

Reference Entity *	Region	Reference Obligations	Issuer	Coupon	Maturity	Date Added
1 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0906949523	Gaz Capital S.A.	4.364	21 Mar 25	17 Jul 15
2 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0885736925	Gaz Capital S.A.	4.95	6 Feb 28	17 Jul 15
3 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AT98	Gaz Capital S.A.	4.95	6 Feb 28	17 Jul 15
4 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AA08	Gaz Capital S.A.	8.625	28 Apr 34	17 Jul 15
5 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0191754729	Gaz Capital S.A.	8.625	28 Apr 34	17 Jul 15
6 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0316524130	Gaz Capital S.A.	7.288	16 Aug 37	17 Jul 15
7 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AH50	Gaz Capital S.A.	7.288	16 Aug 37	17 Jul 15
8 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	CH0404311711	Gaz Capital S.A.	1.45	6 Mar 23	24 Mar 22
9 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS1521035573	Gaz Capital S.A.	3.125	17 Nov 23	24 Mar 22
10 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS1521039054	Gaz Capital S.A.	3.125	17 Nov 23	24 Mar 22
11 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS1592279522	Gaz Capital S.A.	4.25	6 Apr 24	24 Mar 22
12 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS1721463500	Gaz Capital S.A.	2.25	22 Nov 24	24 Mar 22
13 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS1795409082	Gaz Capital S.A.	2.5	21 Mar 26	24 Mar 22
14 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2301292400	Gaz Finance Plc	1.5	17 Feb 27	24 Mar 22
15 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2301291931	Gaz Finance Plc	1.5	17 Feb 27	24 Mar 22
16 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS1585190389	Gaz Capital S.A.	4.95	23 Mar 27	24 Mar 22
17 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AV45	Gaz Capital S.A.	4.95	23 Mar 27	24 Mar 22
18 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2196334671	Gaz Finance Plc	3	29 Jun 27	24 Mar 22
19 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2408033210	Gaz Finance Plc	1.85	17 Nov 28	24 Mar 22
20 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2408032246	Gaz Finance Plc	1.85	17 Nov 28	24 Mar 22
21 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2291819717	Gaz Finance Plc	2.95	27 Jan 29	24 Mar 22
22 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2291819980	Gaz Finance Plc	2.95	27 Jan 29	24 Mar 22
23 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2363250833	Gaz Finance Plc	3.5	14 Jul 31	24 Mar 22
24 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS2363251997	Gaz Finance Plc	3.5	14 Jul 31	24 Mar 22

Reference Entity	Region	Expired Reference Obligations	Issuer	Coupon	Maturity	Date Removed
1 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0562354182	Gaz Capital S.A.	5.092	29 Nov 15	29 Nov 15
2 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AN29	Gaz Capital S.A.	5.092	29 Nov 15	29 Nov 15
3 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0708813653	Gaz Capital S.A.	4.95	23 May 16	23 May 16
4 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AP76	Gaz Capital S.A.	4.95	23 May 16	23 May 16
5 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AE20	Gaz Capital S.A.	6.212	22 Nov 16	22 Nov 16
6 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0276456315	Gaz Capital S.A.	6.212	22 Nov 16	22 Nov 16
7 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0805582011	Gaz Capital S.A.	3.755	15 Mar 17	15 Mar 17
8 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AD47	Gaz Capital S.A.	5.136	22 Mar 17	22 Mar 17
9 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0276455937	Gaz Capital S.A.	5.136	22 Mar 17	22 Mar 17
10 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AG77	Gaz Capital S.A.	5.44	2 Nov 17	2 Nov 17
11 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0290581569	Gaz Capital S.A.	5.44	2 Nov 17	2 Nov 17
12 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0327237136	Gaz Capital S.A.	6.605	13 Feb 18	13 Feb 18
13 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368287AE82	Gaz Capital S.A.	8.146	11 Apr 18	11 Apr 18
14 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0357281558	Gaz Capital S.A.	8.146	11 Apr 18	11 Apr 18
15 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0954912514	Gaz Capital S.A.	3.7	25 Jul 18	25 Jul 18
16 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0424860947	Gaz Capital S.A.	9.25	23 Apr 19	23 Apr 19
17 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	CH0226274261	Gaz Capital S.A.	2.85	25 Oct 19	25 Oct 19
18 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AS16	Gaz Capital S.A.	3.85	6 Feb 20	6 Feb 20
19 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0885733153	Gaz Capital S.A.	3.85	6 Feb 20	6 Feb 20
20 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0906946008	Gaz Capital S.A.	3.389	20 Mar 20	20 Mar 20
21 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0974126186	Gaz Capital S.A.	5.338	25 Sep 20	25 Sep 20
22 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0708813810	Gaz Capital S.A.	5.999	23 Jan 21	23 Jan 21
23 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AF94	Gaz Capital S.A.	6.51	7 Mar 22	7 Mar 22
24 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0290580595	Gaz Capital S.A.	6.51	7 Mar 22	7 Mar 22
25 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	XS0805570354	Gaz Capital S.A.	4.95	19 Jul 22	19 Jul 22
26 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	US368266AR33	Gaz Capital S.A.	4.95	19 Jul 22	19 Jul 22
27 GAZPROM PUBLIC JOINT STOCK COMPANY	EMEA	CH0374882816	Gaz Capital S.A.	2.25	19 Jul 22	19 Jul 22

* The Reference entity was previously known as JSC "GAZPROM". The later was renamed to GAZPROM PUBLIC JOINT STOCK COMPANY on 17 July 2015.

Copyright © 2023 by S&P Global Market Intelligence, a division of S&P Global Inc. All rights reserved.

These materials, including any software, data, processing technology, index data, ratings, credit-related analysis, research, model, software or other application or output described herein, or any part thereof (collectively the "Property") constitute the proprietary and confidential information of S&P Global Market Intelligence or its affiliates (each and together "S&P Global") and/or its third party provider licensors. S&P Global on behalf of itself and its third-party licensors reserves all rights in and to the Property. These materials have been prepared solely for information purposes based upon information generally available to the public and from sources believed to be reliable.

If the Property is accessed through a portal, application, or website of S&P Global ("Website") the terms of use detailed on that Website ("Terms of Use") shall be supplemental to any written agreement in relation to the access and use of the Property. By accessing or using the Website, the recipient acknowledges and irrevocably represents to have read, understood, and agreed to be bound by the Terms of Use.

Any copying, reproduction, reverse-engineering, modification, distribution, transmission or disclosure of the Property, in any form or by any means, is strictly prohibited without the prior written consent of S&P Global. The Property shall not be used for any unauthorized or unlawful purposes. S&P Global Market Intelligence's opinions, statements, estimates, projections, quotes and credit-related and other analyses are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold, or sell any securities or to make any investment decisions, and do not address the suitability of any security, and there is no obligation on S&P Global Market Intelligence to update the foregoing or any other element of the Property. S&P Global Market Intelligence may provide index data. Direct investment in an index is not possible. Exposure to an asset class represented by an index is available through investable instruments based on that index. The Property and its composition and content are subject to change without notice.

THE PROPERTY IS PROVIDED ON AN "AS IS" BASIS. NEITHER S&P GLOBAL NOR ANY THIRD PARTY PROVIDERS (TOGETHER, "S&P GLOBAL PARTIES") MAKE ANY WARRANTY, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, FREEDOM FROM BUGS, SOFTWARE ERRORS OR DEFECTS, THAT THE PROPERTY'S FUNCTIONING WILL BE UNINTERRUPTED OR THAT THE PROPERTY WILL OPERATE IN ANY SOFTWARE OR HARDWARE CONFIGURATION, NOR ANY WARRANTIES, EXPRESS OR IMPLIED, AS TO ITS ACCURACY, AVAILABILITY, COMPLETENESS OR TIMELINESS, OR TO THE RESULTS TO BE OBTAINED FROM THE USE OF THE PROPERTY. S&P GLOBAL PARTIES SHALL NOT IN ANY WAY BE LIABLE TO ANY RECIPIENT FOR ANY INACCURACIES, ERRORS OR OMISSIONS REGARDLESS OF THE CAUSE. Without limiting the foregoing, S&P Global Parties shall have no liability whatsoever to any recipient, whether in contract, in tort (including negligence), under warranty, under statute or otherwise, in respect of any loss or damage suffered by any recipient as a result of or in connection with the Property, or any course of action determined, by it or any third party, whether or not based on or relating to the Property. In no event shall S&P Global be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees or losses (including without limitation lost income or lost profits and opportunity costs or losses caused by negligence) in connection with any use of the Property even if advised of the possibility of such damages. The Property should not be relied on and is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment and other business decisions.

The S&P Global logo is a registered trademark of S&P Global, and the trademarks of S&P Global used within this document or materials are protected by international laws. Any other names may be trademarks of their respective owners.

The inclusion of a link to an external website by S&P Global should not be understood to be an endorsement of that website or the website's owners (or their products/services). S&P Global is not responsible for either the content or output of external websites. S&P Global keeps certain activities of its divisions separate from each other in order to preserve the independence and objectivity of their respective activities. As a result, certain divisions of S&P Global may have information that is not available to other S&P Global divisions. S&P Global has established policies and procedures to maintain the confidentiality of certain nonpublic information received in connection with each analytical process. S&P Global may receive compensation for its ratings and certain analyses, normally from issuers or underwriters of securities or from obligors. S&P Global reserves the right to disseminate its opinions and analyses. S&P Global Ratings' public ratings and analyses are made available on its sites, www.spglobal.com/ratings (free of charge) and www.capitaliq.com (subscription), and may be distributed through other means, including via S&P Global publications and third party redistributors.