement contained in this Listing Memorandum or in a subsequently filed document that is also incorporated by reference into this Listing Memorandum modifies or supersedes such statement. Any statement so modified or superseded in this manner does not, except as so modified or superseded, constitute a part of this Listing Memorandum.

We will provide without charge to each person to whom this Listing Memorandum is delivered, upon the request of such person, a copy of any or all of the documents incorporated herein by reference, other than exhibits to such documents (unless such exhibits are specifically incorporated by reference into such documents). Requests for such documents should be directed to the Depositary and Information Agent at its address set forth on the back cover of this Listing Memorandum.

WHERE YOU CAN FIND MORE INFORMATION

Documents incorporated by reference in this Listing Memorandum, including PGF's 2018 and 2017 financial statements and its 2017 and 2016 financial statements are available without charge. Each person to whom this Listing Memorandum is delivered may obtain documents incorporated by reference herein by requesting them either in writing or orally, by telephone or by e-mail from us at the following address:

Investor Relations Department
Petróleo Brasileiro S.A.-Petrobras
Avenida República do Chile, 65 — 10th Floor
20031-912 — Rio de Janeiro — RJ, Brazil
Telephone: +55 (21) 3224-0792
Fax: +55 (21) 3224-1401
E-mail: petroinvest@petrobras.com.br

Petrobras is subject to the informational requirements of the Exchange Act and accordingly files reports and other information with the SEC. Reports and other information filed by Petrobras with the SEC are available to the public on the SEC's website at www.sec.gov. You may also inspect Petrobras's reports and other information at the offices of the New York Stock Exchange, 11 Wall Street, New York, New York 10005. For further information on obtaining copies of Petrobras's public filings at the New York Stock Exchange, you should call +1 (212) 656-5060.

Information will also be available at the office of the Luxembourg paying agent.

SUMMARY

This summary highlights selected information appearing elsewhere, or incorporated by reference, in this Listing Memorandum and is, therefore, qualified in its entirety by the more detailed information appearing elsewhere, or incorporated by reference, in this Listing Memorandum. It may not contain all the information that is important to you. We urge you to read carefully this entire Listing Memorandum and the other documents to which it refers to understand fully the terms of the Notes. You should pay special attention to “Risk Factors” and “Forward-Looking Statements.”

PGF

PGF is a wholly-owned finance subsidiary of Petrobras, incorporated under the laws of The Netherlands as a private company with limited liability on August 2, 2012. PGF is an indirect subsidiary of Petrobras, and all of PGF’s shares are held by Petrobras’s Dutch subsidiary Petrobras International Braspetro B.V. PGF’s business is to issue debt securities in the international capital markets to finance Petrobras’s operations. PGF does not currently have any operations, revenues or assets other than those related to the issuance, administration and repayment of its debt securities. All debt securities issued by PGF are fully and unconditionally guaranteed by Petrobras. PGF was incorporated for an indefinite period of time.

Petrobras uses PGF as its main vehicle to issue securities in the international capital markets. PGF’s first offering of notes fully and unconditionally guaranteed by Petrobras occurred in September 2012. In December 2014, PGF assumed the obligations of Petrobras’s former finance subsidiary Petrobras International Finance Company S.A. (“PifCo”) under all then outstanding notes originally issued by PifCo, which continue to benefit from Petrobras’s full and unconditional guarantee.

PGF’s registered office is located at Weena 762, 3014 DA Rotterdam, The Netherlands, and our telephone number is +31 (0) 10 206-7000.

Petrobras

Petrobras is one of the world’s largest integrated oil and gas companies, engaging in a broad range of oil and gas activities. Petrobras is a *sociedade de economia mista*, organized and existing under the laws of Brazil. For the years ended December 31, 2018 and 2017, Petrobras had sales revenues of U.S.\$95.6 billion and U.S.\$88.8 billion, respectively, gross profit of U.S.\$34.1 billion and U.S.\$28.7 billion, respectively, and net income (loss) attributable to shareholders of Petrobras of U.S.\$7.2 billion and U.S.\$(91.0) million, respectively. In 2018, Petrobras’s average domestic daily oil production was 2,035 mmbbl/d. Petrobras engages in a broad range of activities, which cover the following segments of its operations:

- *Exploration and Production:* this segment covers the activities of exploration, development and production of crude oil, NGL (natural gas liquid) and natural gas in Brazil and abroad, for the primary purpose of supplying our domestic refineries. This segment also operates through partnerships with other companies and includes holding interests in foreign entities operating in this segment;
- *Refining, Transportation and Marketing:* this segment covers the activities of refining, logistics, transport and trading of crude oil and oil products in Brazil and abroad, exports of ethanol, petrochemical operations, such as extraction and processing of shale as well as holding interests in petrochemical companies in Brazil;
- *Gas and Power:* this segment covers the activities of logistics and trading of natural gas and electricity, transportation and trading of LNG (liquefied natural gas), generation of electricity by means of thermoelectric power plants, as well as holding interests in transporters and distributors of natural gas in Brazil and abroad. It also includes fertilizer operations;
- *Distribution:* this segment covers the activities of Petrobras Distribuidora S.A., which sells oil products, including gasoline and diesel, ethanol and vehicle natural gas in Brazil. This segment also includes distribution of oil products operations abroad (South America). Following the sale by Petrobras of its common shares in Petrobras Distribuidora S.A. in July 2019, Petrobras owns a 37.5% interest in Petrobras Distribuidora S.A.; and

- *Biofuel*: this segment covers the activities of production of biodiesel and its co-products, as well as ethanol-related activities through interest in entities producing and trading ethanol, sugar and surplus electric power generated from sugarcane bagasse.

Additionally, we have a *Corporate* segment that has activities that are not attributed to the other segments, notably those related to corporate financial management, corporate overhead and other expenses provision for the class action settlement and actuarial expenses related to the pension and medical benefits for retired employees and their dependents. For further information regarding our business segments, see Notes 4.2 and 30 to our audited consolidated financial statements for the year ended December 31, 2018, incorporated herein by reference to the 2018 Form 20-F.

Petrobras's principal executive office is located at Avenida República do Chile, 65, 20031-912 - Rio de Janeiro RJ, Brazil, its telephone number is +55 (21) 3224-4477, and our website is www.petrobras.com.br. The information on our website, which might be accessible through a hyperlink resulting from this URL, is not and shall not be deemed to be incorporated into this Listing Memorandum.

THE NOTES

Issuer	Petrobras Global Finance B.V., or “PGF.”
Issuer LEI	549300FNENFFSMO3GT38
The Notes.....	U.S. \$4,115,281,000 aggregate principal amount of 5.093% Global Notes due 2030, or the “Notes.”
Issue Date	September 18, 2019.
Maturity Date	January 15, 2030.
Interest	The Notes will bear interest from September 18, 2019, the date of original issuance of such notes, or from the most recent interest payment date on such notes, at the rate of 5.093% per annum, payable semi-annually in arrears on each interest payment date.
Interest Payment Dates	January 15 and July 15 of each year, commencing on January 15, 2020.
Form and Denominations	<p>The Notes issued in the United States in reliance on Rule 144A are evidenced by a note in global form called a restricted global note, which were deposited with a custodian for, and registered in the name of a nominee of, DTC. The Notes issued outside the United States in reliance on Regulation S are evidenced by a separate note in global form called a Regulation S note, which also were deposited with a custodian for, and registered in the name of a nominee of, DTC. Transfers of beneficial interests between the restricted global note and the Regulation S global note are subject to certification requirements.</p> <p>The Notes were issued only in denominations of U.S.\$2,000 and integral multiples of U.S.\$1,000 in excess thereof.</p>
Trustee, Registrar and Paying Agent.....	The Bank of New York Mellon.
Luxembourg Paying Agent and Listing Agent.....	The Bank of New York Mellon SA/NV, Luxembourg Branch
Codes	
(a) CUSIP.....	Restricted Global Note: 71647N BF5 Regulation S Global Note: N6945A AL1
(b) ISIN	Restricted Global Note: US71647NBF50 Regulation S Global Note: USN6945AAL19
(c) Common Codes	Restricted Global Note: 205653902 Regulation S Global Note: 205518975
Use of Proceeds	PGF received no cash proceeds from the Exchange Offers.

Indenture..... The Notes were issued pursuant to an indenture among PGF, Petrobras, The Bank of New York Mellon, a New York banking corporation, as trustee (the “Trustee”), and The Bank of New York Mellon SA/NV, Luxembourg Branch, as Luxembourg paying agent, dated as of September 18, 2019.

See “Description of the Notes.”

Guaranty The Notes are unconditionally guaranteed by Petrobras under the guaranty. See “Description of the Guaranty.”

Ranking The Notes constitute general senior unsecured and unsubordinated obligations of PGF that will at all times rank *pari passu* among themselves and with all other unsecured unsubordinated indebtedness issued from time to time by PGF.

The obligations of Petrobras under the guaranty constitute general senior unsecured obligations of Petrobras that will at all times rank *pari passu* among themselves and with all other senior unsecured obligations of Petrobras that are not, by their terms, expressly subordinated in right of payment to Petrobras’s obligations under the guaranty.

Optional Redemption..... PGF may redeem the Notes at any time in whole or in part by paying the greater of the principal amount of the Notes and the “make-whole” amount, plus, in each case, accrued interest, as described under “Description of the Notes—Optional Redemption— Optional Redemption With ‘Make-Whole’ Amount for the Notes.”

Early Redemption at PGF’s Option Solely for Tax Reasons The Notes are redeemable in whole at their principal amount, plus accrued and unpaid interest, if any, to but excluding the relevant date of redemption, at PGF’s option at any time only in the event of certain changes affecting taxation. See “Description of the Notes—Optional Redemption—Redemption for Taxation Reasons.”

Registration Rights..... Pursuant to a registration rights agreement entered into by PGF and Petrobras with certain financial institutions named therein on September 18, 2019 (the “Registration Rights Agreement”), PGF and Petrobras agreed to use their respective commercially reasonable efforts to (a) file with the SEC a registration statement (an “Exchange Offer Registration Statement”) on an appropriate form under the Securities Act, with respect to its offer to exchange the Notes for an equal principal amount of notes with substantially identical terms (the “A/B Exchange Notes”) (subject to certain exceptions) (the “A/B Exchange Offer”) on or before July 31, 2020, (b) have the Exchange Offer Registration Statement declared effective by the SEC on or before August 31, 2020, and (c) consummate the A/B Exchange Offer on or before September 30, 2020.

In the event that applicable law, regulation or policy of the SEC does not allow the consummation of the A/B Exchange Offer, or upon the occurrence of certain other conditions, PGF will use its commercially reasonable efforts to file with the SEC a new “shelf” registration statement, or supplement an existing “shelf” registration statement to the extent necessary, covering resales of the Notes by the holders thereof; *provided* that PGF shall not be required to file a new “shelf” registration statement or supplement an existing “shelf” registration statement during any statutory or self-imposed blackout or quiet period. With respect to the Notes, if a Registration Default (as defined herein) relating to the filing or declaration of effectiveness of a registration statement or the related A/B Exchange Offer occurs, the per annum interest rate on all outstanding Notes or, in the case of all other Registration Defaults, the per annum interest rate on the Notes to which such Registration Default relates, will increase by 0.25% per annum with respect to each 90-day period that passes until all such Registration Defaults have been cured, up to a maximum amount of 1.00% per annum over the interest rate shown on the cover page of this Listing Memorandum; *provided* that any such additional interest on the Notes will cease to accrue on the later of the date on which such Notes become freely transferable pursuant to Rule 144 under the Securities Act.

See “Registration Rights.”

Covenants

(a) PGF.....

The terms of the indenture require PGF, among other things, to:

- pay all amounts owed by it under the indenture and the Notes when such amounts are due;
- maintain an office or agent in New York for the purpose of service of process and maintain a paying agent located in the United States;
- ensure that the Notes continue to be senior obligations of PGF;
- use proceeds from the issuance of the Notes for specified purposes; and
- replace the Trustee upon any resignation or removal of the Trustee.

In addition, the terms of the indenture will restrict the ability of PGF and its subsidiaries, among other things, to:

- undertake certain mergers, consolidations or similar transactions; and
- create certain liens on its assets or pledge its assets.

PGF’s covenants are subject to a number of important qualifications and exceptions. See “Description of the Notes—Covenants.”

(b) Petrobras..... The terms of the guaranty require Petrobras, among other things, to:

- pay all amounts owed by it in accordance with the terms of the guaranty and the indenture;
- maintain an office or agent in New York for the purpose of service of process;
- ensure that its obligations under the guaranty will continue to be senior obligations of Petrobras; and
- make available certain financial statements to the Trustee.

In addition, the terms of the guaranty will restrict the ability of Petrobras and its subsidiaries, among other things, to:

- undertake certain mergers, consolidations or similar transactions; and
- create certain liens on its assets or pledge its assets.

Petrobras's covenants are subject to a number of important qualifications and exceptions. See "Description of the Guaranty—Covenants."

Events of Default The following events of default are events of default with respect to the Notes:

- failure to pay principal on the Notes within seven calendar days of its due date;
- failure to pay interest on the Notes within 30 calendar days of any interest payment date;
- breach by PGF of a covenant or agreement in the indenture or by Petrobras of a covenant or agreement in the guaranty for the Notes if not remedied within 60 calendar days;
- acceleration of a payment on the indebtedness of PGF or Petrobras or any material subsidiary that equals or exceeds U.S.\$200 million;
- certain events of bankruptcy, reorganization, liquidation, insolvency, moratorium or intervention law or law with similar effect of PGF or Petrobras or any material subsidiary;
- certain events relating to the unenforceability of the Notes, the indenture or the guaranty for the Notes against PGF or Petrobras; and
- Petrobras ceasing to own at least 51% of PGF's outstanding voting shares.

The events of default are subject to a number of important qualifications and limitations. See "Description of the Notes—Events of Default."

Further Issuances PGF reserves the right, from time to time, without the consent of the holders of the Notes, to issue additional Notes on terms and conditions

identical to those of the Notes, which additional Notes shall increase the aggregate principal amount of, and shall be consolidated and form a single series with, the Notes offered hereby. Any additional Notes shall be issued under a separate CUSIP or ISIN number unless the additional Notes are issued pursuant to a “qualified reopening” of the original series, are otherwise treated as part of the same “issue” of debt instruments as the original series or are issued with no more than a *de minimis* amount of original discount, in each case for U.S. federal income tax purposes. PGF may also issue other securities under the indenture which have different terms and conditions from the Notes. See “Description of the Notes—Further Issuances.”

Modification of Notes, Indenture and Guaranty

The terms of the indenture may be modified by PGF and the Trustee, and the terms of the guaranty may be modified by Petrobras and the Trustee, in some cases without the consent of the holders of the Notes. See “Description of the Notes—Modification and Waiver” and “Description of the Guaranty—Amendments.”

Clearance and Settlement

The Notes were issued in book-entry form through the facilities of DTC for the accounts of its direct and indirect participants, including Clearstream Banking, *société anonyme*, and Euroclear S.A./N.V., as operator of the Euroclear System, and will trade in DTC’s Same-Day Funds Settlement System. Beneficial interests in Notes held in book-entry form are not entitled to receive physical delivery of certificated Notes except in certain limited circumstances. For a description of certain factors relating to clearance and settlement, see “Clearance and Settlement.”

Withholding Taxes; Additional Amounts.....

Any and all payments of principal, premium, if any, and interest in respect of the Notes will be made free and clear of, and without withholding or deduction for, any taxes, duties, assessments, levies, imposts or charges whatsoever imposed, levied, collected, withheld or assessed by Brazil, the jurisdiction of PGF’s incorporation (currently The Netherlands) or any other jurisdiction in which PGF appoints a paying agent under the indenture, or any political subdivision or any taxing authority thereof or therein, unless such withholding or deduction is required by law. If PGF is required by law to make such withholding or deduction, it will pay such additional amounts as are necessary to ensure that the holders receive the same amount as they would have received without such withholding or deduction, subject to certain exceptions. In the event Petrobras is obligated to make payments to the holders under the guaranty, Petrobras will pay such additional amounts as are necessary to ensure that the holders receive the same amount as they would have received without such withholding or deduction, subject to certain exceptions. See “Description of the Notes—Covenants—Additional Amounts.”

Governing Law

The indenture, the Notes, the guaranty, and the Registration Rights Agreement are governed by, and construed in accordance with, the laws of the State of New York.

- Listing**..... PGF has applied to have the Notes listed on the Official List of the Luxembourg Stock Exchange and trade on the EuroMTF Market of the Luxembourg Stock Exchange.
- Risk Factors** You should carefully consider the risk factors discussed beginning on page 23, the section entitled “Risk Factors” in Petrobras’s 2018 Form 20-F, which is incorporated by reference in this Listing Memorandum, and the other information included or incorporated by reference in this Listing Memorandum, before deciding to invest in the Notes.

RISK FACTORS

Our 2018 Form 20-F includes extensive risk factors relating to our operations, our compliance and control risks (including those related to material weaknesses in our internal control over financial reporting identified in prior years, the ongoing Lava Jato investigation and uncertainty relating to our methodology to estimate the incorrectly capitalized overpayments uncovered in the context of the Lava Jato investigation), our relationship with the Brazilian federal government, and to Brazil. You should carefully consider those risks and the risks described below, as well as the other information included or incorporated by reference in this Listing Memorandum before making a decision to invest in the Notes.

Risks Relating to the Notes

The market for the Notes may not be liquid.

The Notes are an issuance of new securities with no established trading market. We have applied to have the Notes approved for listing on the Official List of the Luxembourg Stock Exchange and for trading on the EuroMTF Market of the Luxembourg Stock Exchange. We can make no assurance as to the liquidity of or trading markets for the Notes offered by this Listing Memorandum. We cannot guarantee that holders of the Notes will be able to sell their Notes in the future. If a market for the Notes does not develop, holders of the Notes may not be able to resell the Notes for an extended period of time, if at all.

The Notes will be subject to transfer restrictions that could limit your ability to resell your Notes.

The Notes have not been registered under the Securities Act or any state securities laws and may not be sold within the United States or to, or for the account or benefit of, U.S. persons except pursuant to an exemption from, or in a transaction not subject to, the registration requirements of the Securities Act and applicable state securities laws. These exemptions include offers and sales that occur outside the United States in compliance with Regulation S and in accordance with any applicable securities laws of any other jurisdiction and sales to qualified institutional buyers, as defined under Rule 144A. Consequently, a holder of Notes may bear the economic risk of its investment in the Notes for the term of the Notes. For a discussion of certain restrictions on resale and transfer, see “Transfer Restrictions.”

Pursuant to the terms of the Registration Rights Agreement, we intend to file a registration statement with the SEC and to cause that registration statement to become effective with respect to the exchange notes to be issued in exchange for the Notes offered hereby. The SEC, however, has broad discretion to declare any registration statement effective and may delay or deny the effectiveness of any registration statement for a variety of reasons. See “Registration Rights.”

Restrictions on the movement of capital out of Brazil may impair your ability to receive payments on the guaranty and restrict Petrobras’s ability to make payments to PGF in U.S. dollars.

In the past, the Brazilian economy has experienced balance of payment deficits and shortages in foreign exchange reserves, and the government has responded by restricting the ability of Brazilian or foreign persons or entities to convert *reais* into foreign currencies. The government may institute a restrictive exchange control policy in the future. Any restrictive exchange control policy could prevent or restrict our access to U.S. dollars, and consequently our ability to meet our U.S. dollar obligations under the guaranty and could also have a material adverse effect on our business, financial condition and results of operations. We cannot predict the impact of any such measures on the Brazilian economy. In the event that any such restrictive exchange control policies were instituted by the Brazilian government, we may face adverse regulatory consequences in The Netherlands that may lead us to redeem the Notes prior to their maturity.

In addition, payments by Petrobras under the guaranty in connection with PGF’s Notes do not currently require approval by or registration with the Central Bank of Brazil. The Central Bank of Brazil may nonetheless impose prior approval requirements on the remittance of U.S. dollars, which could cause delays in such payments.

Petrobras would be required to pay judgments of Brazilian courts enforcing its obligations under the guaranty only in reais.

If proceedings were brought in Brazil seeking to enforce Petrobras's obligations in respect of the guaranty, Petrobras would be required to discharge its obligations only in *reais*. Under Brazilian exchange controls, an obligation to pay amounts denominated in a currency other than *reais*, which is payable in Brazil pursuant to a decision of a Brazilian court, will be satisfied in *reais* at the rate of exchange in effect on the date of payment, as determined by the Central Bank of Brazil.

A finding that Petrobras is subject to U.S. bankruptcy laws and that the guaranty executed by it was a fraudulent conveyance could result in the relevant holders of Notes losing their legal claim against Petrobras.

PGF's obligation to make payments on the Notes is supported by Petrobras's obligation under the corresponding guaranty. Petrobras has been advised by its external U.S. counsel that the guaranty is valid and enforceable in accordance with the laws of the State of New York and the United States. In addition, Petrobras has been advised by its general counsel that the laws of Brazil do not prevent the guaranty from being valid, binding and enforceable against Petrobras in accordance with its terms.

In the event that U.S. federal fraudulent conveyance or similar laws are applied to the guaranty, and Petrobras, at the time it entered into the guaranty:

- was or is insolvent or rendered insolvent by reason of our entry into such guaranty;
- was or is engaged in business or transactions for which the assets remaining with Petrobras constituted unreasonably small capital; or
- intended to incur or incurred, or believed or believe that Petrobras would incur, debts beyond Petrobras's ability to pay such debts as they mature; and
- in each case, intended to receive or received less than reasonable equivalent value or fair consideration therefor,

then Petrobras's obligations under the guaranty could be avoided, or claims with respect to that agreement could be subordinated to the claims of other creditors. Among other things, a legal challenge to the guaranty on fraudulent conveyance grounds may focus on the benefits, if any, realized by Petrobras as a result of the issuance of the Notes. To the extent that the guaranty is held to be a fraudulent conveyance or unenforceable for any other reason, the holders of the Notes would not have a claim against Petrobras under the guaranty and would solely have a claim against PGF. Petrobras cannot ensure that, after providing for all prior claims, there will be sufficient assets to satisfy the claims of the noteholders relating to any avoided portion of the guaranty.

We cannot assure you that the credit ratings for the Notes will not be lowered, suspended or withdrawn by the rating agencies.

The credit ratings of the Notes may change after issuance. Such ratings are limited in scope, and do not address all material risks relating to an investment in the Notes, but rather reflect only the views of the rating agencies at the time the ratings are issued. An explanation of the significance of such ratings may be obtained from the rating agencies. We cannot assure you that such credit ratings will remain in effect for any given period of time or that such ratings will not be lowered, suspended or withdrawn entirely by the rating agencies, if, in the judgment of such rating agencies, circumstances so warrant. Any lowering, suspension or withdrawal of such ratings may have an adverse effect on the market price and marketability of the Notes.

Interest payments on the Notes may be subject to Dutch withholding taxes.

The Dutch government has confirmed that a withholding tax on interest payments made by Dutch issuers will be introduced commencing on January 1, 2021. It has been announced that the bill of law for the introduction of a withholding tax on interest payments will be published in the course of 2019. The official publications and announcements by the Dutch government to date suggest that the scope of such withholding tax will be limited to interest payments made to recipients that are cumulatively (i) affiliated to the person making such interest payments and (ii) a resident in a jurisdiction that is included in a list that will be updated periodically by the Ministry of Finance pursuant to the Ministry regulation of December 31, 2018 on the designation of low-taxed jurisdictions and

non-cooperative countries (*Regeling laagbelastende staten en niet-coöperatieve rechtsgebieden voor belastingdoeleinden*). It is expected that the withholding tax rules will also include anti-abuse provisions aimed at avoiding interest payments being made indirectly to these recipients.

We cannot provide any assurance on whether a wider application of the withholding tax will be introduced by the Dutch government, or if such withholding tax would apply to interest payments on the Notes. If PGF is required to withhold taxes on payments of interest on the Notes, PGF may be required to pay additional amounts to holders of the Notes to account for such withholding taxes. Subject to certain conditions, if PGF is required to pay such additional amounts to holders of the Notes, PGF would be permitted to redeem the Notes at par prior to their stated maturity. If the Notes are so redeemed, an investor may not be able to earn the same yield on the Notes through the maturity date as originally expected. See “Description of the Notes—Covenants—Additional Amounts,” and “Description of the Notes—Optional Redemption—Redemption for Taxation Reasons.”

Risks Relating to PGF and Petrobras

PGF’s operations and debt servicing capabilities are dependent on Petrobras.

PGF’s financial position and results of operations are directly affected by Petrobras’s decisions. PGF is an indirect, wholly-owned finance subsidiary of Petrobras incorporated in The Netherlands as a private company with limited liability. PGF does not currently have any operations, revenues or assets other than those related to its primary business of raising money for the purpose of on-lending to Petrobras and other subsidiaries of Petrobras. PGF’s ability to satisfy its obligations under the Notes will depend on payments made to PGF by Petrobras and other subsidiaries of Petrobras under the loans made by PGF. The Notes and all debt securities issued by PGF will be fully and unconditionally guaranteed by Petrobras. Petrobras’s financial condition and results of operations, as well as Petrobras’s financial support of PGF, directly affect PGF’s operational results and debt servicing capabilities.

USE OF PROCEEDS

We received no cash proceeds from the issuance of the Notes in connection with the Exchange Offers.

Statement of Income Data

	For the Six Months Ended June 30,		For the Year Ended December 31,				
	2019	2018 ⁽¹⁾	2018 ⁽²⁾	2017 ⁽³⁾	2016 ⁽⁴⁾	2015 ⁽⁵⁾	2014 ⁽⁶⁾
	(U.S.\$ million, except for share and per share data)						
Sales revenues	37,305	40,355	95,584	88,827	81,405	97,314	143,657
Net income (loss) before finance income (expense), results in equity-accounted investments and income taxes	13,476	9,931	17,432	11,219	4,308	(1,130)	(7,407)
Net income (loss) attributable to the shareholders of Petrobras	5,881	4,939	7,173	(91)	(4,838)	(8,450)	(7,367)
Weighted average number of shares outstanding::							
Common	7,442,231,382	7,442,454,142	7,442,454,142	7,442,454,142	7,442,454,142	7,442,454,142	7,442,454,142
Preferred	5,601,969,879	5,602,042,788	5,602,042,788	5,602,042,788	5,602,042,788	5,602,042,788	5,602,042,788
Net income (loss) before finance income (expense), results in equity-accounted investments and income taxes per:							
Common and Preferred shares	1.03	0.76	1.34	0.86	0.33	(0.09)	(0.57)
Common and Preferred ADS	2.06	1.52	2.68	1.72	0.66	(0.18)	(1.14)
Basic and diluted earnings (losses) per:							
Common and Preferred shares	0.45	0.38	0.55	(0.01)	(0.37)	(0.65)	(0.56)
Common and Preferred ADS	0.90	0.76	1.10	(0.02)	(0.74)	(1.30)	(1.12)

- (1) As of June 30, 2019, we classified the assets and liabilities of Petrobras Distribuidora (BR) as held for sale in the consolidated statement of financial position and presented its post-tax profit as discontinued operations in the consolidated statement of income. Accordingly, the statement of income for the six months ended June 30, 2018 was re-presented to reflect this classification. The statement of income for the years ended December 31, 2018, 2017, 2016, 2015 and 2014 have not been re-presented to reflect the partial sale of Petrobras Distribuidora S.A. (BR). In future filings with the SEC we may be required to re-present the statement of income data for all or some of those years to reflect such partial sale.
- (2) In 2018, we recognized the effects of the settlement of open matters with the Department of Justice and the SEC investigation, in the amount of U.S.\$853 million. We also recognized impairment losses of U.S.\$2,005 million.
- (3) In 2017, we recognized U.S.\$3,449 million as other income and expenses, due to the provision for legal proceedings relating to the agreement to settle our consolidated class action before the United States District Court for the Southern District of New York. We also recognized impairment losses of U.S.\$1,191 million.
- (4) In 2016, we recognized impairment losses of U.S.\$6,193 million.
- (5) In 2015, we recognized impairment losses of U.S.\$12,299 million.
- (6) In 2014, we recognized impairment losses of U.S.\$16,823 million.

Cash Dividend Data

	For the Six Months Ended June 30,		For the Year Ended December 31,				
	2019	2018	2018	2017	2016	2015	2014
	(U.S.\$ million)						
Cash dividends per ⁽¹⁾ :							
Common shares	0.07	0.03	0.07	—	—	—	—
Preferred shares	0.07	0.03	0.24	—	—	—	—
Common ADS	0.14	0.06	0.14	—	—	—	—
Preferred ADS	0.14	0.06	0.48	—	—	—	—

- (1) Pre-tax interest on capital and/or dividends proposed for the year. Amounts were based on the exchange rate prevailing at the date of the approval, except for the complement of minimum mandatory dividends, based on the closing exchange rate at the date of the financial statements.

DESCRIPTION OF THE NOTES

This section of this Listing Memorandum summarizes the material terms of the Notes and the indenture governing the Notes. It does not, however, describe all of the terms of the Notes and the indenture governing the Notes and is qualified in its entirety by reference to the provisions of the indenture and the Notes. We urge you to read the indenture in connection with the Notes, because it will define your rights as holders of the Notes. You may obtain copies of the indenture upon written request to the Trustee and, for so long as the Notes are admitted to listing on the Official List of the Luxembourg Stock Exchange and to trading on the EuroMTF Market of the Luxembourg Stock Exchange, at the office of the paying agent in Luxembourg.

The Indenture

PGF issued the Notes under an indenture dated as of September 18, 2019 among PGF, Petrobras, the Trustee, and The Bank of New York Mellon SA/NV, Luxembourg Branch, as Luxembourg paying agent, which provides the specific terms of the Notes, including granting holders rights against Petrobras under the guaranty.

The Notes

The Notes are general, senior, unsecured and unsubordinated obligations of PGF having the following basic terms:

The title of the Notes is 5.093% Global Notes due 2030;

The Notes:

- were issued in the aggregate principal amount of U.S.\$4,115,281,000;
- will mature on January 15, 2030;
- bear interest at a rate of 5.093% per annum from September 18, 2019, the date of issuance of the Notes, or from the most recent interest payment date on such Notes, until maturity or early redemption and until all required amounts due in respect of the Notes have been paid;
- were issued in global registered form without interest coupons attached;
- were issued and may be transferred only in principal amounts of U.S.\$2,000 and in integral multiples of U.S.\$1,000 in excess thereof;
- are unconditionally guaranteed by Petrobras pursuant to a guaranty described below under “— Guaranty;” and
- are payable at 100% of their principal amount plus accrued and unpaid interest and additional amounts at maturity.

All payments of principal and interest on the Notes are and will be paid in U.S. dollars;

Interest on the Notes are paid semi-annually on January 15 and July 15 of each year (each of which we refer to as an “interest payment date”), commencing on January 15, 2020 and the regular record date for any interest payment date is the business day preceding that date;

As described under “Registration Rights,” PGF agreed to use its commercially reasonable efforts to file with the SEC a registration statement under the Securities Act, with respect to its offer to exchange the Notes for an equal principal amount of notes with substantially identical terms. If the exchange offer is not consummated, or if a registration statement is not available for resales of the Notes, within the time periods described under “Registration Rights,” additional interest will accrue and be payable on the Notes; and

In the case of amounts not paid by PGF under the indenture and the Notes (or Petrobras under the guaranty for the Notes), interest will continue to accrue on such amounts at a default rate equal to 0.5% in excess of the interest rate on the Notes, from and including the date when such amounts were due and owing and through and excluding the date of payment of such amounts by PGF or Petrobras.

All money paid by PGF or Petrobras to the trustee or any paying agent for principal and interest on the Notes, which remains unclaimed at the end of two years after the amount is due to a holder, will, subject to any relevant unclaimed property laws or regulations, be repaid to PGF or Petrobras upon written request thereof, and thereafter holders of Notes in certificated form may look only to PGF or Petrobras for payment.

Despite the Brazilian government's ownership interest in Petrobras, the Brazilian government is not responsible in any manner for PGF's obligations under the Notes or Petrobras's obligations under the guaranty for the Notes.

Guaranty

Petrobras unconditionally and irrevocably guarantees the full and punctual payment when due, whether at the maturity date of the Notes, or earlier or later by acceleration or otherwise, of all of PGF's obligations now or hereafter existing under the indenture and the Notes, whether for principal, interest, make-whole premium, fees, indemnities, costs, expenses or otherwise. The guaranty is unsecured and ranks equally with all of Petrobras's other existing and future unsecured and unsubordinated debt including guaranty previously issued by Petrobras in connection with prior issuances of indebtedness. See "Description of the Guaranty."

Depository with Respect to Global Notes

The Notes were issued in global registered form with The Depository Trust Company ("DTC") as depository. For further information in this regard, see "Clearance and Settlement."

Events of Default

The following events are events of default with respect to the Notes:

- PGF does not pay the principal on the Notes within seven calendar days of its due date and the Trustee has not received such amounts from Petrobras under the guaranty by the end of that seven-day period.
- PGF does not pay interest or other amounts, including any additional amounts, on the Notes of such series within 30 calendar days of their due date and the Trustee has not received such amounts from Petrobras under the guaranty by the end of that 30-day period.
- PGF or Petrobras remains in breach of any covenant or any other term in respect of the Notes issued under the indenture or guaranty for 60 calendar days after receiving a notice of default stating that it is in breach. The notice must be sent by either the Trustee or holders of 25% of the principal amount of the Notes.
- The maturity of any indebtedness of PGF or Petrobras or a material subsidiary in a total aggregate principal amount of U.S.\$200,000,000 (or its equivalent in another currency) or more is accelerated in accordance with the terms of that indebtedness, it being understood that prepayment or redemption by us or a material subsidiary of any indebtedness is not acceleration for this purpose.
- PGF or Petrobras or any material subsidiary stops paying or is generally unable to pay its debts as they become due, except in the case of a winding-up, dissolution or liquidation for the purpose of and followed by a consolidation, spin-off, merger, conveyance or transfer duly approved by the note holders.
- If proceedings are initiated against PGF, Petrobras or any material subsidiary under any applicable bankruptcy, reorganization, insolvency, moratorium or intervention law or law with similar effect, or

under any other law for the relief of, or relating to, debtors, and such proceeding is not dismissed or stayed within 90 calendar days.

- An administrative or other receiver, manager or administrator, or any such or other similar official is appointed in relation to, or a distress, execution, attachment, sequestration or other process is levied or put in force against, the whole or a substantial part of the undertakings or assets of PGF or Petrobras or any material subsidiary and is not discharged or removed within 90 calendar days.
- PGF or Petrobras or any material subsidiary voluntarily commences or consents to proceedings under any applicable liquidation, bankruptcy, reorganization, insolvency, moratorium or any other similar laws, PGF or Petrobras or any material subsidiary enters into any composition or other similar arrangement with our creditors under applicable Brazilian law (such as a *recuperação judicial or extrajudicial*, which is a type of liquidation agreement).
- PGF or Petrobras or any material subsidiary files an application for the appointment of an administrative or other receiver, manager or administrator, or any such or other similar official, in relation to PGF or Petrobras or any material subsidiary, or PGF or Petrobras or any material subsidiary takes legal action for a readjustment or deferment of any part of its indebtedness.
- An effective resolution is passed, or any authorized action is taken by any court of competent jurisdiction, directing PGF or Petrobras or any material subsidiary's winding-up, dissolution or liquidation, except for the purpose of and followed by a consolidation, merger, conveyance or transfer duly approved by the note holders.
- Any event occurs that under the laws of any relevant jurisdiction has substantially the same effect as the events referred to in the six immediately preceding paragraphs.
- The Notes, the indenture, the guaranty or any part of those documents cease to be in full force and effect or binding and enforceable against PGF or Petrobras, or it becomes unlawful for PGF or Petrobras to perform any material obligation under any of the foregoing documents to which it is a party.
- PGF or Petrobras contests the enforceability of the Notes, the indenture or the guaranty, or denies that it has liability under any of the foregoing documents to which it is a party.
- Petrobras fails to retain at least 51% direct or indirect ownership of the outstanding voting and economic interests (equity or otherwise) of and in PGF.

For purposes of the events of default:

- "indebtedness" means any obligation (whether present or future, actual or contingent and including any guaranty) for the payment or repayment of money which has been borrowed or raised (including money raised by acceptances and all leases which, under IFRS, would be a capital lease obligation).
- "material subsidiary" means, as to any person, any subsidiary of such person which, on any given date of determination accounts for more than 15% of such person's total consolidated assets (as set forth on such person's most recent consolidated financial statements prepared in accordance with IFRS).

Covenants

PGF is subject to the following covenants with respect to the Notes:

Payment of Principal and Interest

PGF shall duly and punctually pay the principal of and any premium and interest and other amounts (including any additional amounts in the event withholding and other taxes are imposed in Brazil or the jurisdiction of incorporation of PGF) on the Notes in accordance with the Notes and the indenture.

Maintenance of Corporate Existence

PGF shall maintain its corporate existence and take all reasonable actions to maintain all rights, privileges and the like necessary or desirable in the normal conduct of business, activities or operations, unless PGF's board of directors determines that maintaining such rights and privileges is no longer desirable in the conduct of PGF's business and is not disadvantageous in any material respect to holders.

Maintenance of Office or Agency

So long as the Notes are outstanding, PGF shall maintain an office or agency in the United States where notices to and demands upon it in respect of the indenture and the Notes may be served. PGF has initially appointed Petrobras America Inc., with offices located at 10350 Richmond Ave., Suite 1400, Houston, TX 77042, as its agent. PGF shall not change the appointment of the agent without prior written notice to the Trustee and appointing a replacement agent or designating an office, in the United States.

Ranking

PGF shall ensure that the Notes constitute, and will at all times constitute its general senior, unsecured and unsubordinated obligations and will rank *pari passu*, without any preferences among themselves, with all of its other present and future unsecured and unsubordinated obligations (other than obligations preferred by statute or by operation of law).

Statement by Managing Directors as to Default

PGF shall deliver to the Trustee, within 90 calendar days after the end of its fiscal year, a directors' certificate, stating whether or not to the best knowledge of its signers thereof there is an event of default in connection with the performance and observance of any of the terms, provisions and conditions of the indenture or the Notes and, if there is such an event of default by PGF, specifying all such events of default and their nature and status of which the signers may have knowledge.

Provision of Financial Statements and Reports

In the event that PGF files any financial statements or reports with the SEC or publishes or otherwise makes such statements or reports publicly available in The Netherlands, the United States or elsewhere, PGF will furnish a copy of the statements or reports to the Trustee within 15 calendar days of the date of filing or the date the information is published or otherwise made publicly available. As long as the financial statements or reports are publicly available and accessible electronically by the Trustee, the filing or electronic publication of such financial statements or reports will comply with PGF's obligation to deliver such statements and reports to the Trustee. PGF will provide to the Trustee with prompt written notification at such time that PGF becomes or ceases to be a reporting company. The Trustee has no obligation to determine if and when PGF's financial statements or reports, if any, are publicly available and accessible electronically.

Along with each such financial statement or report, if any, PGF will provide a directors' certificate stating (i) that a review of PGF's activities has been made during the period covered by such financial statements with a view to determining whether PGF has kept, observed, performed and fulfilled its covenants and agreements under the indenture; and (ii) that no event of default, has occurred during that period or, if one or more have actually occurred, specifying all those events and what actions have been taken and will be taken with respect to that event of default.

Delivery of these reports, information and documents to the Trustee is for informational purposes only and the Trustee's receipt of any of those will not constitute constructive notice of any information contained in them or

determinable from information contained in them, including PGF's compliance with any of its covenants under the indenture (as to which the Trustee is entitled to rely exclusively on directors' certificates).

Appointment to Fill a Vacancy in Office of Trustee

PGF, whenever necessary to avoid or fill a vacancy in the office of trustee, will appoint a successor trustee in the manner provided in the indenture so that there will at all times be a trustee with respect to the Notes.

Payments and Paying Agents

PGF will, prior to 3:00 p.m., New York City time, on the business day preceding any payment date of the principal of or interest on the Notes or other amounts (including additional amounts), deposit with the Trustee a sum sufficient to pay such principal, interest or other amounts (including additional amounts) so becoming due.

For long as the Notes are listed on the Official List of the Luxembourg Stock Exchange and trade on the EuroMTF Market of the Luxembourg Stock Exchange, PGF will also maintain a paying agent in Luxembourg.

All payments on the Notes are subject in all cases to any applicable tax, fiscal or other laws and regulations in any jurisdictions, but without prejudice to the provisions of "—Additional Amounts." For the purposes of the preceding sentence, the phrase "applicable tax, fiscal or other laws and regulations" will include any obligation on us to withhold or deduct from a payment pursuant to Section 1471(b) of the Internal Revenue Code of 1986, as amended (the "Code"), or otherwise imposed pursuant to Sections 1471 through 1474 of the Code, any regulations thereunder or official interpretations thereof or any law implementing an intergovernmental approach thereto (collectively, "FATCA").

Additional Amounts

Except as provided below, PGF or Petrobras, as applicable, will make all payments of amounts due under the Notes and the indenture and each other document entered into in connection with the Notes and the indenture without withholding or deducting any present or future taxes, levies, deductions or other governmental charges of any nature imposed by Brazil, the jurisdiction of PGF's incorporation (currently The Netherlands) or any jurisdiction in which PGF appoints a paying agent under the indenture, or any political subdivision of such jurisdictions (the "taxing jurisdictions"). If PGF or Petrobras, as applicable, is required by law to withhold or deduct any taxes, levies, deductions or other governmental charges, PGF or Petrobras, as applicable, will make such deduction or withholding, make payment of the amount so withheld to the appropriate governmental authority and pay the holders any additional amounts necessary to ensure that they receive the same amount as they would have received without such withholding or deduction. For the avoidance of doubt, the foregoing obligations shall extend to payments under the guaranty.

All references to principal, premium, if any, and interest in respect of the Notes are deemed to refer to any additional amounts which may be payable as set forth in the indenture or in the Notes.

PGF or Petrobras, as applicable, will not, however, pay any additional amounts in connection with any tax, levy, deduction or other governmental charge that is imposed due to any of the following ("excluded additional amounts"):

- the holder has a connection with the taxing jurisdiction other than merely holding the Notes or receiving principal or interest payments on the Notes (such as citizenship, nationality, residence, domicile, or existence of a business, a permanent establishment, a dependent agent, a place of business or a place of management, present or deemed present within the taxing jurisdiction);
- any tax imposed on, or measured by, net income;
- the holder fails to comply with any certification, identification or other reporting requirements concerning its nationality, residence, identity or connection with the taxing jurisdiction, if (i) such compliance is required by applicable law, regulation, administrative practice or treaty as a precondition

to exemption from all or a part of the tax, levy, deduction or other governmental charge, (ii) the holder is able to comply with such requirements without undue hardship and (iii) at least 30 calendar days prior to the first payment date with respect to which such requirements under the applicable law, regulation, administrative practice or treaty will apply, PGF or Petrobras, as applicable, has notified all holders or the Trustee that they will be required to comply with such requirements;

- the holder fails to present (where presentation is required) its Notes within 30 calendar days after PGF has made available to the holder a payment under the Notes and the indenture, *provided that* PGF or Petrobras, as applicable, will pay additional amounts which a holder would have been entitled to, had the Notes owned by such holder been presented on any day (including the last day) within such 30 calendar day period;
- any estate, inheritance, gift, value added, Financial Transactions Tax (“FTT”), use or sales taxes or any similar taxes, assessments or other governmental charges; or
- where the holder would have been able to avoid the tax, levy, deduction or other governmental charge by taking reasonable measures available to such holder.

PGF shall promptly pay when due any present or future stamp, court or documentary taxes or any other excise or property taxes, charges or similar levies that are imposed by a taxing jurisdiction from any payment under the Notes or under any other document or instrument referred to in the indenture or from the execution, delivery, enforcement or registration of the Notes or any other document or instrument referred to in the indenture. PGF shall indemnify and make whole the holders of the Notes for any present or future stamp, court or documentary taxes or any other excise or property taxes, charges or similar levies payable by PGF as provided in this paragraph paid by such holder. As provided in “—Payments and Paying Agents,” all payments in respect of the Notes shall be made subject to any withholding or deduction required pursuant to FATCA, and we will not be required to pay any additional amounts on account of any such deduction or withholding required pursuant to FATCA.

Negative Pledge

So long as the Notes remain outstanding, PGF will not create or permit any lien, other than a PGF permitted lien, on any of its assets to secure (i) any of its indebtedness or (ii) the indebtedness of any other person, unless PGF contemporaneously creates or permits such lien to secure equally and ratably its obligations under the Notes as is duly approved by a resolution of the holders of the Notes in accordance with the indenture. In addition, PGF will not allow any of its material subsidiaries, if any, to create or permit any lien, other than a PGF permitted lien, on any of its assets to secure (i) any of its indebtedness; (ii) any of the material subsidiary’s indebtedness or (iii) the indebtedness of any other person, unless it contemporaneously creates or permits the lien to secure equally and ratably its obligations under the Notes and the indenture or PGF provides such other security for the Notes and the indenture as is duly approved by a resolution of the holders of the Notes in accordance with the indenture. This covenant is subject to a number of important exceptions, including an exception that permits PGF to grant liens in respect of indebtedness the principal amount of which, in the aggregate, together with all other liens not otherwise described in a specific exception, does not exceed 20% of PGF’s consolidated total assets (as determined in accordance with IFRS) at any time as at which PGF’s balance sheet is prepared and published in accordance with applicable law.

Limitation on Consolidation, Merger, Sale or Conveyance

PGF will not, in one or a series of transactions, consolidate or amalgamate with or merge into any corporation or convey, lease, spin-off or transfer substantially all of its properties, assets or revenues to any person or entity (other than a direct or indirect subsidiary of Petrobras) or permit any person (other than a direct or indirect subsidiary of PGF) to merge with or into it unless such consolidation, amalgamation, merger, lease, spin-off or transfer of properties, assets or revenues does not violate any provision of Dutch financial regulatory laws and:

- either PGF is the continuing entity or the person (the “successor company”) formed by the consolidation or into which PGF is merged or that acquired (through a transfer of assets, a spin-off or otherwise) or leased the property or assets of PGF will assume (jointly and severally with PGF unless PGF will have

ceased to exist as a result of that merger, consolidation or amalgamation), by a supplemental indenture, all of PGF's obligations under the indenture and the Notes;

- the successor company (jointly and severally with PGF unless PGF will have ceased to exist as part of the merger, consolidation or amalgamation) agrees to indemnify each holder against any tax, assessment or governmental charge thereafter imposed on the holder solely as a consequence of the consolidation, merger, conveyance, spin-off, transfer or lease with respect to the payment of principal of, or interest on, the Notes;
- immediately after giving effect to the transaction, no event of default, and no default has occurred and is continuing;
- PGF has delivered to the Trustee a directors' certificate and an opinion of counsel, each stating that the transaction, and the supplemental indenture relating to the transaction, comply with the terms of the indenture, and that all conditions precedent provided for in the indenture and relating to the transaction have been complied with; and
- PGF has delivered notice of any such transaction to the Trustee.

Notwithstanding anything to the contrary in the foregoing, so long as no default or event of default under the indenture or the Notes has, or will have, occurred and be continuing at the time of the proposed transaction or would result from the transaction:

- PGF may merge, amalgamate or consolidate with or into, or convey, transfer, spin-off, lease or otherwise dispose of all or substantially all of its properties, assets or revenues to a direct or indirect subsidiary of PGF or Petrobras in cases when PGF is the surviving entity in the transaction and the transaction would not have a material adverse effect on PGF and its subsidiaries taken as a whole, it being understood that if PGF is not the surviving entity, PGF will be required to comply with the requirements set forth in the previous paragraph; or
- any direct or indirect subsidiary of PGF may merge or consolidate with or into, or convey, transfer, spin-off, lease or otherwise dispose of assets to, any person (other than PGF or any of its subsidiaries or affiliates) in cases when the transaction would not have a material adverse effect on PGF and its subsidiaries taken as a whole; or
- any direct or indirect subsidiary of PGF may merge or consolidate with or into, or convey, transfer, spin-off, lease or otherwise dispose of assets to, any other direct or indirect subsidiary of PGF or Petrobras; or
- any direct or indirect subsidiary of PGF may liquidate or dissolve if PGF determines in good faith that the liquidation or dissolution is in the best interests of Petrobras, and would not result in a material adverse effect on PGF and its subsidiaries taken as a whole and if the liquidation or dissolution is part of a corporate reorganization of PGF or Petrobras.

PGF may omit to comply with any term, provision or condition set forth in certain covenants applicable to the Notes or any term, provision or condition of the indenture, if before the time for the compliance the holders of at least a majority of the principal amount of the outstanding Notes waive the compliance, but no waiver can operate except to the extent expressly waived, and, until a waiver becomes effective, PGF's obligations and the duties of the Trustee in respect of any such term, provision or condition will remain in full force and effect.

As used above, the following terms have the meanings set forth below:

"indebtedness" means any obligation (whether present or future, actual or contingent and including any guaranty) for the payment or repayment of money which has been borrowed or raised (including money raised by acceptances and all leases which, under IFRS, would be a capital lease obligation).

A “guaranty” means an obligation of a person to pay the indebtedness of another person including, without limitation:

- an obligation to pay or purchase such indebtedness;
- an obligation to lend money or to purchase or subscribe for shares or other securities or to purchase assets or services in order to provide funds for the payment of such indebtedness;
- an indemnity against the consequences of a default in the payment of such indebtedness; or
- any other agreement to be responsible for such indebtedness.

A “lien” means any mortgage, pledge, lien, hypothecation, security interest or other charge or encumbrance on any property or asset including, without limitation, any equivalent created or arising under applicable law.

A “PGF permitted lien” means any:

- (a) lien arising by operation of law, such as merchants’, maritime or other similar liens arising in PGF’s ordinary course of business or that of any subsidiary or lien in respect of taxes, assessments or other governmental charges that are not yet delinquent or that are being contested in good faith by appropriate proceedings;
- (b) lien arising from PGF’s obligations under performance bonds or surety bonds and appeal bonds or similar obligations incurred in the ordinary course of business and consistent with PGF’s past practice;
- (c) lien arising in the ordinary course of business in connection with indebtedness maturing not more than one year after the date on which that indebtedness was originally incurred and which is related to the financing of export, import or other trade transactions;
- (d) lien granted upon or with respect to any assets hereafter acquired by PGF or any subsidiary to secure the acquisition costs of those assets or to secure indebtedness incurred solely for the purpose of financing the acquisition of those assets, including any lien existing at the time of the acquisition of those assets, so long as the maximum amount so secured does not exceed the aggregate acquisition costs of all such assets or the aggregate indebtedness incurred solely for the acquisition of those assets, as the case may be;
- (e) lien granted in connection with indebtedness of a wholly-owned subsidiary owing to PGF or another wholly-owned subsidiary;
- (f) lien existing on any asset or on any stock of any subsidiary prior to the acquisition thereof by PGF or any subsidiary, so long as the lien is not created in anticipation of that acquisition;
- (g) lien existing as of the date of the original issuance of the Notes;
- (h) lien resulting from the indenture or the guaranty, if any;
- (i) lien incurred in connection with the issuance of debt or similar securities of a type comparable to those already issued by PGF, on amounts of cash or cash equivalents on deposit in any reserve or similar account to pay interest on those securities for a period of up to 24 months as required by any rating agency as a condition to the rating agency rating those securities as investment grade;
- (j) lien granted or incurred to secure any extension, renewal, refinancing, refunding or exchange (or successive extensions, renewals, refinancings, refundings or exchanges), in whole or in part, of or for any indebtedness secured by liens referred to in paragraphs (a) through (i) above (but not paragraph (c)), so long as the lien does not extend to any other property, the principal amount of the indebtedness secured

by the lien is not increased, and in the case of paragraphs (a), (b) and (f), the obligees meet the requirements of the applicable paragraph; and

- (k) lien in respect of indebtedness the principal amount of which in the aggregate, together with all other liens not otherwise qualifying as PGF permitted liens pursuant to another part of this definition of PGF permitted liens, does not exceed 20% of PGF's consolidated total assets (as determined in accordance with IFRS) at any date as at which PGF's balance sheet is prepared and published in accordance with applicable law.

A "wholly-owned subsidiary" means, with respect to any corporate entity, any person of which 100% of the outstanding capital stock (other than qualifying shares, if any) having by its terms ordinary voting power (not dependent on the happening of a contingency) to elect the board of directors (or equivalent controlling governing body) of that person, is at the time owned or controlled directly or indirectly by that corporate entity, by one or more wholly-owned subsidiaries of that corporate entity or by that corporate entity and one or more wholly-owned subsidiaries.

Notices

For so long as Notes in global form are outstanding, notices to be given to holders will be given to the Trustee in accordance with its applicable policies in effect from time to time. If Notes are issued in individual definitive form, notices to be given to holders will be deemed to have been given upon the mailing by first class mail of such notices to holders of the Notes at their registered addresses as they appear in the registrar's records.

From and after the date the Notes are admitted to listing on the Official List of the Luxembourg Stock Exchange and to trading on the EuroMTF Market of the Luxembourg Stock Exchange and so long as it is required by the rules of such exchange, all notices to holders of Notes will be published in English:

- (1) in a leading newspaper having a general circulation in Luxembourg (which is expected to be the *Luxemburger Wort*);
- (2) if such Luxembourg publication is not practicable, in one other leading English language newspaper being published on each day in morning editions, whether or not it shall be published in Saturday, Sunday or holiday editions; or
- (3) on the website of the Luxembourg Stock Exchange, *www.bourse.lu*.

Notices shall be deemed to have been given on the date of publication as aforesaid or, if published on different dates, on the date of the first such publication. In addition, notices shall be mailed to holders of Notes at their registered addresses.

Optional Redemption

PGF is not permitted to redeem the Notes before their stated maturity, except as set forth below. The Notes are not entitled to the benefit of any sinking fund (we will not deposit money on a regular basis into any separate account to repay your Notes). In addition, you will not be entitled to require us to repurchase your Notes from you before the stated maturity.

On and after the redemption date, interest will cease to accrue on the Notes or any portion of the Notes called for redemption (unless we default in the payment of the redemption price and accrued and unpaid interest). On or before the business day prior to any redemption date, we will deposit with the Trustee money sufficient to pay the redemption price of and (unless the redemption date shall be an interest payment date) accrued and unpaid interest to the redemption date on the Notes to be redeemed on such date. If less than all of the Notes are to be redeemed, the Notes to be redeemed shall be selected by the Trustee by such method as set forth in the indenture.

Optional Redemption With “Make-Whole” Amount for the Notes

PGF will have the right at our option to redeem the Notes, in whole or in part, at any time or from time to time prior to their maturity, on at least 15 days’ but not more than 60 days’ notice, at a redemption price equal to the greater of (i) 100% of the principal amount of such Notes and (ii) the sum of the present values of each remaining scheduled payment of principal and interest thereon (exclusive of interest accrued to the date of redemption) discounted to the redemption date on a semiannual basis (assuming a 360-day year consisting of twelve 30-day months) at the Treasury Rate *plus* 50 basis points, with respect to the Notes, *plus* in each case accrued and unpaid interest on the principal amount of such Notes to the date of redemption. The redemption notice may at PGF’s option be subject to the satisfaction of one or more conditions precedent, and such notice may be rescinded or the redemption date delayed in the event that any or all such conditions shall not have been satisfied by the redemption date.

“Treasury Rate” means, with respect to any redemption date, the rate per annum equal to the semiannual equivalent yield to maturity or interpolated maturity (on a day count basis) of the Comparable Treasury Issue, assuming a price for the Comparable Treasury Issue (expressed as a percentage of its principal amount) equal to the Comparable Treasury Price for such redemption date.

“Comparable Treasury Issue” means the United States Treasury security or securities selected by an Independent Investment Banker as having an actual or interpolated maturity comparable to the remaining term of the Notes to be redeemed that would be utilized, at the time of selection and in accordance with customary financial practice, in pricing new issues of corporate debt securities of a comparable maturity to the remaining term of such Notes.

“Independent Investment Banker” means one of the Reference Treasury Dealers appointed by us.

“Comparable Treasury Price” means, with respect to any redemption date (i) the average of the Reference Treasury Dealer Quotations for such redemption date, after excluding the highest and lowest such Reference Treasury Dealer Quotation or (ii) if the Independent Investment Banker obtains fewer than four such Reference Treasury Dealer Quotations, the average of all such quotations.

“Reference Treasury Dealer” means each of Citigroup Global Markets Inc., HSBC Securities (USA) Inc., Mizuho Securities USA LLC and Morgan Stanley & Co. LLC or their respective affiliates, which are primary United States government securities dealers, and two other leading primary United States government securities dealers in New York City reasonably designated by us in writing; *provided, however*, that if any of the foregoing shall cease to be a primary United States government securities dealer in New York City (a “Primary Treasury Dealer”), we will substitute therefor another Primary Treasury Dealer.

“Reference Treasury Dealer Quotation” means, with respect to each Reference Treasury Dealer and any redemption date, the average, as determined by the Independent Investment Banker, of the bid and asked prices for the Comparable Treasury Issue (expressed in each case as a percentage of its principal amount) quoted in writing to the Independent Investment Banker by such Reference Treasury Dealer at 3:30 p.m., New York City time on the third business day preceding such redemption date.

On and after the redemption date, interest will cease to accrue on the Notes or any portion of the Notes called for redemption (unless we default in the payment of the redemption price and accrued and unpaid interest). On or before the redemption date, we will deposit with the Trustee money sufficient to pay the redemption price of and (unless the redemption date shall be an interest payment date) accrued and unpaid interest to the redemption date on the Notes to be redeemed on such date. If less than all of the Notes are to be redeemed, the Notes to be redeemed shall be selected by the Trustee by such method as set forth in the indenture.

Redemption for Taxation Reasons

We have the option, subject to certain conditions, to redeem the Notes in whole at their principal amount, plus accrued and unpaid interest, if any, to the date of redemption, if and when, as a result of a change in, execution of, or amendment to, any laws or treaties or the official application or interpretation of any laws or treaties, we

would be required to pay additional amounts related to the deduction of certain withholding taxes in respect of certain payments on the Notes. See “—Covenants—Additional Amounts.”

The optional tax redemption set forth in this Listing Memorandum shall apply with the reincorporation of PGF being treated as the adoption of a successor entity. Such redemption shall not be available if the reincorporation was performed in anticipation of a change in, execution of or amendment to any laws or treaties or the official application or interpretation of any laws or treaties in such new jurisdiction of incorporation that would result in the obligation to pay additional amounts.

Further Issuances

The indenture by its terms does not limit the aggregate principal amount of securities that may be issued under it and permits the issuance, from time to time, of additional notes (also referred to as add-on Notes) of the same series as those offered under this Listing Memorandum. The ability to issue add-on Notes is subject to several requirements, however, including that (i) no event of default under the indenture or event that with the passage of time or other action may become an event of default (such event being a “default”) will have occurred and then be continuing or will occur as a result of that additional issuance, (ii) the add-on Notes will rank *pari passu* and have equivalent terms and benefits as the Notes offered under this Listing Memorandum except for the price to the public and the issue date and (iii) any add-on Notes shall be issued under a separate CUSIP or ISIN number unless the add-on Notes are issued pursuant to a “qualified reopening” of the original series, are otherwise treated as part of the same “issue” of debt instruments as the original series or are issued with no more than a *de minimis* amount of original discount, in each case for U.S. federal income tax purposes. Any add-on Notes with respect to the Notes will be part of the same series as such Notes that PGF is currently offering and the holders will vote on all matters in relation to the Notes as a single series.

Covenant Defeasance

We can make the same type of deposit described below and be released from all or some of the restrictive covenants (if any) that apply to the Notes. This is called “covenant defeasance.” In that event, you would lose the protection of those restrictive covenants but would gain the protection of having money and securities set aside in trust to repay the Notes. In order to achieve covenant defeasance, we must do the following:

- We must irrevocably deposit in trust for the benefit of all direct holders of the Notes a combination of money and non-callable U.S. government or U.S. government agency debt securities or bonds that, in the opinion of a nationally recognized firm of independent accountants, will generate enough cash without reinvestment to make interest, principal and any other payments, including additional amounts, on the Notes on their various due dates.
- We must deliver to the Trustee a legal opinion of our counsel confirming that under then current U.S. federal income tax law we may make the above deposit without causing you to be taxed on the Notes any differently than if we did not make the deposit and just repaid the Notes ourselves.

If we accomplish covenant defeasance, the following provisions of the indenture as it applies to the Notes and of the Notes would no longer apply:

- Any covenants applicable to the Notes described under “—Covenants.”
- The events of default relating to breach of those covenants being defeased and acceleration of the maturity of other debt, described under “—Events of Default.”

If we accomplish covenant defeasance, you can still look to us for repayment of the Notes if there were a shortfall in the trust deposit. In fact, if any event of default occurred (such as our bankruptcy) and the Notes become immediately due and payable, there may be such a shortfall. Depending on the event causing the default, you may not be able to obtain payment of the shortfall.

Modification and Waiver

There are three types of changes we can make to the indenture and the Notes.

Changes Requiring Your Approval. These are changes that cannot be made to the Notes without the specific approval of each holder of Notes. These are the following types of changes:

- change the stated maturity of the principal, interest or premium on the Notes;
- reduce any amounts due on the Notes;
- change any obligation to pay the additional amounts described under “—Covenants—Additional Amounts;”
- reduce the amount of principal payable upon acceleration of the maturity of the Notes following a default;
- change the place or currency of payment on the Notes;
- impair any of the conversion or exchange rights of the Notes;
- impair any right to sue for payment, conversion or exchange;
- reduce the percentage of holders of Notes whose consent is needed to modify or amend the indenture;
- reduce the percentage of holders of Notes whose consent is needed to waive compliance with various provisions of the indenture or to waive specified defaults; and
- modify any other aspect of the provisions dealing with modification and waiver of the indenture.

Changes Requiring a Majority Vote. These are changes to the indenture and the Notes that require a vote of approval by the holders of Notes that together represent a majority of the outstanding principal amount of the Notes. Most changes fall into this category, except for clarifying changes, amendments, supplements and other changes that would not adversely affect holders of the Notes in any material respect. For example, this vote would be required for us to obtain a waiver of all or part of any covenants applicable to the Notes or a waiver of a past default. However, we cannot obtain a waiver of a payment default or any other aspect of the indenture or the Notes listed under “Changes Requiring Your Approval” unless we obtain your individual consent to the waiver.

Changes Not Requiring Approval. These changes do not require any vote by holders of Notes. This type is limited to curing any ambiguity, defect or inconsistency, making changes to conform the provisions contained in the indenture to the description of the Notes and the guarantee contained in this Listing Memorandum and making changes that do not adversely affect the rights of holders of Notes in any material respect, such as adding covenants, additional events of default or successor trustees.

When taking a vote and deciding how much principal amount to attribute to the Notes, Notes that we, any of our affiliates and any other obligor under the Notes acquire or hold will not be counted as outstanding when determining voting rights. In addition, Notes will not be considered outstanding, and therefore will not be eligible to vote, if we have deposited or set aside in trust for you money for their payment or redemption.

We will generally be entitled to set any day as a record date for the purpose of determining the holders of outstanding Notes that are entitled to vote or take other action under the indenture. In limited circumstances, the Trustee will be entitled to set a record date for action by holders. If we or the Trustee set a record date for a vote or other action to be taken by holders of a particular series, that vote or action may be taken only by persons who are holders of outstanding Notes of that series on the record date and must be taken within 180 days following the record date or another period that we or, if it sets the record date, the Trustee may specify. We may shorten or lengthen (but not beyond 180 days) this period from time to time.

Street name and other indirect holders should consult their banks or brokers for information on how approval may be granted or denied if we seek to change the indenture or the Notes or request a waiver.

Conversion

The Notes are not be convertible into, or exchangeable for, any other securities.

Listing

PGF has applied to have the Notes listed on the Official List of the Luxembourg Stock Exchange and to trading on the EuroMTF Market of the Luxembourg Stock Exchange. Following the issuance of the Notes, PGF has used, and will use, its commercially reasonable efforts to obtain and maintain such admission to listing and trading; provided that if PGF is unable to list the Notes on the Official List of the Luxembourg Stock Exchange and/or the Notes do not trade on the EuroMTF Market of the Luxembourg Stock Exchange, or if as a result of any applicable rule, requirement or legislation, PGF would be required to publish financial information either more regularly than it otherwise would be required to or according to accounting principles which are materially different from the accounting principles which Petrobras would otherwise use to prepare its published financial information, PGF may delist the Notes in accordance with the rules of the Luxembourg Stock Exchange and it will use its commercially reasonable efforts to list and maintain a listing of the Notes on a different section of the Luxembourg Stock Exchange or on such other listing authority, stock exchange and/or quotation system inside or outside the European Union as PGF may decide.

Currency Rate Indemnity

PGF has agreed that, if a judgment or order made by any court for the payment of any amount in respect of any Notes is expressed in a currency (the “judgment currency”) other than U.S. dollars (the “denomination currency”), PGF will indemnify the relevant holder and the Trustee against any deficiency arising from any variation in rates of exchange between the date as of which the denomination currency is notionally converted into the judgment currency for the purposes of the judgment or order and the date of actual payment. This indemnity will constitute a separate and independent obligation from PGF’s other obligations under the indenture, will give rise to a separate and independent cause of action, will apply irrespective of any indulgence granted from time to time and will continue in full force and effect notwithstanding any judgment or order for a liquidated sum or sums in respect of amounts due in respect of the relevant Note or under any judgment or order described above.

The Trustee and the Paying Agent

The Bank of New York Mellon, a New York banking corporation, is the trustee under the indenture and has been appointed by PGF as registrar, paying agent and transfer agent with respect to the Notes. The address of the Trustee is 240 Greenwich Street, 7E, New York, New York 10286. PGF will at all times maintain a paying agent in New York City until the Notes are paid. The Bank of New York Mellon SA/NV, Luxembourg Branch has been designated paying agent in Luxembourg with respect to the Notes.

Any corporation or association into which the Trustee or any agent named above may be merged or converted or with which it may be consolidated, or any corporation or association resulting from any merger, conversion or consolidation to which the Trustee or any agent shall be a party, or any corporation or association to which all or substantially all of the corporate trust business of the Trustee or any agent may be sold or otherwise transferred, shall be the successor Trustee or relevant agent, as applicable, hereunder without any further act.

DESCRIPTION OF THE GUARANTY

General

Petrobras guarantees the Notes (the “guaranty”) for the benefit of the holders.

The guaranty provides that Petrobras unconditionally and irrevocably guarantees the Notes on the terms and conditions described below.

The following summary describes the material provisions of the guaranty. You should read the more detailed provisions of the guaranty, including the defined terms, for provisions that may be important to you. This summary is subject to, and qualified in its entirety by reference to, the provisions of the guaranty.

Despite the Brazilian government’s ownership interest in Petrobras, the Brazilian government is not responsible in any manner for PGF’s obligations under the Notes, or Petrobras’s obligations under the guaranty.

Ranking

The obligations of Petrobras under the guaranty constitute general unsecured obligations of Petrobras which at all times rank, and will rank, *pari passu* with all other senior unsecured obligations of Petrobras that are not, by their terms, expressly subordinated in right of payment to the obligations of Petrobras under the guaranty.

In addition, Petrobras’s obligations under the guaranty of the Notes rank, and will rank, *pari passu* with its obligations in respect of outstanding and future guaranty of indebtedness issued by PGF.

Nature of Obligation

Petrobras unconditionally and irrevocably guarantees (by way of a first demand guarantee) the full and punctual payment when due, whether at the maturity date of the Notes, or earlier or later by acceleration or otherwise, of all of PGF’s obligations now or hereafter existing under the indenture and the Notes, whether for principal, interest, make-whole premium, fees, indemnities, costs, expenses, tax payments or otherwise (such obligations being referred to as the “guaranteed obligations”).

The obligation of Petrobras to pay amounts in respect of the guaranteed obligations are absolute and unconditional (thus waiving any benefits of order set forth under Brazilian law, including those established in articles 827, 834, 835, 838 and 839 of the Brazilian Civil Code, under article 794, caput, of the Brazilian Civil Procedure Code) upon failure of PGF to make, at the maturity date of the Notes or earlier upon any acceleration or otherwise of the Notes in accordance with the terms of the indenture, any payment in respect of principal, interest or other amounts due under the indenture and the Notes on the date any such payment is due. If PGF fails to make payments to the Trustee in respect of the guaranteed obligations, Petrobras will, upon notice from the Trustee, immediately pay to the Trustee such amount of the guaranteed obligations payable under the indenture and the Notes. All amounts payable by Petrobras under the guaranty will be payable in U.S. dollars and in immediately available funds to the Trustee. Petrobras will not be relieved of its obligations under the guaranty unless and until the Trustee receives all amounts required to be paid by Petrobras under the guaranty (and any related event of default under the indenture has been cured), including payment of the total non-payment overdue interest.

Events of Default

There are no events of default under the guaranty. The indenture, however, contain events of default relating to Petrobras that may trigger an event of default and acceleration of the Notes. See “Description of the Notes—Events of Default.” Upon any such acceleration (including any acceleration arising out of the insolvency or similar events relating to Petrobras), if PGF fails to pay all amounts then due under the Notes and the indenture, Petrobras will be obligated to make such payments pursuant to the guaranty.

Covenants

For so long as any of the Notes are outstanding and Petrobras has obligations under the guaranty, Petrobras will, and will cause each of its subsidiaries, as applicable, to comply with the terms of the following covenants:

Performance Obligations under the Guaranty and Indenture

Petrobras shall pay all amounts owed by it and comply with all its other obligations under the terms of the guaranty and the indenture in accordance with the terms of those agreements.

Maintenance of Corporate Existence

Petrobras shall maintain in effect its corporate existence and all necessary registrations and take all actions to maintain all rights, privileges, titles to property, franchises, concessions and the like necessary or desirable in the normal conduct of its business, activities or operations. However, this covenant will not require Petrobras to maintain any such right, privilege, title to property or franchise if the failure to do so does not, and will not, have a material adverse effect on Petrobras taken as a whole or have a materially adverse effect on the rights of the holders of the Notes.

Maintenance of Office or Agency

So long as the Notes are outstanding, Petrobras shall maintain an office or agency in the United States where notices to and demands upon it in respect of the guaranty may be served. Initially, Petrobras has appointed Petrobras America Inc., with offices located at 10350 Richmond Ave., Suite 1400, Houston, TX 77042, as its agent. Petrobras will not change the appointment of the agent without prior written notice to the Trustee and appointing a replacement agent or designating an office, in the United States.

Ranking

Petrobras shall ensure at all times that its obligations under the guaranty will be its general senior unsecured and unsubordinated obligations and will rank *pari passu* with all other present and future senior unsecured and unsubordinated obligations of Petrobras (other than obligations preferred by statute or by operation of law) that are not, by their terms, expressly subordinated in right of payment to the obligations of Petrobras under the guaranty.

Provision of Financial Statements and Reports

Petrobras shall provide to the Trustee, in English or accompanied by a certified English translation thereof, (i) within 90 calendar days after the end of each fiscal quarter (other than the fourth quarter), its unaudited and consolidated balance sheet and statement of income prepared in accordance with IFRS, and (ii) within 120 calendar days after the end of each fiscal year, its audited and consolidated balance sheet and statement of income calculated in accordance with IFRS. As long as the financial statements or reports are publicly available and accessible electronically by the Trustee, the filing or electronic publication of such financial statements or reports will comply with Petrobras's obligation to deliver such statements and reports to the Trustee. The Trustee will have no obligation to determine if and when Petrobras's financial statements or reports, if any, are publicly available and accessible electronically.

Along with each such financial statement or report, if any, Petrobras will provide an officers' certificate stating that a review of Petrobras's and PGF's activities has been made during the period covered by such financial statements with a view to determining whether Petrobras and PGF have kept, observed, performed and fulfilled their covenants and agreements under the guaranty and the indenture, as applicable, and that no event of default has occurred during such period.

In addition, whether or not Petrobras is required to file reports with the SEC, Petrobras will file with the SEC and deliver to the Trustee (for redelivery to all holders of the Notes, upon written request) all reports and other information it would be required to file with the SEC under the Exchange Act if it were subject to those regulations. If the SEC does not permit the filing described above, Petrobras will provide annual and interim reports and other

information to the Trustee within the same time periods that would be applicable if Petrobras were required and permitted to file these reports with the SEC.

Delivery of these reports, information and documents to the Trustee is for informational purposes only and the Trustee's receipt of any of those shall not constitute constructive notice of any information contained in them or determinable from information contained therein, including Petrobras's compliance with any of its covenants in the guaranty (as to which the Trustee is entitled to rely exclusively on officer's certificates).

Negative Pledge

So long as the Notes remain outstanding, Petrobras shall not create or permit any lien, other than a Petrobras permitted lien, on any of its assets to secure (i) any of its indebtedness or (ii) the indebtedness of any other person, unless Petrobras contemporaneously creates or permits the lien to secure equally and ratably its obligations under the guaranty or Petrobras provides other security for its obligations under the guaranty and the indenture as is duly approved by a resolution of the holders of the Notes in accordance with the indenture. In addition, Petrobras will not allow any of its material subsidiaries, if any, to create or permit any lien, other than a Petrobras permitted lien, on any of Petrobras's assets to secure (i) any of its indebtedness, (ii) any of the material subsidiary's indebtedness or (iii) the indebtedness of any other person, unless Petrobras contemporaneously creates or permits the lien to secure equally and ratably Petrobras's obligations under the guaranty and the indenture or Petrobras provides such other security for its obligations under the guaranty as is duly approved by a resolution of the holders of the Notes in accordance with the indenture.

As used in this "Negative Pledge" section, the following terms have the respective meanings set forth below:

A "guaranty" means an obligation of a person to pay the indebtedness of another person including without limitation:

- an obligation to pay or purchase such indebtedness;
- an obligation to lend money, to purchase or subscribe for shares or other securities or to purchase assets or services in order to provide funds for the payment of such indebtedness;
- an indemnity against the consequences of a default in the payment of such indebtedness; or
- any other agreement to be responsible for such indebtedness.

"Indebtedness" means any obligation (whether present or future, actual or contingent and including, without limitation, any guaranty) for the payment or repayment of money which has been borrowed or raised (including money raised by acceptances and all leases which, under generally accepted accounting principles in the country of incorporation of the relevant obligor, would constitute a capital lease obligation).

A "lien" means any mortgage, pledge, lien, hypothecation, security interest or other charge or encumbrance on any property or asset including, without limitation, any equivalent created or arising under applicable law.

A "project financing" of any project means the incurrence of indebtedness relating to the exploration, development, expansion, renovation, upgrade or other modification or construction of such project pursuant to which the providers of such indebtedness or any trustee or other intermediary on their behalf or beneficiaries designated by any such provider, trustee or other intermediary are granted security over one or more qualifying assets relating to such project for repayment of principal, premium and interest or any other amount in respect of such indebtedness.

A “qualifying asset” in relation to any project means:

- any concession, authorization or other legal right granted by any governmental authority to Petrobras or any of Petrobras’s subsidiaries, or any consortium or other venture in which Petrobras or any subsidiary has any ownership or other similar interest;
- any drilling or other rig, any drilling or production platform, pipeline, marine vessel, vehicle or other equipment or any refinery, oil or gas field, processing plant, real property (whether leased or owned), right of way or plant or other fixtures or equipment;
- any revenues or claims that arise from the operation, failure to meet specifications, failure to complete, exploitation, sale, loss or damage to, such concession, authorization or other legal right or such drilling or other rig, drilling or production platform, pipeline, marine vessel, vehicle or other equipment or refinery, oil or gas field, processing plant, real property, right of way, plant or other fixtures or equipment or any contract or agreement relating to any of the foregoing or the project financing of any of the foregoing (including insurance policies, credit support arrangements and other similar contracts) or any rights under any performance bond, letter of credit or similar instrument issued in connection therewith;
- any oil, gas, petrochemical or other hydrocarbon-based products produced or processed by such project, including any receivables or contract rights arising therefrom or relating thereto and any such product (and such receivables or contract rights) produced or processed by other projects, fields or assets to which the lenders providing the project financing required, as a condition therefore, recourse as security in addition to that produced or processed by such project; and
- shares or other ownership interest in, and any subordinated debt rights owing to Petrobras by, a special purpose company formed solely for the development of a project, and whose principal assets and business are constituted by such project and whose liabilities solely relate to such project.

A “Petrobras permitted lien” means a:

- (a) lien granted in respect of indebtedness owed to the Brazilian government, *Banco Nacional de Desenvolvimento Econômico e Social* or any official government agency or department of Brazil or of any state or region of Brazil;
- (b) lien arising by operation of law, such as merchants’, maritime or other similar liens arising in Petrobras’s ordinary course of business or that of any subsidiary or lien in respect of taxes, assessments or other governmental charges that are not yet delinquent or that are being contested in good faith by appropriate proceedings;
- (c) lien arising from Petrobras’s obligations under performance bonds or surety bonds and appeal bonds or similar obligations incurred in the ordinary course of business and consistent with Petrobras’s past practice;
- (d) lien arising in the ordinary course of business in connection with indebtedness maturing not more than one year after the date on which that indebtedness was originally incurred and which is related to the financing of export, import or other trade transactions;
- (e) lien granted upon or with respect to any assets hereafter acquired by Petrobras or any subsidiary to secure the acquisition costs of those assets or to secure indebtedness incurred solely for the purpose of financing the acquisition of those assets, including any lien existing at the time of the acquisition of those assets, so long as the maximum amount so secured will not exceed the aggregate acquisition costs of all such assets or the aggregate indebtedness incurred solely for the acquisition of those assets, as the case may be;
- (f) lien granted in connection with the indebtedness of a wholly-owned subsidiary owing to Petrobras or another wholly-owned subsidiary;

- (g) lien existing on any asset or on any stock of any subsidiary prior to its acquisition by Petrobras or any subsidiary so long as that lien is not created in anticipation of that acquisition;
- (h) lien over any qualifying asset relating to a project financed by, and securing indebtedness incurred in connection with, the project financing of that project by Petrobras, any of Petrobras's subsidiaries or any consortium or other venture in which Petrobras or any subsidiary has any ownership or other similar interest;
- (i) lien existing as of the date of the original issuance of the Notes;
- (j) lien resulting from the indenture, the Notes and the guaranty, if any;
- (k) lien incurred in connection with the issuance of debt or similar securities of a type comparable to those already issued by Petrobras, on amounts of cash or cash equivalents on deposit in any reserve or similar account to pay interest on such securities for a period of up to 24 months as required by any rating agency as a condition to such rating agency rating such securities investment grade, or as is otherwise consistent with market conditions at such time;
- (l) lien granted or incurred to secure any extension, renewal, refinancing, refunding or exchange (or successive extensions, renewals, refinancings, refundings or exchanges), in whole or in part, of or for any indebtedness secured by any lien referred to in paragraphs (a) through (k) above (but not paragraph (d)), *provided that* such lien does not extend to any other property, the principal amount of the indebtedness secured by the lien is not increased, and in the case of paragraphs (a), (b), (c) and (g), the obligees meet the requirements of that paragraph, and in the case of paragraph (h), the indebtedness is incurred in connection with a project financing by Petrobras, any of Petrobras's subsidiaries or any consortium or other venture in which Petrobras or any subsidiary have any ownership or other similar interest; and
- (m) lien in respect of indebtedness the principal amount of which in the aggregate, together with all liens not otherwise qualifying as Petrobras permitted liens pursuant to another part of this definition of Petrobras permitted liens, does not exceed 20% of Petrobras's consolidated total assets (as determined in accordance with IFRS) at any date as at which Petrobras's balance sheet is prepared and published in accordance with applicable law.

A "wholly-owned subsidiary" means, with respect to any corporate entity, any person of which 100% of the outstanding capital stock (other than qualifying shares, if any) having by its terms ordinary voting power (not dependent on the happening of a contingency) to elect the board of directors (or equivalent controlling governing body) of that person is at the time owned or controlled directly or indirectly by that corporate entity, by one or more wholly-owned subsidiaries of that corporate entity or by that corporate entity and one or more wholly-owned subsidiaries.

A "material subsidiary" means a subsidiary of Petrobras which on any given date of determination accounts for more than 15% of Petrobras's total consolidated assets (as set forth on Petrobras's most recent balance sheet prepared in accordance with IFRS).

Limitation on Consolidation, Merger, Sale or Conveyance

Petrobras shall not, in one or a series of transactions, consolidate or amalgamate with or merge into any corporation or convey, lease, spin-off or transfer substantially all of its properties, assets or revenues to any person or entity (other than a direct or indirect subsidiary of Petrobras) or permit any person (other than a direct or indirect subsidiary of Petrobras) to merge with or into it unless:

- either Petrobras is the continuing entity or the person (the "successor company") formed by such consolidation or into which Petrobras is merged or that acquired (through a transfer of assets, a spin-off or otherwise) or leased such property or assets of Petrobras will assume (jointly and severally with Petrobras unless Petrobras will have ceased to exist as a result of such merger, consolidation or amalgamation), by an amendment to the guaranty, all of Petrobras's obligations under the guaranty;

- the successor company (jointly and severally with Petrobras unless Petrobras will have ceased to exist as part of such merger, consolidation or amalgamation) agrees to indemnify each holder against any tax, assessment or governmental charge thereafter imposed on such holder solely as a consequence of such consolidation, merger, conveyance, spin-off, transfer or lease with respect to the payment of principal of, or interest on, the Notes;
- immediately after giving effect to the transaction, no event of default, and no default has occurred and is continuing; and
- Petrobras has delivered to the Trustee an officers' certificate and an opinion of counsel, each stating that that such merger, consolidation, sale, spin-off, transfer or other conveyance or disposition and the amendment to the guaranty comply with the terms of the guaranty and that all conditions precedent provided for in the guaranty and relating to such transaction have been complied with.

Notwithstanding anything to the contrary in the foregoing, so long as no default or event of default under the indenture or the Notes, as applicable, has occurred and is continuing at the time of such proposed transaction or would result therefrom and Petrobras has delivered notice of any such transaction to the Trustee:

- Petrobras may merge, amalgamate or consolidate with or into, or convey, transfer, spin-off, lease or otherwise dispose of all or substantially all of its properties, assets or revenues to a direct or indirect subsidiary of Petrobras in cases when Petrobras is the surviving entity in such transaction and such transaction would not have a material adverse effect on Petrobras and its subsidiaries taken as whole, it being understood that if Petrobras is not the surviving entity, Petrobras will be required to comply with the requirements set forth in the previous paragraph;
- any direct or indirect subsidiary of Petrobras may merge or consolidate with or into, or convey, transfer, spin-off, lease or otherwise dispose of assets to, any person (other than Petrobras or any of its subsidiaries or affiliates) in cases when such transaction would not have a material adverse effect on Petrobras and its subsidiaries taken as a whole;
- any direct or indirect subsidiary of Petrobras may merge or consolidate with or into, or convey, transfer, lease or otherwise dispose of assets to, any other direct or indirect subsidiary of Petrobras; or
- any direct or indirect subsidiary of Petrobras may liquidate or dissolve if Petrobras determines in good faith that such liquidation or dissolution is in the best interests of Petrobras, and would not result in a material adverse effect on Petrobras and its subsidiaries taken as a whole and if such liquidation or dissolution is part of a corporate reorganization of Petrobras.

Amendments

The guaranty may only be amended or waived in accordance with its terms pursuant to a written document which has been duly executed and delivered by Petrobras and the Trustee, acting on behalf of the holders of the Notes. Because the guaranty forms part of the indenture, it may be amended by Petrobras and the Trustee, in some cases without the consent of the holders. See "Description of the Notes —Modification and Waiver."

Except as contemplated above, the indenture will provide that the Trustee may execute and deliver any other amendment to the guaranty or grant any waiver thereof only with the consent of the holders of a majority in aggregate principal amount of the Notes.

Governing Law

The guaranty are governed by the laws of the State of New York.

Jurisdiction

Petrobras has consented to the non-exclusive jurisdiction of any court of the State of New York or any U.S. federal court sitting in the Borough of Manhattan, The City of New York, New York, United States and any appellate court from any thereof. Petrobras has appointed Petrobras America Inc., with offices located at 10350 Richmond Ave., Suite 1400, Houston, TX 77042, as its authorized agent upon which process may be served in any action or proceeding brought in such New York State federal court sitting in New York City.

Waiver of Immunities

To the extent that Petrobras may in any jurisdiction claim for itself or its assets immunity from a suit, execution, attachment, whether in aid of execution, before judgment or otherwise, or other legal process in connection with the guaranty (or any document delivered pursuant thereto) and to the extent that in any jurisdiction there may be immunity attributed to Petrobras, PGF or their assets, whether or not claimed, Petrobras has irrevocably agreed with the Trustee, for the benefit of the holders, not to claim, and to irrevocably waive, the immunity to the full extent permitted by law.

Currency Rate Indemnity

Petrobras has agreed that, if a judgment or order made by any court for the payment of any amount in respect of any of its obligations under the guaranty is expressed in a currency (the “judgment currency”) other than U.S. dollars (the “denomination currency”), Petrobras will indemnify the relevant holder and the Trustee against any deficiency arising from any variation in rates of exchange between the date as of which the denomination currency is notionally converted into the judgment currency for the purposes of the judgment or order and the date of actual payment. This indemnity will constitute a separate and independent obligation from Petrobras’s other obligations under the guaranty, will give rise to a separate and independent cause of action, will apply irrespective of any indulgence granted from time to time and will continue in full force and effect.

REGISTRATION RIGHTS

The following description of the Registration Rights Agreement is a summary only and is qualified in its entirety by reference to all the provisions of the Registration Rights Agreement. A copy of the Registration Rights Agreement is available upon request to us at our address set forth under “Where You Can Find More Information.”

Pursuant to the Registration Rights Agreement dated as of September 18, 2019, PGF and Petrobras agreed to use their respective commercially reasonable efforts to file with the SEC a registration statement (the “Exchange Offer Registration Statement”) on an appropriate form under the Securities Act with respect to its offer to exchange any of the Notes for A/B Exchange Notes. Upon the effectiveness of the Exchange Offer Registration Statement, PGF will offer to the holders of the Notes who are able to make certain representations the opportunity to exchange their Notes for A/B Exchange Notes. The A/B Exchange Notes will have terms identical to the Notes, except that the A/B Exchange Notes will not contain (i) the restrictions on transfer that are applicable to the Notes or (ii) any provisions for additional interest.

The Registration Rights Agreement provides that: (i) unless the Exchange Offer would not be permitted by applicable law or SEC policy, PGF shall use its commercially reasonable efforts to (a) file an Exchange Offer Registration Statement with the SEC on or before July 31, 2020, (b) have the Exchange Offer Registration Statement declared effective by the SEC on or before August 31, 2020, and (c) commence promptly after such declaration of effectiveness, and in any case issue, on or before September 30, 2020, A/B Exchange Notes in exchange for all Notes tendered prior to the expiration of the A/B Exchange Offer, and (ii) if obligated to file the Shelf Registration Statement (as defined below) with the SEC or amend or supplement an existing Registration Statement, PGF shall use its commercially reasonable efforts to file the Shelf Registration Statement or amend or supplement an existing Registration Statement prior to the later of September 30, 2020 or 30 days after such filing obligation arises and PGF shall use its commercially reasonable efforts to have such Shelf Registration Statement declared effective by the SEC on or prior to the 60th day after such filing was required to be made; *provided* that PGF shall not be required to file a Shelf Registration Statement or supplement an existing Shelf Registration Statement during any statutory or self-imposed blackout or quiet period. PGF shall use its commercially reasonable efforts to keep such Shelf Registration Statement continuously effective, supplemented and amended until the first anniversary of the effective date of the Shelf Registration Statement or such shorter period that will terminate when all the Registrable Securities (as defined below) covered by the Shelf Registration Statement have been sold pursuant thereto or may be sold pursuant to Rule 144(d) under the Securities Act if held by a non-affiliate of PGF; *provided* that PGF shall not be obligated to keep the Shelf Registration Statement effective, supplemented or amended during any statutory or self-imposed blackout or quiet period.

If (i) PGF is not permitted to file the Exchange Offer Registration Statement with the SEC or to consummate the A/B Exchange Offer because the A/B Exchange Offer is not permitted by applicable law or SEC policy, (ii) the A/B Exchange Offer is not consummated by September 30, 2020, or (iii) any holder of Notes notifies PGF within a specified time period that (a) due to a change in law or SEC policy it may not resell the A/B Exchange Notes acquired by it in the A/B Exchange Offer to the public without delivering a prospectus and the prospectus contained in the Exchange Offer Registration Statement is not appropriate or available for such resales by such holder, (b) it is a purchaser and owns Notes acquired directly from PGF or an affiliate of PGF or (c) the holders of a majority in aggregate principal amount of the Notes may not resell the A/B Exchange Notes acquired by them in the A/B Exchange Offer to the public without restriction under applicable blue sky or state securities laws, then PGF will use its commercially reasonable efforts to (1) file with the SEC or amend or supplement an existing shelf registration statement (the “Shelf Registration Statement”) to cover resales of all Registrable Securities by the holders thereof and (2) have the applicable registration statement declared effective by the SEC on or prior to 60 days after such filing was required to be made; *provided* that PGF shall not be obligated to file the Shelf Registration Statement with the SEC, or to cause such Shelf Registration Statement to remain effective, during any statutory or self-imposed blackout or quiet period. For purposes of the foregoing, “Registrable Securities” means each New Note until (i) the date on which such New Note is exchanged by a person other than a broker-dealer for an A/B Exchange Note in the A/B Exchange Offer, (ii) following the exchange by a broker-dealer in the A/B Exchange Offer of a New Note for an A/B Exchange Note, the date on which such A/B Exchange Note is sold to a purchaser who receives from such broker-dealer on or prior to the date of such sale a copy of a prospectus, (iii) the date on which such New Note is effectively registered under the Securities Act and disposed of in accordance with a Shelf Registration Statement, (iv) the date on which such New Note is freely transferable pursuant to Rule 144 under the Securities Act (or any similar provision

then in force, but not Rule 144A), (v) the date on which such New Note is otherwise transferred by the holder thereof and a new Note not bearing a legend restricting further transfer is delivered by PGF in exchange therefor or (vi) the date on which such New Note ceases to be outstanding.

Each holder of Notes that wishes to exchange Notes for A/B Exchange Notes in the A/B Exchange Offer will be required to make certain representations, including representations that (i) any A/B Exchange Notes to be received by it will be acquired in the ordinary course of its business, (ii) it has no arrangement with any person to participate in a distribution of the A/B Exchange Notes and it does not intend to participate in any such distribution and (iii) it is not an “affiliate,” as defined in Rule 405 under the Securities Act, of PGF, or if it is an affiliate, it will comply (at its own expense) with the registration and prospectus delivery requirements of the Securities Act to the extent applicable.

If the holder is a broker-dealer that will receive A/B Exchange Notes for its own account in exchange for Notes that were acquired as a result of market-making activities or other trading activities, it will be required to acknowledge that it will deliver a prospectus in connection with any resale of such A/B Exchange Notes.

If (i) the Exchange Offer Registration Statement (or a Shelf Registration Statement in lieu thereof) is not filed with the SEC on or before July 31, 2020, (ii) the Exchange Offer Registration Statement (or a Shelf Registration Statement in lieu thereof) is not declared effective by the SEC on or before August 31, 2020, (iii) the Exchange Offer is not consummated on or before September 30, 2020, (iv) a Shelf Registration Statement required to be filed with the SEC is not filed on or before the date specified above for such filing, (v) a Shelf Registration Statement otherwise required to be filed with the SEC is not declared effective on or before the date specified above for effectiveness thereof or (vi) a Shelf Registration Statement is declared effective but thereafter, subject to certain exceptions, ceases to be effective or usable in connection with resales of Registrable Securities during the periods specified in the Registration Rights Agreement (each such event referred to in clauses (i) through (vi) above, a “Registration Default”), then, with respect to any Notes, in the case of a Registration Default referred to in clause (i), (ii) or (iii) above, the interest rate on all Notes, or, in the case of a Registration Default referred to in clause (iv), (v) or (vi) above, the interest rate on the Notes to which such Registration Default relates, will increase by 0.25% per annum with respect to each 90-day period that passes until all such Registration Defaults have been cured, up to a maximum amount of 1.00% per annum; *provided* that any such additional interest on the Notes will cease to accrue on the later of (i) the date on which the Notes become freely transferable pursuant to Rule 144 under the Securities Act and (ii) the date on which the Barclays Capital U.S. Aggregate Bond Index is modified to permit the inclusion of freely transferable securities that have not been registered with the SEC. Following the cure of any Registration Default, the accrual of such additional interest related to such Registration Default will cease, and the interest rate applicable to the affected Notes will revert to the original rate.

CLEARANCE AND SETTLEMENT

Book-Entry Issuance

Except under limited circumstances, all Notes are book-entry notes. This means that the holders of the Notes are not entitled to have the Notes registered in their names and are not entitled to receive physical delivery of the Notes in definitive (paper) form. Instead all the Notes are represented by one or more fully registered global notes.

Each global note is deposited directly with The Depository Trust Company, a securities depository, and is registered in the name of DTC's nominee. Global notes may also be deposited indirectly with Clearstream, Luxembourg and Euroclear, as indirect participants of DTC. For background information regarding DTC and Clearstream, Luxembourg and Euroclear, see “—The Depository Trust Company” and “—Clearstream, Luxembourg and Euroclear” below. No global note representing book-entry notes may be transferred except as a whole by DTC to a nominee of DTC, or by a nominee of DTC to another nominee of DTC. Thus, DTC is the only registered holder of the Notes and is considered the sole representative of the beneficial owners of the Notes for purposes of the indentures. In a few special situations described below, a global note will terminate and interests in it will be exchanged for physical certificates representing the Notes. After that exchange, the choice of whether to hold securities directly or in street name will be up to you. You must consult your bank or broker to find out how to have your interests in the securities transferred to your name, so that you will be a direct holder.

The special situations for termination of a global security representing the Notes are:

- when the depository notifies us that it is unwilling or unable to continue as depository for such global note or the depository ceases to be a clearing agent registered under the Exchange Act, at a time when such depository is required to be so registered in order to act as depository, and, in each case, we do not or cannot appoint a successor depository within 90 days;
- when we notify the trustee that we wish to terminate the global note upon a change in tax law that would be adverse to us but for the termination of the global note; or
- when an event of default on the Notes has occurred and has not been cured.

When a global security terminates, the depository (and not us, the trustee, any warrant agent, any transfer agent or any registrar) is responsible for deciding the names of the institutions that will be the initial direct holders.

The registration of the global notes in the name of DTC's nominee does not affect beneficial ownership and is performed merely to facilitate subsequent transfers. The book-entry system, which is also the system through which most publicly traded common stock is held in the United States, is used because it eliminates the need for physical movement of securities certificates. The laws of some jurisdictions, however, may require some purchasers to take physical delivery of their Notes in definitive form. These laws may impair the ability of beneficial holders to transfer the Notes.

In this Listing Memorandum, unless and until definitive (paper) notes are issued to the beneficial owners, all references to “registered holders” of Notes shall mean DTC. PGF, Petrobras, the trustee and any paying agent, transfer agent, registrar or other agent may treat DTC as the absolute owner of the Notes for all purposes.

Secondary Market Trading

We understand that secondary market trading between DTC participants will occur in the ordinary way in accordance with DTC's rules. Secondary market trading will be settled using procedures applicable to United States corporate debt obligations in DTC's Same-Day Funds Settlement System. If payment is made in U.S. dollars, settlement will be free of payment. If payment is made in a currency other than U.S. dollars, separate payment arrangements outside of the DTC system must be made between the DTC participants involved.

Exchanges Between Regulation S Notes and Restricted Global Notes

Beneficial interests in one global note may generally be exchanged for interests in another global note. Depending on whether the transfer is being made during or after the 40-day period commencing on the original issue date of the Notes, and to which global note the transfer is being made, the seller may be required to provide certain written certifications in the form provided in the indentures. A beneficial interest in a global note that is transferred to a person who takes delivery through another global note will, upon transfer, become subject to any transfer restrictions and other procedures applicable to beneficial interests in the other global note for so long as it remains such an interest.

Transfers involving exchanges of beneficial interests between the Regulation S global notes and the restricted global notes will be effected by DTC by means of an instruction originated through the DTC deposit/withdrawal at custodian system. Accordingly, in connection with any such transfer, appropriate adjustments will be made to reflect a decrease in the principal amount of the Regulation S global note and a corresponding increase in the principal amount of the restricted global note or vice versa, as applicable.

The Depository Trust Company

The policies of DTC will govern payments, transfers, exchange and other matters relating to the beneficial owner's interest in the Notes held by that owner. Neither the Trustee, Registrar, Paying Agent and Transfer Agent nor we have any responsibility for any aspect of the actions of DTC or any of their direct or indirect participants. Neither the Trustee, Registrar, Paying Agent and Transfer Agent nor we have any responsibility for any aspect of the records kept by DTC or any of their direct or indirect participants. In addition, neither the Trustee, Registrar, Paying Agent and Transfer Agent nor we supervise DTC in any way. DTC and their participants perform these clearance and settlement functions under agreements they have made with one another or with their customers. Investors should be aware that DTC and its participants are not obligated to perform these procedures and may modify them or discontinue them at any time. The description of the clearing systems in this section reflects our understanding of the rules and procedures of DTC as they are currently in effect. DTC could change its rules and procedures at any time.

DTC has advised us as follows:

- DTC is:
 - a limited purpose trust company organized under the laws of the State of New York;
 - a member of the Federal Reserve System;
 - a “clearing corporation” within the meaning of the Uniform Commercial Code; and
 - a “clearing agency” registered pursuant to the provisions of Section 17A of the Exchange Act.
- DTC was created to hold securities for its participants and to facilitate the clearance and settlement of securities transactions between participants through electronic book-entry changes to accounts of its participants. This eliminates the need for physical movement of certificates.
- Participants in DTC include securities brokers and dealers, banks, trust companies and clearing corporations and may include certain other organizations. DTC is partially owned by some of these participants or their representatives.
- Indirect access to the DTC system is also available to banks, brokers, dealers and trust companies that have relationships with participants.
- The rules applicable to DTC and DTC participants are on file with the SEC.

Clearstream, Luxembourg and Euroclear

Clearstream, Luxembourg has advised that: it is a duly licensed bank organized as a *société anonyme* incorporated under the laws of Luxembourg and is subject to regulation by the Luxembourg Commission for the supervision of the financial sector (*Commission de surveillance du secteur financier*); it holds securities for its customers and facilitates the clearance and settlement of securities transactions among them, and does so through electronic book-entry transfers between the accounts of its customers, thereby eliminating the need for physical movement of certificates; it provides other services to its customers, including safekeeping, administration, clearance and settlement of internationally traded securities and lending and borrowing of securities; it interfaces with the domestic markets in over 30 countries through established depository and custodial relationships; its customers include worldwide securities brokers and dealers, banks, trust companies and clearing corporations and may include certain other professional financial intermediaries; its U.S. customers are limited to securities brokers and dealers and banks; and indirect access to the Clearstream, Luxembourg system is also available to others that clear through Clearstream, Luxembourg customers or that have custodial relationships with its customers, such as banks, brokers, dealers and trust companies.

Euroclear has advised that: it is incorporated under the laws of Belgium as a bank and is subject to regulation by the Belgian Banking and Finance Commission (*Commission Bancaire et Financière*) and the National Bank of Belgium (*Banque Nationale de Belgique*); it holds securities for its participants and facilitates the clearance and settlement of securities transactions among them; it does so through simultaneous electronic book-entry delivery against payments, thereby eliminating the need for physical movement of certificates; it provides other services to its participants, including credit, custody, lending and borrowing of securities and tri-party collateral management; it interfaces with the domestic markets of several countries; its customers include banks, including central banks, securities brokers and dealers, banks, trust companies and clearing corporations and certain other professional financial intermediaries; indirect access to the Euroclear system is also available to others that clear through Euroclear customers or that have custodial relationships with Euroclear customers; and all securities in Euroclear are held on a fungible basis, which means that specific certificates are not matched to specific securities clearance accounts.

Secondary Market Trading

We understand that secondary market trading between Clearstream, Luxembourg and/or Euroclear participants will occur in the ordinary way following the applicable rules and operating procedures of Clearstream, Luxembourg and Euroclear. Secondary market trading will be settled using procedures applicable to securities in registered form.

You should be aware that investors will only be able to make and receive deliveries, payments and other communications involving the Notes through Clearstream, Luxembourg and Euroclear on business days. Those systems may not be open for business on days when banks, brokers and other institutions are open for business in the United States or Brazil.

Because of time zone differences, the securities account of a Euroclear or Clearstream, Luxembourg participant purchasing an interest in a global note from a participant in DTC will be credited and reported to the relevant Euroclear or Clearstream, Luxembourg participant, during the securities settlement processing day (which must be a business day for Euroclear and Clearstream) immediately following the settlement date of DTC. DTC has advised us that cash received in Euroclear or Clearstream, Luxembourg as a result of sales of interests in a global note by or through a Euroclear or Clearstream, Luxembourg participant to a participant in DTC will be received with value on the settlement date of DTC but will be available in the relevant Euroclear or Clearstream, Luxembourg cash account only as of the business day for Euroclear or Clearstream, Luxembourg following DTC's settlement date.

Clearstream, Luxembourg or Euroclear will credit payments to the cash accounts of participants in Clearstream, Luxembourg or Euroclear in accordance with the relevant systemic rules and procedures, to the extent received by its depository. Clearstream, Luxembourg or the Euroclear, as the case may be, will take any other action permitted to be taken by a registered holder under the indentures on behalf of a Clearstream, Luxembourg or Euroclear participant only in accordance with its relevant rules and procedures.

Clearstream, Luxembourg and Euroclear have agreed to the foregoing procedures in order to facilitate transfers of the debt securities among participants of Clearstream, Luxembourg and Euroclear. However, they are

under no obligation to perform or continue to perform those procedures, and they may discontinue those procedures at any time.

TRANSFER RESTRICTIONS

The Notes have not been registered under the Securities Act or the securities laws of any state or any other jurisdiction and may not be offered or sold in the United States or to, or for the account or benefit of, U.S. persons (as defined in Regulation S), except in transactions exempt from, or not subject to, the registration requirements of the Securities Act. Accordingly, the Notes are being offered and sold only:

- (a) to qualified institutional buyers in accordance with Rule 144A under the Securities Act; and
- (b) outside of the United States, to certain persons other than U.S. persons (or non-U.S. purchasers, which term shall include dealers or other professional fiduciaries in the United States acting on a discretionary basis for non-U.S. beneficial owners (other than an estate or trust)) in offshore transactions meeting the requirements of Rule 903 of Regulation S under the Securities Act.

As used herein, the terms “offshore transaction,” “United States” and “U.S. person” have the respective meanings given to them in Regulation S.

Purchasers’ Representations and Restrictions on Resale and Transfer

Each purchaser of Notes and each owner of any beneficial interest therein will be deemed, by its acceptance or purchase thereof, to have represented and agreed as follows:

- (1) It is purchasing the Notes for its own account or an account with respect to which it exercises sole investment discretion and it and any such account is either (a) a qualified institutional buyer and is aware that the sale to it is being made in reliance on Rule 144A or (b) a non-U.S. purchaser that is outside the United States or a non-U.S. purchaser that is a dealer or other fiduciary as referred above.
- (2) It acknowledges that the Notes have not been registered under the Securities Act or with any securities regulatory authority of any jurisdiction and may not be offered or sold within the United States or to, or for the account or benefit of, U.S. persons except as set forth below.
- (3) It understands and agrees that Notes initially offered in the United States to qualified institutional buyers will be represented by one or more global notes and that Notes offered outside the United States in reliance on Regulation S will also be represented by one or more global notes.
- (4) It will not resell or otherwise transfer any of such Notes except (a) to us, (b) within the United States to a qualified institutional buyer in a transaction complying with Rule 144A under the Securities Act, (c) outside the United States to non-U.S. purchasers in offshore transactions in compliance with Rule 903 or 904 under the Securities Act, (d) pursuant to an exemption from registration under the Securities Act (if available) or (e) pursuant to an effective registration statement under the Securities Act.
- (5) It agrees that it will give to each person to whom it transfers the Notes notice of any restrictions on transfer of such Notes.
- (6) It acknowledges that prior to any proposed transfer of Notes (other than pursuant to an effective registration statement or in respect of Notes sold or transferred either pursuant to (a) Rule 144A or (b) Regulation S) the holder of such Notes may be required to provide certifications relating to the manner of such transfer as provided in the indentures.
- (7) It acknowledges that the trustee, registrar or transfer agent for the Notes will not be required to accept for registration transfer of any Notes acquired by it, except upon presentation of evidence satisfactory to us and the trustee, registrar or transfer agent that the restrictions set forth herein have been complied with.

- (8) If it is a non-U.S. purchaser acquiring a beneficial interest in a Regulation S global note offered pursuant to this Listing Memorandum.
- (9) It acknowledges that we and other persons will rely upon the truth and accuracy of the foregoing acknowledgements, representations and agreements and agrees that if any of the acknowledgements, representations and agreements deemed to have been made by its purchase of the Notes are no longer accurate, it will promptly notify us.
- (10) If it is acquiring the Notes as a fiduciary or agent for one or more investor accounts, it represents that it has sole investment discretion with respect to each such account and it has full power to make the foregoing acknowledgements, representations, and agreements on behalf of each account.

The following is the form of restrictive legend which will appear on the face of the restricted global note, and which will be used to notify transferees of the foregoing restrictions on transfer:

“THIS NOTE HAS NOT BEEN REGISTERED UNDER THE U.S. SECURITIES ACT OF 1933, AS AMENDED (THE “SECURITIES ACT”), OR ANY STATE OR ANY OTHER SECURITIES LAWS. THE HOLDER HEREOF, BY PURCHASING THIS NOTE, AGREES THAT THIS NOTE OR ANY INTEREST OR PARTICIPATION HEREIN MAY BE OFFERED, RESOLD, PLEDGED OR OTHERWISE TRANSFERRED ONLY (1) TO US, (2) SO LONG AS THIS NOTE IS ELIGIBLE FOR RESALE PURSUANT TO RULE 144A UNDER THE SECURITIES ACT (“RULE 144A”), TO A PERSON WHO THE SELLER REASONABLY BELIEVES IS A QUALIFIED INSTITUTIONAL BUYER (AS DEFINED IN RULE 144A) IN ACCORDANCE WITH RULE 144A, (3) IN AN OFFSHORE TRANSACTION IN ACCORDANCE WITH RULE 903 OR 904 OF REGULATION S UNDER THE SECURITIES ACT, (4) PURSUANT TO AN EXEMPTION FROM REGISTRATION UNDER THE SECURITIES ACT (IF AVAILABLE) OR (5) PURSUANT TO AN EFFECTIVE REGISTRATION STATEMENT UNDER THE SECURITIES ACT, AND IN EACH OF SUCH CASES IN ACCORDANCE WITH ANY APPLICABLE SECURITIES LAWS OF ANY STATE OF THE UNITED STATES OR OTHER APPLICABLE JURISDICTION. THE HOLDER HEREOF, BY PURCHASING THIS NOTE, REPRESENTS AND AGREES THAT IT WILL NOTIFY ANY PURCHASER OF THIS NOTE FROM IT OF THE RESALE RESTRICTIONS REFERRED TO ABOVE. AS USED HEREIN, THE TERMS “OFFSHORE TRANSACTION” AND “UNITED STATES” HAVE THE RESPECTIVE MEANINGS GIVEN TO THEM BY REGULATION S UNDER THE SECURITIES ACT.

THE FOREGOING LEGEND MAY BE REMOVED FROM THIS NOTE ONLY WITH THE CONSENT OF THE ISSUER.”

The following is the form of restrictive legend which will appear on the face of the Regulation S global note and which will be used to notify transferees of the foregoing restrictions on transfer:

“THIS NOTE HAS NOT BEEN REGISTERED UNDER THE U.S. SECURITIES ACT OF 1933, AS AMENDED (THE “SECURITIES ACT”), OR ANY OTHER SECURITIES LAWS. THE HOLDER HEREOF, BY PURCHASING THIS NOTE, AGREES THAT NEITHER THIS NOTE NOR ANY INTEREST OR PARTICIPATION HEREIN MAY BE OFFERED, RESOLD, PLEDGED OR OTHERWISE TRANSFERRED IN THE ABSENCE OF SUCH REGISTRATION UNLESS SUCH TRANSACTION IS EXEMPT FROM, OR NOT SUBJECT TO, SUCH REGISTRATION.

THE FOREGOING LEGEND MAY BE REMOVED FROM THIS NOTE AFTER 40 DAYS BEGINNING ON AND INCLUDING THE LATER OF (A) THE DATE ON WHICH THE NOTES ARE OFFERED TO PERSONS OTHER THAN DISTRIBUTORS (AS DEFINED IN REGULATION S UNDER THE SECURITIES ACT) AND (B) THE ORIGINAL ISSUE DATE OF THIS NOTE.”

For further discussion of the requirements (including the presentation of transfer certificates) under the indentures to effect exchanges or transfers of interest in global notes and certificated notes, see “Form of Notes, Clearance and Settlement.”

Other Jurisdictions

The distribution of this Listing Memorandum and the offer and sale or resale of the Notes may be restricted by law in certain jurisdictions. Persons into whose possession this Listing Memorandum comes are required by us to inform themselves about and to observe any such restrictions.

TAXATION

The following discussion summarizes certain U.S. federal income, Brazilian and Dutch tax considerations that may be relevant to the ownership and disposition of the Notes acquired at their original issue price. This summary does not describe all of the tax considerations that may be relevant to you or your situation, particularly if you are subject to special tax rules. You should consult your tax advisors about the tax consequences of holding the Notes, including the relevance to your particular situation of the considerations discussed below, as well as of any other tax laws. There currently are no income tax treaties between Brazil and the United States. Although Brazilian and U.S. tax authorities have had discussions that may culminate in such a treaty, we cannot make any assurances regarding whether or when such a treaty will enter into force or how it will affect holders of the Notes.

Certain U.S. Federal Income Tax Considerations

The following is a summary of certain U.S. federal income tax considerations that may be relevant to a beneficial owner of Notes. The summary does not address tax considerations applicable to investors that may be subject to special tax rules, such as banks or other financial institutions, tax-exempt entities, partnerships (or entities or arrangements treated as partnerships for U.S. federal income tax purposes) or partners therein, insurance companies, dealers in securities or currencies, traders in securities electing to mark to market, persons that will hold the Notes as a position in a “straddle” or conversion transaction, or as part of a “synthetic security” or other integrated financial transaction or persons that have a “functional currency” other than the U.S. dollar, and nonresident alien individuals present in the United States for 183 days or more during the taxable year. In addition, the discussion does not address the alternative minimum tax, the U.S. federal estate and gift tax, the Medicare tax on net investment income or other aspects of U.S. federal income or state and local taxation that may be relevant an investor. For purposes of this discussion, a “U.S. Holder” is a beneficial owner of a Note that is, for U.S. federal income tax purposes, a citizen or resident of the United States, a domestic corporation or an entity otherwise subject to U.S. federal income taxation on a net income basis in respect of the Notes. A “Non-U.S. Holder” is a beneficial owner of a Note that is not a U.S. Holder.

This summary is based on the Internal Revenue Code of 1986, as amended (the “Code”), existing, proposed and temporary U.S. Treasury regulations and judicial and administrative interpretations thereof, in each case as of the date hereof. All of the foregoing are subject to change (possibly with retroactive effect) or to differing interpretations, which could affect the U.S. federal income tax consequences described herein.

INVESTORS SHOULD CONSULT THEIR OWN TAX ADVISORS REGARDING THE TAX CONSEQUENCES OF THE ACQUISITION OWNERSHIP AND DISPOSITION OF THE NOTES, INCLUDING THE APPLICATION TO THEIR PARTICULAR CIRCUMSTANCES OF THE U.S. FEDERAL INCOME TAX CONSIDERATIONS DISCUSSED BELOW, AS WELL AS THE APPLICATION OF U.S. FEDERAL ESTATE, GIFT AND ALTERNATIVE MINIMUM TAX LAWS, THE MEDICARE TAX ON NET INVESTMENT INCOME, U.S. STATE AND LOCAL TAX LAWS AND FOREIGN TAX LAWS.

U.S. Holders that use an accrual method of accounting for tax purposes (“accrual method holders”) generally are required to include certain amounts in income no later than the time such amounts are reflected on certain financial statements (the “book/tax conformity rule”). The application of the book/tax conformity rule thus may require the accrual of income earlier than would be the case under the general tax rules described below. It is not entirely clear to what types of income the book/tax conformity rule applies, or, in some cases, how the rule is to be applied if it is applicable. However, recently released proposed regulations generally would exclude, among other items, original issue discount and market discount (in either case, whether or not *de minimis*) from the applicability of the book/tax conformity rule. Although the proposed regulations generally will not be effective until taxable years beginning after the date on which they are issued in final form, taxpayers generally are permitted to elect to rely on their provisions currently. Accrual method holders should consult with their tax advisors regarding the potential applicability of the book/tax conformity rule to their particular situation.

Payments of Interest and Additional Amounts

Payments of interest on the Notes (which may include additional amounts) generally will be taxable to a U.S. Holder as ordinary interest income when such interest is accrued or received, in accordance with the U.S.

Holder's regular method of accounting for U.S. federal income tax purposes. We expect, and the rest of this discussion assumes, that the Notes will not be issued with original issue discount ("OID") for U.S. federal income tax purposes. If the Notes are issued with OID, U.S. Holders generally must accrue OID in gross income over the term of the Notes on a constant yield to maturity basis, regardless of their regular method of tax accounting or when they receive cash attributable to that income.

Interest income (including additional amounts) in respect of the Notes generally will constitute foreign-source income for purposes of computing the foreign tax credit allowable under the U.S. federal income tax laws. The limitation on foreign income taxes eligible for credit is calculated separately with respect to specific classes of income. Such income generally will constitute "passive category income" for foreign tax credit purposes for most U.S. Holders. The calculation and availability of foreign tax credits and, in the case of a U.S. Holder that elects to deduct all foreign income taxes for that taxable year, the availability of such deduction involves the application of complex rules that depend on the U.S. Holder's particular circumstances. In addition, foreign tax credits generally will not be allowed for certain short-term or hedged positions in the Notes.

U.S. Holders should consult their own tax advisors regarding the availability of foreign tax credits or deductions in respect of foreign taxes and the treatment of additional amounts.

Sale or Other Disposition of Notes

A U.S. Holder generally will recognize gain or loss equal to the difference between the amount realized on the disposition (less any accrued interest, which will be subject to tax as such) and the holder's adjusted tax basis in the Note at the time of the disposition. A U.S. Holder's adjusted tax basis in a Note equal such U.S. Holder's purchase price of the Note. Subject to the market discount discussion below, any gain or loss generally will be U.S. source capital gain or loss. Any capital gain or loss recognized upon disposition of a Note will be long-term capital gain or loss if the U.S. Holder's holding period for the New Note exceeded one year at the time of the disposition. Certain non-corporate U.S. Holders are eligible for preferential rates of U.S. federal income taxation in respect of long-term capital gains. The ability of a U.S. Holder to deduct a capital loss is subject to limitations under the Code.

Gain or loss recognized by a U.S. Holder generally will be U.S.-source gain or loss. Consequently, if any such gain is subject to foreign withholding tax, a U.S. Holder may not be able to credit the tax against its U.S. federal income tax liability unless such credit can be applied (subject to the applicable limitation) against tax due on other income treated as derived from foreign sources. U.S. Holders should consult their own tax advisors as to the foreign tax credit implications of a disposition of the Notes.

Tax Consequences to Non-U.S. Holders

U.S. Tax Consequences of Holding Notes

Subject to the discussions below under "*Information Reporting and Backup Withholding*," a Non-U.S. Holder generally will not be subject to U.S. federal income or withholding tax on interest income earned in respect of Notes or gain recognized on a sale, exchange, or other disposition of Notes.

Specified Foreign Financial Assets

Certain U.S. Holders that own "specified foreign financial assets" with an aggregate value in excess of US\$50,000 are generally required to file an information statement along with their tax returns, currently on Form 8938, with respect to such assets. "Specified foreign financial assets" include any financial accounts held at a non-U.S. financial institution, as well as securities issued by a non-U.S. issuer (which would include the Notes) that are not held in accounts maintained by financial institutions. Higher reporting thresholds apply to certain individuals living abroad and to certain married individuals. Regulations extend this reporting requirement to certain entities that are treated as formed or availed of to hold direct or indirect interests in specified foreign financial assets based on certain objective criteria. U.S. Holders who fail to report the required information could be subject to substantial penalties. In addition, the statute of limitations for assessment of tax would be suspended, in whole or in part. Prospective investors should consult their own tax advisors concerning the application of these rules to their investment in the Notes, including the application of the rules to their particular circumstances.

Information Reporting and Backup Withholding

Payments of interest on the Notes and proceeds from the sale or other taxable disposition (including retirement or redemption) of the Notes that are paid within the United States or through certain U.S.-related financial intermediaries are subject to information reporting, and may be subject to backup withholding, unless the U.S. Holder (i) is a corporation (other than an S corporation) or other exempt recipient, and demonstrates this fact when so required, or (ii) provides a correct taxpayer identification number, certifies that it is not subject to backup withholding and otherwise complies with applicable requirements of the backup withholding rules. The amount of any backup withholding collected from a payment to a U.S. Holder will be allowed as a credit against the U.S. Holder's U.S. federal income tax liability, and may entitle the U.S. Holder to a refund, *provided that* certain required information is timely furnished to the IRS.

Although Non-U.S. Holders generally are exempt from backup withholding, a Non-U.S. Holder may, in certain circumstances, be required to comply with certification procedures to prove entitlement to this exemption.

Brazilian Tax Considerations

The following discussion is a summary of the Brazilian tax considerations relating to an investment in the Notes by a non-resident of Brazil. This discussion is based on the tax laws of Brazil as in effect on the date of this Listing Memorandum and is subject to any change in Brazilian law that may come into effect after such date. The information set forth below is intended to be a general discussion only and does not address all possible tax consequences relating to an investment in the Notes.

PROSPECTIVE INVESTORS SHOULD CONSULT THEIR OWN TAX ADVISERS AS TO THE CONSEQUENCES OF PURCHASING THE NOTES, INCLUDING, WITHOUT LIMITATION, THE CONSEQUENCES OF THE RECEIPT OF INTEREST AND THE SALE OR OTHER DISPOSITION OF THE NOTES OR COUPONS.

Payments in Respect of the Notes, and Sale or Other Disposition of Notes

Generally, an individual, entity, trust or organization that is domiciled for tax purposes outside Brazil (a "Non-Resident") is subject to income tax in Brazil only when income is derived from a Brazilian source or when the transaction giving rise to such earnings involves assets located in Brazil. Therefore, based on the fact that PGF is considered to be domiciled abroad for tax purposes, any interest, gains, fees, commissions, expenses and any other income paid by PGF in respect of the Notes it issues to Non-Resident holders should not be subject to withholding or deduction in respect of Brazilian income tax or any other taxes, duties, assessments or governmental charges in Brazil, provided that such payments are made by PGF with funds held outside of Brazil.

Any capital gains generated outside Brazil as a result of a transaction between two Non-Resident holders with respect to assets not located in Brazil are generally not subject to tax in Brazil. If the assets are located in Brazil, then capital gains realized thereon are subject to income tax, according to Law No. 10,833, enacted on December 29, 2003. Since the Notes will be issued by a legal entity incorporated outside of Brazil and registered abroad, the Notes should not fall within the definition of assets located in Brazil for purposes of Law No. 10,833, gains realized on the sale or other disposition of the Notes made outside Brazil by a Non-Resident holder to another Non-Resident should not be subject to Brazilian taxes. However, considering the general and unclear scope of this legislation and the absence of judicial guidance in respect thereof, we cannot assure prospective investors that such interpretation of this law will prevail in the courts of Brazil. If the income tax is deemed to be due, the gains may be subject to income tax in Brazil, effective as from January 1, 2017, at progressive rates as follows: (i) 15% for the part of the gain that does not exceed R\$5 million, (ii) 17.5% for the part of the gain that exceeds R\$5 million but does not exceed R\$10 million, (iii) 20% for the part of the gain that exceeds R\$10 million but does not exceed R\$30 million and (iv) 22.5% for the part of the gain that exceeds R\$30 million; or 25.0% if such Non-Resident holder is located in a Low or Nil Tax Jurisdiction as it will be further detailed below. A lower rate, however, may apply under an applicable tax treaty between Brazil and the country where the Non-Resident holder has its domicile.

Payments Made by Petrobras as Guarantor

In the event PGF fails to timely pay any due amount, including any payment of principal, interest or any other amount that may be due and payable in respect of the Notes, the guarantor will be required to assume the obligation to pay such due amounts. As there is no specific legal provision dealing with the imposition of withholding income tax on payments made by Brazilian sources to Non-Resident beneficiaries under guarantees and no uniform decision from the Brazilian courts, there is a risk that tax authorities will take the position that the funds remitted by the guarantor to the Non-Resident holders may be subject to the imposition of withholding income tax at a general 15% rate, or at a 25% rate, if the Non-Resident holder is located in a Low or Nil Tax Jurisdiction. Arguments exist to sustain that (a) payments made under the guarantee structure should be subject to imposition of withholding income tax according to the nature of the guaranteed payment, in which case only interest and fees should be subject to taxation at a rate of 15%, or 25%, in cases of beneficiaries located in Low or Nil Tax Jurisdictions, as defined by the Brazilian legislation; or (b) payments made under guarantee by Brazilian sources to Non-Resident beneficiaries should not be subject to the imposition of withholding income tax, to the extent that they should qualify as a credit transaction by the Brazilian party to the borrower. The imposition of withholding income tax under these circumstances has not been settled by the Brazilian courts.

If the payments with respect to the Notes are made by Petrobras as a guarantor, then Non-Resident holders will be indemnified so that, after payment of applicable Brazilian taxes imposed by deductions or withholding with respect to principal or interest payable with respect to the Notes, subject to certain exceptions, as mentioned in “Description of the Notes—Covenants—Additional Amounts,” a Non-Resident holder will receive an amount equal to the amount that such Non-Resident holder would have received if no such taxes were imposed. See “Description of the Notes—Covenants—Additional Amounts.”

Discussion on Low or Nil Tax Jurisdictions

According to Law No. 9,430, dated December 27, 1996, as amended, a Low or Nil Tax Jurisdiction is a country or location that (i) does not impose taxation on income, (ii) imposes income tax at a maximum rate lower than 20% or (iii) imposes restrictions on the disclosure of shareholding composition or the ownership of the investment.

Additionally, on June 24, 2008, Law No. 11,727/08 created the concept of Privileged Tax Regimes, which encompasses the countries and jurisdictions that (i) do not tax income or tax it at a maximum rate lower than 20%; (ii) grant tax advantages to a Non-Resident entity or individual (a) without the need to carry out a substantial economic activity in the country or a said territory or (b) conditioned to the non-exercise of a substantial economic activity in the country or a said territory; (iii) do not tax proceeds generated abroad or tax them at a maximum rate lower than 20% or (iv) restrict disclosure about the ownership of assets and ownership rights or restrict disclosure about economic transactions carried out.

On November 28, 2014, the Brazilian tax authorities issued Ordinance 488, which decreased, from 20% to 17%, the minimum threshold for certain specific cases. The reduced 17% threshold applies only to countries and regimes aligned with international standards of fiscal transparency in accordance with rules to be established by the Brazilian tax authorities.

We consider that the best interpretation of the current Brazilian tax legislation, especially in regard to the abovementioned Law 11,727/08, should lead to the conclusion that the concept of Privileged Tax Regimes should only apply for certain Brazilian tax purposes, such as transfer pricing and thin capitalization rules. According to this interpretation, the concept of Privileged Tax Regimes should not be applied in connection with the taxation of payments related to the Notes to Non-Residents. Regulations and non-binding tax rulings issued by Brazilian federal tax authorities seem to confirm this interpretation.

Notwithstanding the fact that such “privileged tax regime” concept was enacted in connection with transfer pricing rules and is also applicable to thin capitalization and cross-border interest deductibility rules, Brazilian tax authorities may take the position that such Privileged Tax Regime definition also applies to other types of transactions.

In the event that the privileged tax regime concept is interpreted to be applicable to transactions such as payments related to the Notes to Non-Residents, this tax law would accordingly result in the imposition of taxation to a Non-Resident that meets the privileged tax regime requirements in the same way applicable to a resident located in a Low or Nil Tax Jurisdiction. Prospective investors should therefore consult with their own tax advisors regarding the consequences of the implementation of Law No. 11,727, Normative Instruction No. 1,037/2010, as amended, and of any related Brazilian tax laws or regulations concerning Low or Nil Tax Jurisdictions and Privileged Tax Regimes.

Other Tax Considerations

Brazilian law imposes a Tax on Foreign Exchange Transactions (*Imposto sobre Operações de Crédito, Câmbio e Seguro, ou relativas a Títulos e Valores Mobiliários*), or IOF/Exchange, due on the conversion of reais into foreign currency and on the conversion of foreign currency into reais. Currently, the IOF/Exchange rate for almost all foreign currency exchange transactions is 0.38%. According to Section 15-B of the Decree No. 6,306, as amended, the settlement of exchange transactions in connection with foreign financing or loans, for both inflow and outflow of proceeds into and from Brazil, are subject to IOF/Exchange at a 0% rate. Currently, in the case of the settlement of foreign exchange transactions (including simultaneous foreign exchange transactions), in connection with the inflow of proceeds to Brazil deriving from foreign loans, including those obtained through the issuance of notes in the international market, with the minimum average term not exceeding 180 days, the IOF/Exchange tax rate is 6% (this rate of 6% will be levied with penalties and interest in the case of financings or international bonds with a minimum average term longer than 180 days in which an early redemption occurs in the first 180 days). The Brazilian government is permitted to increase this rate at any time up to 25.0%. Any such increase in rates may only apply to future transactions.

In addition, the Brazilian tax authorities could argue that a Tax on Loan Transactions (*Imposto sobre Operações de Crédito, Câmbio e Seguro, ou relativas a Títulos e Valores Mobiliários*), or IOF/Credit, due on loan transactions could be imposed upon any amount paid in respect of the Notes by the guarantor under the guarantee given at a rate of up to 1.88% of the total amount paid.

Generally, there are no inheritance, gift, succession, stamp, or other similar taxes in Brazil with respect to the ownership, transfer, assignment or other disposition of the Notes by a Non-Resident, except for gift and inheritance taxes imposed by some Brazilian states on gifts or bequests by individuals or entities not domiciled or residing in Brazil to individuals or entities domiciled or residing within such states.”

Dutch Tax Considerations

The following describes certain Dutch tax consequences for a holder who is neither a resident nor deemed to be a resident of The Netherlands for Dutch tax purposes in respect of the ownership, acquisition and disposal of the Notes. For the purpose of this section, “Dutch Taxes” shall mean taxes of whatever nature levied by or on behalf of The Netherlands or any of its subdivisions or taxing authorities. The Netherlands means the part of the Kingdom of The Netherlands located in Europe.

This section is intended as general information only, does not constitute tax or legal advice and it does not purport to describe all possible Dutch tax considerations or consequences that may be relevant to a holder and therefore should be treated with appropriate caution. Accordingly, each holder should consult its own tax advisor with regard to the application of Dutch tax laws to its particular situation.

This overview is based on the laws of The Netherlands currently in force and as applied on the date of this Offer to Exchange, which are subject to change, possibly also with retroactive or retrospective effect. PGF has not sought any ruling from the Dutch tax authorities (*belastingdienst*) with respect to the statements made and the conclusions reached in this discussion, and there can be no assurance that the Dutch tax authorities will agree with such statements and conclusions.

For Dutch tax purposes, a holder of Notes may include, without limitation:

- an owner of one or more Notes who, in addition to the legal title to such Notes, has an economic interest in such Notes,
- a person or an entity that holds the entire economic interest in one or more Notes,
- a person or an entity that holds an interest in an entity, such as a partnership or a mutual fund, that is transparent for Dutch tax purposes, the assets of which comprise one or more Notes, and
- a person who is deemed to hold an interest in Notes, as referred to under any of the above, pursuant to the attribution rules of article 2.14a, of the Dutch Income Tax Act 2001, with respect to property that has been segregated, for example, in a trust or a foundation.

This section does not describe all the possible Dutch tax consequences that may be relevant to the holder of Notes who receives or has received any benefits from these Notes as employment income, deemed employment income or otherwise as compensation.

Dutch Individual and Corporate Income Tax

A holder of Notes will not be treated as a resident of The Netherlands by reason only of the holding of a Note or the execution, performance, delivery and/or enforcement of the Notes.

A holder who is not a resident of The Netherlands, nor deemed to be a resident, is not taxable on any gain or income derived from the Notes and capital gains realized upon the disposal or redemption of the Notes, except if:

- such holder derives profits from an enterprise, whether as entrepreneur (*ondernemer*) or pursuant to a co-entitlement to the net worth of the enterprise, other than as an entrepreneur or a shareholder, which enterprise is, in whole or in part, carried on through a permanent establishment (*vaste inrichting*) or a permanent representative (*vaste vertegenwoordiger*) that is taxable in The Netherlands, to which the Notes are attributable;
- the holder is an individual and derives benefits from miscellaneous activities (*overige werkzaamheden*) carried out in The Netherlands in respect of the Notes, including without limitation activities which are beyond the scope of active portfolio investment activities;
- the holder is not an individual and is entitled to a share in the profits of an enterprise or a co-entitlement to the net worth of an enterprise, which is effectively managed in The Netherlands, other than by way of securities, and to which enterprise the Notes are attributable; or
- if the Holder is an individual and is entitled to a share in the profits of an enterprise that is effectively managed in The Netherlands, other than by way of securities, and to which enterprise the Notes are attributable.

Dutch Withholding Tax

All payments of interest and principal by PGF under the Notes and Notes and can be made free of withholding or deduction for any taxes of any nature imposed, levied, withheld or assessed by The Netherlands or any political subdivision or taxing authority thereof or therein, except where Notes (i) are issued under such terms and conditions that such Notes are capable of being classified as equity of PGF for Dutch tax purposes or (ii) actually function as equity of the PGF within the meaning of article 10, paragraph 1, letter d, of the Dutch Corporate Income Tax Act 1969 or (iii) that are redeemable in exchange for, convertible into or linked to shares or other equity instruments issued or to be issued by PGF or by any entity related to PGF. These three exceptions do not apply here.

Other Taxes and Duties

No other Dutch taxes, including turnover tax and taxes of a documentary nature, such as capital tax, stamp or registration tax or duty, are payable in The Netherlands by or on behalf of a holder of the Notes by reason only of the purchase, ownership and disposal of the Notes.

Common Reporting Standard

The common reporting standard framework was first released by the OECD in February 2014 as a result of the G20 members endorsing a global model of automatic exchange of information in order to increase international tax transparency. On July 21, 2014, the Standard for Automatic Exchange of Financial Account Information in Tax Matters was published by the OECD and this includes the Common Reporting Standard (the “CRS”).

As of June 25, 2019, 106 jurisdictions, including The Netherlands, have signed the multilateral competent authority agreement, which is a multilateral framework agreement to automatically exchange financial and personal information, with the subsequent bilateral exchanges coming into effect between those signatories that file the subsequent notifications. More than 40 jurisdictions, including The Netherlands, have committed to a specific and ambitious timetable leading to the first automatic exchanges in 2017 (early adopters). Under CRS, financial institutions resident in a CRS country would be required to report, according to a due diligence standard, account balance or value, income from certain insurance products, sales proceeds from financial assets and other income generated with respect to assets held in the account or payments made with respect to the account. Reportable accounts include accounts held by individuals and entities (which include trusts and foundations) with tax residency in another CRS country. CRS includes a requirement to look through passive entities to report on the relevant controlling persons.

As of January 1, 2016, CRS and European Union Council Directive 2014/107/EU have been implemented in Dutch law. As a result, PGF will be required to comply with identification obligations (if any) starting in 2016, with reporting set to begin in 2017. Holders Notes may be required to provide additional information to PGF to enable it to satisfy any identification obligations under the Dutch implementation of the CRS. Prospective holders of the Notes are advised to seek their own professional advice in relation to the CRS and European Union Council Directive 2014/107/EU.

NOTICE TO CERTAIN NON-U.S. HOLDERS

General

No action has been or will be taken in any jurisdiction by PGF that would, or is intended to, permit a public offering of the Notes, or possession or distribution of this Listing Memorandum or any other offering material, in any country or jurisdiction where action for that purpose is required. Persons outside the United States into whose hands this Listing Memorandum comes are required by PGF to comply with all applicable laws and regulations in each country or jurisdiction in which they purchase, offer, sell or deliver Notes or have in their possession, distribute or publish this Listing Memorandum or any other offering material relating to the Notes, in all cases at their own expense.

European Economic Area

This Listing Memorandum has been prepared on the basis that any offer of Notes in any Member State of the European Economic Area (“EEA”) will be made pursuant to an exemption under the Prospectus Regulation from the requirement to publish a prospectus for offers of Notes. Accordingly, any person making or intending to make an offer in the EEA of Notes which are the subject of the offers contemplated in this Listing Memorandum may only do so in circumstances in which no obligation arises for PGF or Petrobras to publish a prospectus pursuant to Article 3 of the Prospectus Regulation in relation to such offer. Neither PGF nor Petrobras has authorized, nor do they authorize, the making of any offer of Notes in circumstances in which an obligation arises for PGF or Petrobras to publish a prospectus for such offer.

The Notes are not intended to be offered, sold or otherwise made available to and should not be offered, sold or otherwise made available to any retail investor in the EEA. For these purposes, (a) a retail investor means a person who is one (or more) of: (i) a retail client as defined in point (11) of Article 4(1) of MiFID II; or (ii) a customer within the meaning of the Insurance Distribution Directive, where that customer would not qualify as a professional client as defined in point (10) of Article 4(1) of MiFID II; or (iii) not a qualified investor as defined in the Prospectus Regulation (a “Qualified Investor”), and (b) the expression “offer” includes the communication in any form and by any means of sufficient information on the terms of the offer and the Notes to be offered so as to enable an investor to decide to purchase or subscribe for the Notes. Consequently, no key information document required by Regulation (EU) No 1286/2014 (as amended, the “PRIIPs Regulation”) for offering or selling the Notes or otherwise making them available to retail investors in the EEA has been prepared and therefore offering or selling the Notes or otherwise making them available to any retail investor in the EEA may be unlawful under the PRIIPs Regulation.

Each person in a Member State of the EEA who receives any communication in respect of, or who acquires any Notes under, the offers to the public contemplated in this Listing Memorandum, or to whom the Notes are otherwise made available, will be deemed to have represented, warranted and agreed to and with each PGF and Petrobras that it and any person on whose behalf it acquires Notes is:

- (a) a Qualified Investor; and
- (b) not a “retail investor” as defined above.

Solely for the purposes of the manufacturer’s product approval process, the target market assessment in respect of the Notes has led to the conclusion that: (i) the target market for the Notes is eligible counterparties and professional clients only, each as defined in MiFID II; and (ii) all channels for distribution of the Notes to eligible counterparties and professional clients are appropriate. Any person subsequently offering, selling or recommending the Notes (a “distributor”) should take into consideration the manufacturer’s target market assessment; however, a distributor subject to MiFID II is responsible for undertaking its own target market assessment in respect of the

Notes (by either adopting or refining the manufacturer's target market assessment) and determining appropriate distribution channels.

These selling restrictions are in addition to any other selling restrictions set out in this Listing Memorandum.

United Kingdom

This Listing Memorandum may only be distributed or caused to be distributed to: (i) persons who are outside the United Kingdom; (ii) persons who have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"); (iii) persons falling within Articles 49(2)(a) to (d) ("high net worth companies, unincorporated associations, etc.") of the Financial Promotion Order; or (iv) persons to whom an invitation or inducement to engage in investment activity (within the meaning of Section 21 of the Financial Services and Markets Act 2000 (as amended, the "FSMA")) in connection with the issue or sale of Notes may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This Listing Memorandum is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this Listing Memorandum relates is available only to relevant persons and will be engaged in only with relevant persons.

The Netherlands

This Listing Memorandum has not been and will not be approved as a prospectus for the purposes of the Prospectus Regulation by the Netherlands Authority for the Financial Markets (Autoriteit Financiële Markten). The Notes will only be offered and subsequently transferred to qualified investors (gekwalificeerde beleggers) as defined in Article 1:1 of the Dutch Act on Financial Supervision (Wet op het Financieel Toezicht).

DIFFICULTIES OF ENFORCING CIVIL LIABILITIES AGAINST NON-U.S. PERSONS

Petrobras

Petrobras is a *sociedade de economia mista* (mixed-capital company), a public sector company with some private sector ownership, established under the laws of Brazil. All of its executive officers and directors and certain advisors named herein reside in Brazil. In addition, substantially all of its assets and those of its executive officers, directors and certain advisors named herein are located in Brazil. As a result, it may not be possible for investors to effect service of process upon Petrobras or its executive officers, directors and advisors named herein within the United States or other jurisdictions outside Brazil or to enforce against Petrobras or its executive officers, directors and advisors named herein judgments obtained in the United States or other jurisdictions outside Brazil. In addition, it may not be possible for you to enforce a judgment of a United States court for civil liability based upon the United States federal securities laws against any of those persons outside the United States.

Ms. Taísa Oliveira Maciel, Petrobras's general counsel, has advised Petrobras that, subject to the requirements described below, judgments of United States courts for civil liabilities based upon the United States federal securities laws may be enforced in Brazil. A judgment against Petrobras or the other persons described above obtained outside Brazil would be enforceable in Brazil, without reconsideration of the merits, only if the judgment satisfies certain requirements and receives confirmation from the Brazilian Superior Court of Justice (*Superior Tribunal de Justiça*). The foreign judgment will only be confirmed if:

- it fulfills all formalities required for its enforceability under the laws of the country where the foreign judgment is granted;
- it is for the payment of a sum certain of money;
- it was issued by a competent court in the jurisdiction where the judgment was awarded after service of process was properly made in accordance with applicable law;
- it is not subject to appeal;
- it must be apostilled by a competent authority of the State from which the document emanates according to the Hague Convention of 5 October 1961 Abolishing the Requirement of Legalisation for Foreign Public Documents or, if such State is not signatory of the Hague Convention, it must be duly authenticated by a competent Brazilian consulate;
- it is authenticated by a Brazilian consular office in the country where it was issued, and is accompanied by a sworn translation into Portuguese, unless an exemption is provided by an international treaty to which Brazil is a signatory; and
- it is not contrary to Brazilian national sovereignty, public policy or good morals.

Notwithstanding the foregoing, no assurance can be given that such confirmation would be obtained, that the process described above could be conducted in a timely manner or that a Brazilian court would enforce a monetary judgment for violation of the U.S. securities laws with respect to any securities issued by Petrobras.

Ms. Taísa Oliveira Maciel has also advised Petrobras that:

- original actions based on the U.S. federal securities laws may be brought in Brazilian courts and that, subject to Brazilian public policy and national sovereignty, Brazilian courts may enforce liabilities in such actions against Petrobras, certain of its directors and officers and the advisors named herein;
- if an investor resides outside Brazil and owns no real property in Brazil, he or she must provide a bond sufficient to guarantee court costs and legal fees, including the defendant's attorneys' fees, as determined by the Brazilian court, in connection with litigation in Brazil, except: (1) when an exemption is provided by an international agreement or treaty that Brazil is a signatory; (2) in the case of claims for collection on a *título executivo extrajudicial* (an instrument which may be enforced in

Brazilian courts without a review on the merits), in the case of the enforcement of a foreign judgment which has been confirmed by the Brazilian Superior Court of Justice; or (3) counterclaims as established, according to Article 83 of the Brazilian Code of Civil Procedure (*Código de Processo Civil*);

- Brazilian law limits an investor's ability as a judgment creditor of Petrobras to satisfy a judgment against Petrobras by attaching its gas and oil reserves, as Petrobras does not own any of the crude oil and natural gas reserves in Brazil. Under Brazilian law, the Brazilian government owns all crude oil and natural gas reserves in Brazil;
- a law has been enacted in Brazil to regulate judicial and extrajudicial reorganization and liquidation of business companies. Such law revoked the previous Brazilian Bankruptcy law. The new law is not applicable to mixed capital companies, such as Petrobras, and does not provide whether the federal government of Brazil is liable for Petrobras's obligations in the event of bankruptcy; and
- certain of Petrobras's exploration and production assets may be subject to reversion to the Brazilian government under Petrobras's concession agreements. Such assets, under certain circumstances, may not be subject to attachment or execution.

PGF

PGF is duly incorporated as a private limited liability company (*besloten vennootschap met beperkte aansprakelijkheid*) under the laws of The Netherlands. All of the directors of PGF reside outside the United States. PGF has no assets and all or a substantial portion of the assets of PGF's directors are located outside of the United States. As a result, it may be difficult for investors to effect service of process within the United States upon PGF or such persons or to enforce, in the United States courts, judgment against PGF or such persons or judgments obtained in such courts predicated upon the civil liability provisions of the federal securities laws of the United States.

PGF has been advised by its special Dutch counsel, Hogan Lovells International LLP, that a judgment rendered by a court in New York, or a "Foreign Court," will not be recognized and enforced by the courts of The Netherlands for the reason that the United States and The Netherlands currently do not have a treaty providing for the reciprocal recognition and enforcement of judgments (other than arbitration awards) in civil and commercial matters. If a person has obtained a final and conclusive judgment for the payment of money rendered by the Foreign Court which is enforceable in the United States, or a "Foreign Judgment," the person will be required to file its claim with the court of competent jurisdiction in The Netherlands. Such party may submit to the Dutch court the final judgement rendered by the U.S. court. The Dutch court will have discretion to attach such weight to this final judgment as it deems appropriate. The Dutch court can be expected to adjudicate substantial importance to such judgment without full re-examination or full re-litigation of the substantive matters adjudicated thereby (*marginale toetsing*), to the extent (i) the U.S. court had jurisdiction in the matter in accordance with standards which are generally accepted internationally, (ii) the proceedings before such court have complied with the principles proper procedure and fair trial, (iii) the judgment is final and conclusive in such a way that all appeals have been exhausted and no other remedy could be obtained from a competent judicial body, (iv) such judgment does not conflict with the public policy (*openbare orde*) of The Netherlands and (v) such judgment is not incompatible with a judgment given between the same parties by a Dutch Court or with a prior judgment given between the same parties by a foreign court in a dispute concerning the same subject matter and based on the same cause of action, provided such prior judgment is recognisable in The Netherlands. The enforcement in a Dutch court of judgments rendered by a court in the United States is subject to the Dutch rules of civil procedure. Judgments may be rendered in a foreign currency but enforcement is executed in Euro at the applicable rate of exchange. Enforcement of obligations in The Netherlands will be subject to the nature of remedies available in the Dutch courts. The taking of current proceedings in more than one jurisdiction may be disallowed by the Dutch courts, but such courts have the power to stay proceedings if concurrent proceedings are being brought elsewhere.

Subject to the foregoing and service of process in accordance with applicable treaties and rules, investors may be able to enforce in The Netherlands judgments in civil and commercial matters obtained from U.S. federal or state courts. However, no assurance can be given that those judgments will be enforceable and, in particular, awards of punitive damages in actions brought in the United States or elsewhere may be unenforceable in the Netherlands. In addition, there can be no assurance that a Dutch court would accept jurisdiction and impose civil liability in an original action commenced in The Netherlands and predicated solely upon U.S. federal securities laws.

LEGAL MATTERS

Hogan Lovells International LLP, special Dutch counsel for PGF, has passed upon the validity of the Notes and the indenture for PGF as to certain matters of Dutch law. Petrobras's general counsel or acting general counsel has passed upon, for PGF and Petrobras, certain matters of Brazilian law relating to the Notes, the indenture and the guaranty. The validity of the Notes, the indenture and the guaranty has been passed upon for PGF and Petrobras by Cleary Gottlieb Steen & Hamilton LLP as to certain matters of New York law.

EXPERTS

Certain oil and gas reserve data incorporated herein by reference to the 2018 Form 20-F were reviewed by DeGolyer and MacNaughton as indicated therein, in reliance upon the authority of such firm as expert in estimating proved oil and gas reserves.

INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

With respect to the unaudited consolidated interim financial information of Petrobras as of June 30, 2019 and for the six-month periods ended June 30, 2019 and 2018, incorporated by reference herein, KPMG Auditores Independientes, an independent registered public accounting firm, reported that they have applied limited procedures in accordance with professional standards for a review of such information. However, their separate report included in the Petrobras Form 6-K furnished to the SEC on August 5, 2019 and incorporated by reference herein, states that they did not audit and they do not express an opinion on that unaudited consolidated interim financial information. Accordingly, the degree of reliance on their report on such information should be restricted in light of the limited nature of the review procedures applied.

The consolidated financial statements of Petrobras as of December 31, 2018 and 2017, and for each of the years in the two-year period ended December 31, 2018, incorporated herein by reference to the 2018 Form 20-F, and the effectiveness of internal control over financial reporting as of December 31, 2018, have been audited by KPMG Auditores Independientes, independent registered public accounting firm, as stated in their report also incorporated by reference herein.

The consolidated financial statements for the year ended December 31, 2016 incorporated in this Listing Memorandum by reference to the 2018 Form 20-F have been audited by PricewaterhouseCoopers Auditores Independientes, an independent registered public accounting firm, given on the authority of said firm as experts in auditing and accounting.

LISTING AND GENERAL INFORMATION

1. PGF has applied to have the Notes listed on the Official List of the Luxembourg Stock Exchange and to trading on the EuroMTF Market of the Luxembourg Stock Exchange.
2. The Notes have been accepted for clearance and settlement through DTC, Euroclear and Clearstream. The CUSIP, ISIN numbers, and Common Codes for the Notes are as follows:

	<u>Restricted Global Note</u>	<u>Regulation S Global Note</u>
2030 Notes		
CUSIP.....	71647N BF5	N6945A AL1
ISIN.....	US71647NBF50	USN6945AAL19
Common		
Codes.....	205653902	205518975

3. We have obtained all necessary consents, approvals and authorizations in connection with the issuance and performance of the Notes. Resolutions of PGF's board of managing directors, dated September 6, 2019, authorized the issuance of the Notes. Resolutions of Petrobras's board of directors, dated December 18, 2018, authorized the execution and delivery of the guarantees.
4. Except as disclosed in this Listing Memorandum, including the documents incorporated by reference herein, since June 30, 2019, there has been no material adverse change (or any development or event involving a prospective change of which we are or might reasonably be expected to be aware) which is materially adverse to Petrobras's financial condition and that of its subsidiaries taken as a whole.
5. Except as described in this Listing Memorandum, including the documents incorporated by reference herein, there are no pending actions, suits or proceedings against or affecting Petrobras or any of its subsidiaries or any of its respective properties, which, if determined adversely to Petrobras or any such subsidiary, would individually or in the aggregate have an adverse effect on its financial condition and that of its subsidiaries taken as a whole or would adversely affect its ability to perform its obligations under the Notes or which are otherwise material in the context of the issue of the Notes, and, to the best of our knowledge, no such actions, suits or proceedings are threatened.
6. The Notes will be fully and unconditionally guaranteed by Petrobras.
7. For so long as any of the Notes are outstanding and admitted for listing on the official list of the Luxembourg Stock Exchange and to trading on the Euro MTF market, copies of the following items in English will be available at the expense of PGF from The Bank of New York Mellon, at its office at 240 Greenwich Street, 7E, New York, New York 10286:
 - Petrobras's audited consolidated financial statements as of and for the years ended December 31, 2018, 2017 and 2016, and the related notes thereto.
 - Petrobras's unaudited consolidated financial statements as of June 30, 2019 and for the six month periods ended June 30, 2019 and 2018, and the related notes thereto.

For so long as any of the Notes are outstanding and admitted for listing on the official list of the Luxembourg Stock Exchange and to trading on the Euro MTF market, copies of the current annual financial statements and unaudited financial information of Petrobras may be obtained from The Bank of New York Mellon and The Bank of New York Mellon SA/NV, Luxembourg Branch. Petrobras currently publishes its unaudited financial information on a quarterly basis.

During the same period, the indentures, the guaranties, a copy of PGF's articles of association and Petrobras' by-laws will be available at the offices of The Bank of New York Mellon and The Bank of New York Mellon SA/NV, Luxembourg Branch.

The laws of the jurisdiction of PGF's incorporation (currently The Netherlands) require PGF to prepare and publish its annual financial statements. Such annual financial statements will be audited to the extent required by Title 9 of Book 2 of the Dutch Civil Code. PGF has prepared and published its 2018 and 2017 financial statements and its 2017 and 2016 financial statements, and they have been filed with the trade register held by the Chamber of Commerce Rotterdam and are hereby incorporated by reference into this Listing Memorandum. Copies of PGF's annual financial statements in English have been and will continue to be provided to, and may be obtained at, the registered office of the The Bank of New York Mellon SA/NV, Luxembourg Branch, in accordance with the indentures. PGF is not required to and does not prepare interim financial statements.

In connection with the offering of the Notes in the United States, PGF is not required to provide financial information in this Listing Memorandum, or prepare any periodic financial statements in the future, pursuant to Rule 3-10(b) of Regulation S-X of the SEC and Rule 12h-5 under the Exchange Act.

8. PGF's registered office is located at Weena 762, 3014 DA Rotterdam, The Netherlands, and our telephone number is +31 (0) 10 206-7000. Petrobras's principal executive office is located at Avenida República do Chile, 65, 10th Floor, 20031-912 – Rio de Janeiro RJ, Brazil, and our telephone number is +(55-21) 3224-4477.
9. Petrobras was incorporated in 1953. All of Petrobras's capital stock is fully paid. As of June 30, 2019, Petrobras had a capital stock of U.S.\$107,101 million, consisting of 7,442,231,382 shares of common stock outstanding and 5,601,969,879 shares of preferred stock outstanding. All the outstanding shares of Petrobras's capital stock have no par value and have been duly authorized and issued. In addition, as of June 30, 2019, Petrobras held treasury shares in the amount of 222,760 shares of common stock and 72,909 shares of preferred stock.

All of PGF's capital stock is fully paid. As of June 30, 2019, PGF had a capital stock of €18.100, consisting of 181 shares of common stock.

ISSUER

Petrobras Global Finance B.V.

Weena 762, 3014 DA
Rotterdam
The Netherlands

GUARANTOR

Petróleo Brasileiro S.A. — Petrobras

Avenida República do Chile, 65
20031-912 — Rio de Janeiro
RJ, Brazil

INDENTURE TRUSTEE, REGISTRAR, PRINCIPAL PAYING AND TRANSFER AGENT

The Bank of New Mellon

240 Greenwich Street, 7E
New York, New York 10286
United States of America

LISTING AGENT IN LUXEMBOURG

The Bank of New York Mellon SA/NV, Luxembourg Branch

Vertigo Building-Polaris
2-4 rue Eugène Ruppert, L-2453
Grand Duchy of Luxembourg

PETROBRAS GLOBAL FINANCE B.V.
as Issuer

PETRÓLEO BRASILEIRO S.A. — PETROBRAS
as Guarantor

U.S.\$4,115,281,000 5.093% Global Notes due 2030

Listing Memorandum

November 6, 2019
