

Print Date: 16-Sep-20

## Agent and Cash Network (Custody & Fund Services)

Market	Subcustodian	Cash Correspondent Bank
Argentina	HSBC Bank Argentina S.A.	HSBC Bank Argentina S.A.
	Bouchard 557, 18th Floor	Buenos Aires
	Buenos Aires C1106ABJ	
	Argentina	
Australia	JPMorgan Chase Bank N.A. J.P. Morgan affiliate	Australia and New Zealand Banking Group Ltd.
	Level 18, 85 Castlereagh Street Sydney NSW 2000	Melbourne
	Australia	JPMorgan Chase Bank N.A., Sydney Branch
	Australia	(for clients utilizing J.P. Morgan's domestic
		AUD solution)) J.P. Morgan affiliate
		Sydney
Austria	UniCredit Bank Austria AG	J.P. Morgan AG J.P. Morgan affiliate
	Julius Tandler Platz - 3,	Frankfurt
	Vienna A-1090	
	Austria	
Bahrain	HSBC Bank Middle East Limited	HSBC Bank Middle East Limited
	Road No 2832	Al Seef
	Al Seef 428	
Bangladesh	Bahrain Standard Chartered Bank	Standard Chartered Bank
ballglauesii	Portlink Tower, Level-6, 67 Gulshan Avenue,	Dhaka
	Gulshan	Diiaka
	Dhaka 1212	
	Bangladesh	
Belgium	BNP Paribas Securities Services S.C.A. (for	J.P. Morgan AG J.P. Morgan affiliate
	clients contracting with J.P. Morgan (Suisse)	Frankfurt am Main
	SA and for all Belgian Bonds settling in the	
	National Bank of Belgium (NBB))	
	Central Plaza Building, Rue de Loxum, 25, 7th	
	Floor	
	Brussels 1000	
	Belgium	
	J.P. Morgan Bank Luxembourg S.A. (for clients	
	contracting with this entity and JPMorgan	
	Chase Bank, N.A.) J.P. Morgan affiliate	
	European Bank & Business Centre, 6, route de	
	Treves	

Market	Subcustodian	Cash Correspondent Bank
	Senningerberg L-2633	
	Luxembourg	
	J.P. Morgan Bank (Ireland) PLC (for clients contracting with this entity) J.P. Morgan affiliate 200 Capital Dock, 79 Sir John Rogerson's Quay Dublin DO2 RK57 Ireland	
Bermuda	HSBC Bank Bermuda Limited 37 Front Street Hamilton HM 11 Bermuda	HSBC Bank Bermuda Limited Hamilton
Botswana	Standard Chartered Bank Botswana Limited 5th Floor, Standard House, P.O. Box 496, Queens Road, The Mall Gaborone Botswana	Standard Chartered Bank Botswana Limited Gaborone
Brazil	J.P. Morgan S.A. DTVM J.P. Morgan affiliate Av. Brigadeiro Faria Lima, 3729, Floor 06 Sao Paulo SP 04538 905 Brazil	J.P. Morgan S.A. DTVM J.P. Morgan affiliate Sao Paulo
Bulgaria	Citibank Europe plc Serdika Offices, 10th Floor, 48 Sitnyakovo Blvd Sofia 1505 Bulgaria	ING Bank N.V. Sofia
Canada	CIBC Mellon Trust Company (Note: Clients please refer to your issued settlement instructions)  1 York Street, Suite 900 Toronto Ontario M5J OB6 Canada  Royal Bank of Canada (Note: Clients please	Canadian Imperial Bank of Commerce (For clients utilizing J.P. Morgan's domestic CAD solution) Toronto  Royal Bank of Canada Toronto
	refer to your issued settlement instructions) 155 Wellington Street West Toronto M5V 3L3 Canada	
Chile	Banco Santander Chile Bandera 140 Santiago Chile	Banco Santander Chile Santiago
China A-Share Please refer to your Client Relationship Team for additional subcustodial options	JPMorgan Chase Bank (China) Company Limited (Note: Clients please refer to your issued settlement instructions) J.P. Morgan affiliate 41st floor, Park Place, No. 1601, West Nanjing Road, Jingan District Shanghai	JPMorgan Chase Bank (China) Company Limited (Note: Clients please refer to your issued settlement instructions) J.P. Morgan affiliate Shanghai  HSBC Bank (China) Company Limited (Note:
	The People's Republic of China  HSBC Bank (China) Company Limited (Note: Clients please refer to your issued settlement instructions) 33/F, HSBC Building, Shanghai IFC, 8 Century Avenue, Pudong Shanghai 200120	Clients please refer to your issued settlement instructions) Shanghai

Market	Subcustodian	Cash Correspondent Bank
	The People's Republic of China	
China B-Share	HSBC Bank (China) Company Limited 33/F, HSBC Building, Shanghai IFC, 8 Century Avenue, Pudong	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate New York
	Shanghai 200120 The People's Republic of China	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate Hong Kong
China Connect	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate  18th Floor Tower 2, The Quayside, 77 Hoi Bun Road, Kwun Tong Hong Kong	JPMorgan Chase Bank, N.A., Hong Kong J.P. Morgan affiliate
Colombia	Cititrust Colombia S.A. Carrera 9 A #99-02, 3rd Floor Bogota Colombia	Cititrust Colombia S.A. Bogota
Costa Rica Restricted service only. Please contact your Relationship Manager for further information	Banco BCT S.A. 150 Metros Norte de la Catedral Metropolitana, Edificio BCT San Jose Costa Rica	Banco BCT S.A. San Jose
Croatia	Privredna banka Zagreb d.d. Radnicka cesta 50 Zagreb 10000 Croatia	Zagrebacka banka d.d. Zagreb
Cyprus	HSBC France Athens Branch 109-111, Messogion Ave. Athens 11526 Greece	J.P. Morgan AG J.P. Morgan affiliate Frankfurt am Main
Czech Republic	UniCredit Bank Czech Republic and Slovakia, a.s. BB Centrum - FILADELFIE, Zeletavska 1525-1, Prague 1 Prague 140 92 Czech Republic	eskoslovenská obchodní banka a.s. Prague
Denmark	Nordea Bank Abp Christiansbro, Strandgade 3, P.O. Box 850 Copenhagen DK-0900 Denmark	Nordea Bank Abp Copenhagen
Egypt	Citibank N.A., Egypt Boomerang Building, Plot 46, Zone J, 1st district, 5th Settlement, New Cairo 11511 Egypt	Citibank N.A., Egypt New Cairo
Estonia	Access to the market via Clearstream Banking S.A., Luxembourg in its capacity as International Central Securities Depository	J.P. Morgan AG J.P. Morgan affiliate Frankfurt am Main
Finland	Nordea Bank Abp Satamaradankatu 5 Helsinki FIN-00020 Nordea Finland	J.P. Morgan AG <sup>J.P. Morgan affiliate</sup> Frankfurt am Main
France	BNP Paribas Securities Services S.C.A. (for clients contracting with J.P. Morgan (Suisse) SA and for Physical Securities and Ordre de Mouvement (ODMs) held by clients)	J.P. Morgan AG J.P. Morgan affiliate Frankfurt am Main



Market	Subcustodian	Cash Correspondent Bank
	3, Rue d'Antin Paris 75002	
	France	
	J.P. Morgan Bank Luxembourg S.A. (for clients contracting with this entity and JPMorgan Chase Bank, N.A.) J.P. Morgan affiliate European Bank & Business Centre, 6, route de Treves Senningerberg L-2633	
	J.P. Morgan Bank (Ireland) PLC (for clients contracting with this entity) J.P. Morgan affiliate 200 Capital Dock, 79 Sir John Rogerson's Quay Dublin DO2 RK57 Ireland	
Germany	J.P. Morgan AG (for domestic German custody clients only) J.P. Morgan affiliate Taunustor 1 (TaunusTurm) Frankfurt am Main 60310 Germany	J.P. Morgan AG <sup>J.P. Morgan affiliate</sup> Frankfurt am Main
	Deutsche Bank AG Alfred-Herrhausen-Allee 16-24 Eschborn D-65760 Germany	
Ghana	Standard Chartered Bank Ghana Limited Accra High Street, P.O. Box 768 Accra Ghana	Standard Chartered Bank Ghana Limited Accra
Greece	HSBC France Athens Branch 109-111, Messogion Ave. Athens 11526 Greece	J.P. Morgan AG J.P. Morgan affiliate Frankfurt am Main
Hong Kong	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate 18th Floor Tower 2, The Quayside, 77 Hoi Bun Road, Kwun Tong Hong Kong	JPMorgan Chase Bank, N.A., Hong Kong J.P. Morgan affiliate
Hungary	Deutsche Bank AG Hold utca 27 Budapest H-1054 Hungary	UniCredit Bank Hungary Zrt.
ICEland Restricted service only. Please contact your Relationship Manager for further information	Islandsbanki hf. Kirkjusandur 2 Reykjavik IS-155 Iceland	Islandsbanki hf. Reykjavik
India	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate 6th Floor, Paradigm B Wing, Mindspace, Malad (West) Mumbai 400 064 India	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate Mumbai
Indonesia	PT Bank HSBC Indonesia WTC 3 Building - 8th floor Jl. Jenderal Sudirman Kav. 29-31 Jakarta 12920	PT Bank HSBC Indonesia Jakarta

Market	Subcustodian	Cash Correspondent Bank
	Indonesia	
Ireland	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate	J.P. Morgan AG J.P. Morgan affiliate
	25 Bank Street Canary Wharf	Frankfurt am Main
	London E14 5JP United Kingdom	
Israel	Bank Leumi le-Israel B.M.	Bank Leumi le-Israel B.M.
isiaci	35, Yehuda Halevi Street	Tel Aviv
	Tel Aviv 65136	
	Israel	
Italy	J.P. Morgan Bank (Ireland) PLC (for clients	J.P. Morgan AG J.P. Morgan affiliate
	contracting with this entity. Clients contracting	Frankfurt am Main
	with J.P. Morgan Bank Luxembourg S.A. please refer to your issued settlement instructions) J.P.	
	Morgan affiliate	
	200 Capital Dock, 79 Sir John Rogerson's Quay	
	Dublin D02 RK57	
	Ireland	
	BNP Paribas Securities Services S.C.A. (for	
	clients contracting with J.P. Morgan Chase	
	Bank, N.A. and J.P. Morgan (Suisse) SA. Clients	
	contracting with J.P. Morgan Bank	
	Luxembourg S.A. please refer to your issued	
	settlement instructions)	
	Piazza Lina Bo Bardi 3 Milan 20124	
	Italy	
Japan	Mizuho Bank Ltd. (Note: Clients please refer to	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate
'	your issued settlement instructions)	Tokyo
	2-15-1, Konan, Minato-ku	
	Tokyo 108-6009	
	Japan	
	MUFG Bank, Ltd. (Note: Clients please refer to	
	your issued settlement instructions)	
	1-3-2 Nihombashi Hongoku-cho, Chuo-ku	
	Tokyo 103-0021	
	Japan	
Jordan	Standard Chartered Bank Shmeissani Branch, Al-Thaqafa Street,	Standard Chartered Bank Amman
	Building #2 P.O. Box 926190	Allillali
	Amman	
	Jordan	
Kazakhstan	Citibank Kazakhstan JSC	Subsidiary Bank Sberbank of Russia Joint
	Park Palace, Building A, Floor 2, 41 Kazybek Bi	Stock Company
	Almaty 050010 Kazakhstan	Almaty
Kenya	Standard Chartered Bank Kenya Limited	Standard Chartered Bank Kenya Limited
Kenya	Chiromo, 48 Westlands Road	Nairobi
	Nairobi 00100	
	Kenya	
Kuwait	HSBC Bank Middle East Limited	HSBC Bank Middle East Limited
	Al Hamra Tower, Abdulaziz Al Sager Street	Kuwait City
	Sharq Area	
	Kuwait City Kuwait	
	Nuwdit	

Market	Subcustodian	Cash Correspondent Bank
Latvia	Access to the market via Clearstream Banking S.A., Luxembourg in its capacity as International Central Securities Depository	J.P. Morgan AG J.P. Morgan affiliate Frankfurt am Main
Lithuania	Access to the market via Clearstream Banking S.A., Luxembourg in its capacity as International Central Securities Depository	J.P. Morgan AG J.P. Morgan affiliate Frankfurt am Main
Luxembourg	BNP Paribas Securities Services S.C.A. 60 Avenue John F. Kennedy Luxembourg L-1855 Luxembourg	J.P. Morgan AG <sup>J.P. Morgan affiliate</sup> Frankfurt am Main
Malawi Restricted service only. Please contact your Relationship Manager for further information	Standard Bank PLC Kaomba Centre, Cnr Glyn Jones Road & Victoria Avenue, P.O. Box 1111 Blantyre Malawi	Standard Bank PLC Blantyre
Malaysia	HSBC Bank Malaysia Berhad 2 Leboh Ampang, 12th Floor, South Tower Kuala Lumpur 50100 Malaysia	HSBC Bank Malaysia Berhad Kuala Lumpur
Mauritius	The Hongkong and Shanghai Banking Corporation Limited HSBC Centre, 18 Cybercity Ebene Mauritius	The Hongkong and Shanghai Banking Corporation Limited Ebene
Mexico	Banco Nacional de Mexico S.A. Act. Roberto Medellin No. 800 3er Piso Norte Colonia Santa Fe Mexico, D.F. 1210 Mexico	Banco Santander (Mexico) S.A. Ciudad de México, C.P.
Morocco	Société Générale Marocaine de Banques 55 Boulevard Abdelmoumen Casablanca 20100 Morocco	Attijariwafa Bank S.A. Casablanca
Namibia	Standard Bank Namibia Limited Erf 137, Standard Bank Centre, Chasie Street, Hill Top, Kleine Kuppe Windhoek Namibia	The Standard Bank of South Africa Limited Johannesburg
Netherlands	J.P. Morgan Bank Luxembourg S.A. (for clients contracting with this entity and JPMorgan Chase Bank, N.A.) J.P. Morgan affiliate European Bank & Business Centre, 6, route de Treves Senningerberg L-2633 Luxembourg	J.P. Morgan AG J.P. Morgan affiliate Frankfurt am Main
	BNP Paribas Securities Services S.C.A. (for clients contracting with J.P. Morgan (Suisse) SA) Herengracht 595 Amsterdam 1017 CE Netherlands	

Market	Subcustodian	Cash Correspondent Bank
	J.P. Morgan Bank (Ireland) PLC (for clients contracting with this entity) J.P. Morgan affiliate 200 Capital Dock, 79 Sir John Rogerson's Quay Dublin DO2 RK57 Ireland	
New Zealand	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate Level 13, 2 Hunter Street Wellington 6011 New Zealand	JPMorgan Chase Bank, N.A. New Zealand Branch (for clients utilizing J.P. Morgan's domestic NZD solution) J.P. Morgan affiliate Wellington Westpac Banking Corporation
Nigeria	Stanbic IBTC Bank Plc Plot 1712, Idejo Street Victoria Island Lagos Nigeria	Wellington Stanbic IBTC Bank Plc Lagos
Norway	Nordea Bank Abp Essendropsgate 7, P.O. Box 1166 Oslo NO-0107 Norway	Nordea Bank Abp Oslo
Oman	HSBC Bank Oman S.A.O.G. 2nd Floor Al Khuwair P.O. Box 1727 Seeb PC 111 Oman	HSBC Bank Oman S.A.O.G. Seeb
Pakistan	Standard Chartered Bank (Pakistan) Limited P.O. Box 4896, Ismail Ibrahim Chundrigar Road Karachi 74000 Pakistan	Standard Chartered Bank (Pakistan) Limited Karachi
Peru	Citibank del Perú S.A. Canaval y Moreryra 480 Piso 3, San Isidro San Isidro, L-27 L-27 Lima, Peru	Banco de Crédito del Perú Lima 012
Philippines	The Hongkong and Shanghai Banking Corporation Limited 7/F HSBC Centre, 3058 Fifth Avenue West, Bonifacio Global City Taguig City 1634 Philippines	The Hongkong and Shanghai Banking Corporation Limited Taguig City
Poland	Bank Handlowy w. Warszawie S.A. ul. Senatorska 16 Warsaw 00-923 Poland	mBank S.A. Warsaw
Portugal	BNP Paribas Securities Services S.C.A. Avenida D.João II, Lote 1.18.01, Bloco B, 7° andar Lisbon 1998-028 Portugal	J.P. Morgan AG <sup>J.P. Morgan affiliate</sup> Frankfurt am Main
Qatar	HSBC Bank Middle East Limited Building 150, Airport Road Doha Qatar	The Commercial Bank (P.Q.S.C.) Doha
Romania	Citibank Europe plc	ING Bank N.V.



Market	Subcustodian	Cash Correspondent Bank
	145 Calea Victoriei, 1st District Bucharest 10072 Hungary	Bucharest
Russia	Commercial Bank "J.P. Morgan Bank International" (Limited Liability Company) J.P. Morgan affiliate	Sberbank of Russia Moscow
	10, Butyrsky Val, White Square Business Centre, Floor 12 Moscow 125047 Russia	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate New York
Saudi Arabia	J.P. Morgan Saudi Arabia Company (Note: Clients please refer to your issued settlement instructions) J.P. Morgan affiliate Al Faisaliah Tower, Level 8, P.O. Box 51907 Riyadh 11553 Saudi Arabia	JPMorgan Chase Bank, N.A Riyadh Branch J.P.  Morgan affiliate Riyadh  The Saudi British Bank Riyadh
	HSBC Saudi Arabia (Note: Clients please refer to your issued settlement instructions) 2/F HSBC Building, 7267 Olaya Street North, Al Murooj Riyadh 12283-2255 Saudi Arabia	
Serbia	Unicredit Bank Srbija a.d. Rajiceva 27-29 Belgrade 11000 Serbia	Unicredit Bank Srbija a.d. Belgrade
Singapore	DBS Bank Ltd 10 Toh Guan Road, DBS Asia Gateway, Level 04-11 (4B) Singapore 608838 Singapore	Oversea-Chinese Banking Corporation Singapore
Slovak Republic	UniCredit Bank Czech Republic and Slovakia, a.s. Sancova 1/A Bratislava SK-813 33 Slovak Republic	J.P. Morgan AG <sup>J.P. Morgan affiliate</sup> Frankfurt am Main
Slovenia	UniCredit Banka Slovenija d.d. Smartinska 140 Ljubljana SI-1000 Slovenia	J.P. Morgan AG <sup>J.P. Morgan affiliate</sup> Frankfurt am Main
South Africa	FirstRand Bank Limited  1 Mezzanine Floor, 3 First Place, Bank City Cnr Simmonds and Jeppe Streets Johannesburg 2001 South Africa	The Standard Bank of South Africa Limited Johannesburg
South Korea	Kookmin Bank Co. Ltd. (Note: Clients please refer to your issued settlement instructions) 84, Namdaemun-ro, Jung-gu Seoul 100-845 South Korea	Kookmin Bank Co. Ltd. (Note: Clients please refer to your issued settlement instructions) Seoul Standard Chartered Bank Korea Limited (Note: Clients please refer to your issued settlement
	Standard Chartered Bank Korea Limited (Note: Clients please refer to your issued settlement instructions) 47 Jongro, Jongro-Gu	instructions) Seoul

Market	Subcustodian	Cash Correspondent Bank
	Seoul 3160	
	South Korea	
Spain	CACEIS Bank Spain, S.A.U. Parque Empresarial La Finca, Paseo Club Deportivo 1, Edificio 4, Planta 2, Pozuelo de Alarcón Madrid 28223 Spain	J.P. Morgan AG <sup>J.P. Morgan</sup> affiliate Frankfurt am Main
Sri Lanka	The Hongkong and Shanghai Banking Corporation Limited 24 Sir Baron Jayatillaka Mawatha Colombo 1 Sri Lanka	The Hongkong and Shanghai Banking Corporation Limited Colombo
Sweden	Nordea Bank Abp Hamngatan 10 Stockholm SE-105 71 Sweden	Svenska Handelsbanken Stockholm
Switzerland	UBS Switzerland AG 45 Bahnhofstrasse Zurich 8021 Switzerland	UBS Switzerland AG Zurich
Taiwan	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate 8th Floor, Cathay Xin Yi Trading Building, No. 108, Section 5, Xin Yi Road Taipei 11047 Taiwan	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate Taipei
Tanzania Restricted service only. Please contact your Relationship Manager for further information	Stanbic Bank Tanzania Limited Stanbic Centre, Corner Kinondoni and A.H. Mwinyi Roads, P.O. Box 72648 Dar es Salaam Tanzania	Stanbic Bank Tanzania Limited Dar es Salaam
Thailand	Standard Chartered Bank (Thai) Public Company Limited 14th Floor, Zone B, Sathorn Nakorn Tower, 90 North Sathorn Road Bangrak, Silom, Bangrak Bangkok 10500 Thailand	Standard Chartered Bank (Thai) Public Company Limited Bangkok
Tunisia	Union Internationale de Banques Societe Generale SA 10, Rue d'Egypte, Tunis Belvedere Tunis 1002 Tunisia	Banque Internationale Arabe de Tunisie S.A. Tunis
Turkey	Citibank A.S. Tekfen Tower, Eski Buyukdere Cad No:209 K:2, Levent  Istanbul 34394 Turkey	JPMorgan Chase Bank, N.A. Istanbul Branch J.P. Morgan affiliate Istanbul
Uganda	Standard Chartered Bank Uganda Limited 5 Speke Road, PO Box 7111 Kampala Uganda	Standard Chartered Bank Uganda Limited Kampala
Ukraine Restricted service only. Please contact your Relationship Manager for further information	Joint Stock Company "Citibank" 16-G Dilova Street Kiev 03150	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate New York

Market	Subcustodian	Cash Correspondent Bank
	Ukraine	Joint Stock Company "Citibank" Kiev
United Arab Emirates	HSBC Bank Middle East Limited Emaar Square, Level 4, Building No. 5, P.O. Box 502601 Dubai United Arab Emirates	First Abu Dhabi Bank P.J.S.C Dubai
United Kingdom	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate 4 New York Plaza New York 10004 United States  Deutsche Bank AG Depository and Clearing Centre 10 Bishops Square London E1 6EG United Kingdom	JPMorgan Chase Bank, N.A., London J.P. Morgan affiliate
United States	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate 4 New York Plaza New York 10004 United States	JPMorgan Chase Bank, N.A. J.P. Morgan affiliate New York
Uruguay	Banco Itaú Uruguay S.A. Zabala 1463 Montevideo 11000 Uruguay	Banco Itaú Uruguay S.A. Montevideo
Vietnam	HSBC Bank (Vietnam) Ltd. 106 Nguyen Van Troi Street, Phu Nhuan District Ho Chi Minh City Vietnam	HSBC Bank (Vietnam) Ltd. Ho Chi Minh City
WAEMU (Benin, Burkina Faso, Guinea- Bissau, Ivory Coast, Mali, Niger, Senegal, Togo) Restricted service only. Please contact your Relationship Manager for further information	Standard Chartered Bank Côte d'Ivoire S.A. 23 Boulevard de la Republique 1 Abidjan 01 B.P. 1141 Ivory Coast	Standard Chartered Bank Côte d'Ivoire S.A. Abidjan
Zambia	Standard Chartered Bank Zambia Plc Standard Chartered House, Cairo Road P.O. Box 32238 Lusaka 10101 Zambia	Standard Chartered Bank Zambia Plc Lusaka
Zimbabwe Restricted service only. Please contact your Relationship Manager for further information	Stanbic Bank Zimbabwe Limited Stanbic Centre, 3rd Floor, 59 Samora Machel Avenue Harare Zimbabwe	Stanbic Bank Zimbabwe Limited Harare

## Disclaimer(s):

This document is for information only and its contents are subject to change. This document is intended neither to influence your investment decisions nor to amend or supplement any agreement governing your relations with J.P. Morgan. Neither this document nor any of its contents may be disclosed to any third party or used for any other purpose without the proper written consent of J.P. Morgan has gathered the information from a source it considers reliable, however, it cannot be responsible for inaccuracies, incomplete information or updating of the information furnished hereby. J.P. Morgan assumes no responsibility or liability whatsoever to any person in respect of such matters.

J.P. Morgan is a marketing name for businesses of JPMorgan Chase & Co. and its subsidiaries and affiliates worldwide. The material is produced and distributed on behalf of the entities offering Corporate and Investment Banking activities including but not limited to JPMorgan Chase Bank N.A. (including through its authorized branches), J.P. Morgan AG, J.P. Morgan Bank Luxembourg S.A. (including through its authorized branches), J.P Morgan Bank (Ireland) Plc, J.P. Morgan (Suisse) SA and J.P. Morgan Europe Limited (including through its authorized branches). For additional regulatory disclosures regarding these entities, please consult: www.jpmorgan.com/disclosures.

© 2019 JPMorgan Chase & Co. All rights reserved.

