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S&P Global Ratings

5 June 2019

Current directorships (excluding directorships in any not-for-profit, cultural or charitable organizations) as disclosed by Directors of S&P Global Ratings Europe Limited (as of May 31, 2019)

(Note: This list, while believed accurate on the date hereof, may be updated from time to time to reflect changes.)

Unless otherwise noted, all directorships are subsidiaries of S&P Global Inc.

First Name	Last Name	Company Name
John	Berisford	CRISIL Limited S&P Argentina LLC S&P Global Canada Corp. S&P Global Ratings Europe Limited Standard & Poor's Enterprises, LLC Standard & Poor's Financial Services LLC Standard & Poor's International Enterprises, LLC Standard & Poor's International Services LLC
Dominic	Crawley	S&P Global Ratings Europe Limited
Jan Willem	Plantagie	S&P Global Germany GmbH S&P Global Ratings Europe Limited S&P Global Ratings Maalot Ltd

* Not an affiliate of S&P Global Inc.

First Name	Last Name	Company Name
James	Penrose	S&P Global Ratings Europe Limited S&P Global Ratings UK Limited
Thierry	Sciard	Mizuho International PLC* S&P Global Ratings Europe Limited VTB Capital plc* VTB Holdco*
Joseph	Strubel	Ontario Graphite Ltd.* S&P Global Ratings Europe Limited SphereInvest Group Limited* SphereInvest Global UCITS SICAV P.L.C.*

* Not an affiliate of S&P Global Inc.