RALPH LAUREN CORP Form SC 13G August 10, 2017

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

SCHEDULE 13G

Under the Securities Exchange Act of 1934 (Amendment No.)*

NAME OF ISSUER: Ralph Lauren Corporation

TITLE OF CLASS OF SECURITIES: Common Stock

CUSIP NUMBER: 751212101

DATE OF EVENT WHICH REQUIRES FILING OF THIS STATEMENT: July 31, 2017

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

[X] Rule 13d-1(b)
[] Rule 13d-1(c)
[] Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required in the remainder of this cover page shall not be deemed to be 'filed' for the purpose of Section 18 of the Securities Exchange Act of 1934 ('Act') or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP NUMBER: 751212101

- (1) Names of Reporting Persons The Bank of New York Mellon Corporation IRS Identification Nos. of Above Persons IRS No.13-2614959
- (2) Check the Appropriate Box if a Member of a Group (See Instructions)
 (a) () (b) ()
- (3) SEC use only
- (4) Citizenship or Place of Organization New York

Number of Shares (5) Sole Voting Power 5,346,506
Beneficially
Owned by Each (6) Shared Voting Power 190
Reporting Person
With (7) Sole Dispositive Power 6,173,009

- (8) Shared Dispositive Power 216
- (9) Aggregate Amount Beneficially Owned by Each Reporting Person 6,173,240
- (10) Check if the Aggregated Amount in Row (9) Excludes Certain

Shares (see Instructions)			()	
(11) Percent of Class Represented by Amount in Row (9)			11.15%	
(12) Type of Reporting Person	(See	Instructions)	НС	
CUSIP NUMBER: 751212101				
(1) Names of Reporting Pe IRS Identification No			BNY Mellon IHC, LLC IRS No.	
(2) Check the Appropriate (a) () (b) ()	Box it	a Member of a Group	(See Instructions)	
(3) SEC use only				
(4) Citizenship or Place	of Orga	anization	New York	
Number of Shares	(5)	Sole Voting Power	5,137,054	
Beneficially Owned by Each	(6)	Shared Voting Power	0	
Reporting Person With	(7)	Sole Dispositive Po	wer 5,947,231	
	(8)	Shared Dispositive	Power 0	
(9) Aggregate Amount Beneficially Owned by Each Reporting Person 6,141,414				
(10) Check if the Aggregated . Shares (see Instructions		in Row (9) Excludes	Certain ()	
(11) Percent of Class Represe	nted by	7 Amount in Row (9)	11.09%	
(12) Type of Reporting Person	(See	Instructions)	НС	
CUSIP NUMBER: 751212101				
(1) Names of Reporting Pe IRS Identification No			stments Corporation IRS No.51-0301132	
(2) Check the Appropriate (a) () (b) ()	Box it	a Member of a Group	(See Instructions)	
(3) SEC use only				
(4) Citizenship or Place	of Orga	anization	Delaware	
Number of Shares	(5)	Sole Voting Power	5,137,054	
Beneficially Owned by Each	(6)	Shared Voting Power	0	
Reporting Person With	(7)	Sole Dispositive Po	wer 5,947,231	
	(8)	Shared Dispositive	Power 0	
(9) Aggregate Amount Benefic by Each Reporting Person	ially (Dwned	6,141,414	

(10) Check if the Aggregated Am Shares (see Instructions)	nount in Row (9) Excludes Certain	()		
(11) Percent of Class Represent	ed by Amount in Row (9)	11.09%		
(12) Type of Reporting Person ((See Instructions)	НС		
CUSIP NUMBER: 751212101				
	(1) Names of Reporting Persons BNY Mellon Investment Management (Jersey) Limited IRS Identification Nos. of Above Persons IRS No.			
	Box if a Member of a Group (See In			
(3) SEC use only				
(4) Citizenship or Place of	f Organization	Jersey		
Number of Shares	(5) Sole Voting Power	4,311,530		
Beneficially Owned by Each Reporting Person With	(6) Shared Voting Power	0		
	(7) Sole Dispositive Power	5,225,605		
	(8) Shared Dispositive Power	0		
(9) Aggregate Amount Beneficially Owned by Each Reporting Person 5,225,605				
(10) Check if the Aggregated Amount in Row (9) Excludes Certain Shares (see Instructions) ()				
(11) Percent of Class Represented by Amount in Row (9) 9.44%				
(12) Type of Reporting Person (See Instructions) HC				
CUSIP NUMBER: 751212101				
(1) Names of Reporting Persons BNY Mellon Investment Management				
IRS Identification Nos.	(Europe) Limited IRS Identification Nos. of Above Persons IRS No.			
(2) Check the Appropriate E (a) () (b) ()	Box if a Member of a Group (See In	structions)		
(3) SEC use only				
(4) Citizenship or Place of Organization London				
Number of Shares Beneficially	(5) Sole Voting Power	4,311,530		
Owned by Each Reporting Person With	(6) Shared Voting Power	0		
	(7) Sole Dispositive Power	5,225,605		

	(8)	Shared Dispositive Power	0	
(9) Aggregate Amount Benefici by Each Reporting Person	ally O	wned	5,225,605	
(10) Check if the Aggregated A Shares (see Instructions)		in Row (9) Excludes Certain	()	
(11) Percent of Class Represer	nted by	Amount in Row (9)	9.44%	
(12) Type of Reporting Person	(See I	nstructions)	НС	
CUSIP NUMBER: 751212101				
(1) Names of Reporting Per		NY Mellon Investment Manage	ment	
IRS Identification Nos	Europe Holdings limited IRS Identification Nos. of Above Persons IRS No.			
(2) Check the Appropriate (a) () (b) ()	Box if	a Member of a Group (See I	nstructions)	
(3) SEC use only				
(4) Citizenship or Place of	of Organ	nization	London	
Number of Shares	(5)	Sole Voting Power	4,311,530	
Beneficially Owned by Each Reporting Person With	(6)	Shared Voting Power	0	
	(7)	Sole Dispositive Power	5,225,605	
	(8)	Shared Dispositive Power	0	
(9) Aggregate Amount Benefici by Each Reporting Person	ally O	wned	5,225,605	
(10) Check if the Aggregated Amount in Row (9) Excludes Certain Shares (see Instructions) ()				
(11) Percent of Class Represented by Amount in Row (9) 9.44%				
(12) Type of Reporting Person (See Instructions) HC				
CUSIP NUMBER: 751212101				
(1) Names of Reporting Per	1) Names of Reporting Persons BNY Mellon International Asset Management Group Limited IRS Identification Nos. of Above Persons IRS No.98-0464992			
IRS Identification Nos				
(2) Check the Appropriate (a) () (b) ()	Box if	a Member of a Group (See I	nstructions)	
(3) SEC use only				
(4) Citizenship or Place of Organization London				
Number of Shares Beneficially	(5)	Sole Voting Power	4,311,530	
Owned by Each Reporting Person	(6)	Shared Voting Power	0	

With	(7)	Sole Dispositive Power	5,225,605	
	(8)	Shared Dispositive Power	0	
(9) Aggregate Amount Benefi by Each Reporting Perso	-	- Dwned	5,225,605	
(10) Check if the Aggregated Shares (see Instruction		in Row (9) Excludes Certain	()	
(11) Percent of Class Repres	ented by	y Amount in Row (9)	9.44%	
(12) Type of Reporting Perso	n (See]	Instructions)	НС	
CUSIP NUMBER: 751212101				
(1) Names of Reporting P IRS Identification N		Newton Manage Above Persons IRS N	ement Limited 10.98-0196145	
(2) Check the Appropriat (a) () (b) ()	e Box if	f a Member of a Group (See I	nstructions)	
(3) SEC use only				
(4) Citizenship or Place	of Orga	anization	London	
Number of Shares	(5)	Sole Voting Power	4,311,530	
Beneficially Owned by Each	(6)	Shared Voting Power	0	
Reporting Person With	(7)	Sole Dispositive Power	5,225,605	
	(8)	Shared Dispositive Power	0	
(9) Aggregate Amount Benefi by Each Reporting Perso	_	Dwned	5,225,605	
(10) Check if the Aggregated Shares (see Instruction		in Row (9) Excludes Certain	()	
(11) Percent of Class Represented by Amount in Row (9) 9.44%				
(12) Type of Reporting Person (See Instructions) HC				
CUSIP NUMBER: 751212101				
(1) Names of Reporting Persons Newton Investment Management Limited IRS Identification Nos. of Above Persons IRS No.98-0196228				
(2) Check the Appropriat (a) () (b) ()	e Box if	a Member of a Group (See I	nstructions)	
(3) SEC use only				
(4) Citizenship or Place	of Orga	anization	London	
Number of Shares Beneficially	(5)	Sole Voting Power	4,104,721	
Owned by Each Reporting Person	(6)	Shared Voting Power	0	

With	J	(7)	Sole Dispositive Power	4,831,513	
		(8)	Shared Dispositive Power	0	
	egate Amount Beach Reporting	eneficially (-	4,831,513	
	k if the Aggree es (see Instru	_	in Row (9) Excludes Certain	()	
(11) Perc	ent of Class R	epresented by	Amount in Row (9)	8.72%	
(12) Type	of Reporting	Person (See I	Instructions)	IA	
		SCHE	EDULE 13G		
Item 1(a)	Name of Is	suer: Ralp	oh Lauren Corporation		
Item 1(b)	Address of	Issuer's Pri	incipal Executive Office:		
		N∈	50 Madison Avenue ew York, NY 10022 nited States		
Item 2(a)	Name of Pe	rson Filing:	The Bank of New York Mello and any other reporting pe identified on the second p cover page(s) and Exhibit	erson(s) part of the	
Item 2(b)	Address o		Business Office, or if None, C/O The Bank of New York Mell 225 Liberty Street New York, New York 10286 (for all reporting persor	lon Corporation	
Item 2(c)	Citizensh	ip:	See cover page and Exhibit	I	
Item 2(d) Title of Class of Securities: Common Stock					
CUSIP Number 751212101					
Item 3	See Item 12 (Person ") for		e(s) ("Type of Reporting ting person.		
Symbol Category					
			er registered under Section 1 nange Act of 1934	15 of the	
		nk as defined change Act of	d in Section 3(a)(6) of the S 1934	Securities	
			pany registered under Section pany Act of 1940	n 8 of the	
			lsor registered under Section Isors Act of 1940	n 203 of the	
			it Plan, Pension Fund which i		

Security Act of 1974 or Endowment Fund; see Section 240.13 - d(1)(b)(1)(ii)(F)

HC = Parent Holding Company, in accordance with Section 240.13-d(1)(b)(1)(ii)(G)

The amount beneficially owned includes, where appropriate, securities not outstanding which are subject to options, warrants, rights or conversion privileges that are exercisable within 60 days. The securities reported herein as beneficially owned may exclude securities of the issuer with respect to which voting and/or dispositive power is exercised by subsidiaries of The Bank of New York Mellon Corporation, or departments or units thereof, independently from the exercise of those powers over the securities reported herein. See SEC Release No. 34-39538 (January 12, 1998). The filing of this Schedule 13G shall not be construed as an admission that The Bank of New York Mellon Corporation, or its direct or indirect subsidiaries, including The Bank of New York Mellon and BNY Mellon, National Association, are for the purposes of Section 13(d) or 13(g) of the Act, the beneficial owners of any securities covered by this Schedule 13G.

The following information applies if checked: () The Bank of New York Mellon and/or () The Bank of New York Mellon Trust Company, National Association is/are the trustee of the issuer's employee benefit plan (the Plan), which is subject to ERISA. The securities reported include all shares held of record by such reporting person(s) as trustee of the Plan which have not been allocated to the individual accounts of employee participants in the Plan. The reporting person, however, disclaims beneficial ownership of all shares that have been allocated to the individual accounts of employee participants in the Plan for which directions have been received and followed.

Item 5 Ownership of Five Percent or Less of a Class:

If this statement is being filed to report the fact that as of the date hereof the reporting person has ceased to be the beneficial owner of more than five percent of the class of securities, check the following ()

Item 6 Ownership of More than Five Percent on Behalf of Another Person:

All of the securities are beneficially owned by The Bank of New York Mellon Corporation and its direct or indirect subsidiaries in their various fiduciary capacities. As a result, another entity in every instance is entitled to dividends or proceeds of sale. The number of individual accounts holding an interest of 5% or more is (1)

- Item 7 Identification and Classification of the Subsidiary Which Acquired
 the Security Being Reported by the Parent Holding Company:
 See Exhibit I.
- Item 8 Identification and Classification of Members of the Group: N/A
- Item 9 Notice of Dissolution of Group: N/A

Item 10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are held in the ordinary course of business and were not acquired and are not held for the purpose of and do not have the effect of changing or influencing the control of the issuer of such securities and were not acquired and are

not held in connection with or as a participant in any transaction having such purpose or effect.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct. This filing is signed by The Bank of New York Mellon Corporation on behalf of all reporting entities pursuant to Rule 13d-1(k)(1) promulgated under the Securities and Exchange Act of 1934, as amended.

Date: August 10, 2017

THE BANK OF NEW YORK MELLON CORPORATION

By: /s/ IVAN R. ARIAS

Ivan R. Arias
Attorney-In-Fact

EXHIBIT I

The shares reported on the attached Schedule 13G are beneficially owned by the following direct or indirect subsidiaries of The Bank of New York Mellon Corporation, as marked (X):

- (A) The Item 3 classification of each of the subsidiaries listed below is "Item 3(b) Bank as defined in Section 3(a)(6) of the Act" (15 U.S.C. 78c) or "Item 3(j)A non-U.S. institution in accordance with Rule 240.13d-1 (b)(1)(ii)(J)"
 - (X) The Bank of New York Mellon (parent holding company of Mellon Overseas Investment Corporation; BNY International Financing Corporation; The Bank of New York Mellon SA/NV; Cutwater Holdings, LLC)
 - () The Bank of New York Mellon Trust Company, National Association
 - (X) BNY Mellon, National Association
 - (X) BNY Mellon Trust of Delaware
 - (X) The Bank of New York Mellon SA/NV (parent holding company of BNY Mellon Service Kapitalanlage-Gesellschaft mbH)
- (B) The Item 3 classification of each of the subsidiaries listed below is "Item 3(e) An investment adviser in accordance with Section 240.13d-1 (b)(1)(ii)(E)" or "Item 3(j) A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J)"
 - () ARX Investimentos Ltda (parent holding company of BNY Mellon Alocacao de Patrimonia Ltda.)
 - () BNY Mellon Alocacao de Patrimonia Ltda
 - () BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A.(parent holding company of BNY Mellon Administração de Ativos Ltda.)
 - () BNY Mellon Administracao de Ativos Ltda.
 - () The Boston Company Asset Management LLC
 - (X) The Dreyfus Corporation (parent holding company of MBSC Securities Corporation)
 - () Insight Investment Management (Global) Limited
 - () Lockwood Advisors, Inc.
 - (X) Mellon Capital Management Corporation
 - (X) Newton Investment Management (North America) Limited
 - (X) Newton Investment Management Limited

- () Standish Mellon Asset Management Company LLC
- () CenterSquare Investment Management Holdings, Inc.(parent holding company of CenterSquare Investment Management, Inc.)
- () CenterSquare Investment Management, Inc.
- () Walter Scott & Partners Limited
- () BNY Mellon Wealth Management, Advisory Services, Inc.
- () BNY Mellon Trust Company (Cayman) Limited
- () BNY Mellon Investment Management Cayman Limited
- () Cutwater Asset Management Corporation
- () Cutwater Investor Services Corporation
- () Pareto Investment Management Limited
- () BNY Mellon Asset Management Japan Limited
- (C) The Item 3 classification of each of the subsidiaries listed below is "Item 3(a) Broker or dealer registered under Section 15 of the Act" (15 U.S.C. 78c) or "Item 3(j) A non-U.S. institution in accordance with Rule 240.13d-1(b)(1)(ii)(J)"
 - () BNY Mellon Capital Markets, LLC
 - (X) MBSC Securities Corporation
 - (X) Pershing LLC
- (D) The Item 3 classification of each of the subsidiaries listed below is "Item 3(g) a parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G)"
 - (X) The Bank of New York Mellon Corporation
 - (X) B.N.Y. Holdings (Delaware) Corporation (parent holding company of BNY Mellon Trust of Delaware)
 - (X) BNY Mellon IHC, LLC (as parent holding company of MBC Investments Corporation)
 - (X) MBC Investments Corporation (parent holding company of Mellon Capital Management Corporation; BNY Mellon Investment Management (Jersey) Ltd. ;BNY Mellon Investment Management APAC LP; Standish Mellon Asset Management Company LLC; The Boston Company Asset Management LLC; The Dreyfus Corporation; ARX Investimentos Ltda. - Brazil
 - (X) BNY Mellon Investment Management (Jersey) Ltd. (parent holding company of BNY Mellon Investment Management (Europe) Ltd.)
 - (X) BNY Mellon Investment Management (Europe) Ltd. (parent holding company of BNY Mellon Investment Management Europe Holdings Ltd.; BNY Mellon Investment Management Cayman Ltd.)
 - (X) BNY Mellon Investment Management Europe Holdings Ltd. (parent holding company of BNY Mellon International Asset Management Group Limited)
 - (X) BNY Mellon International Asset Management Group Limited (parent holding company of Newton Management Limited; BNY Mellon International Asset Management (Holdings) Limited; Insight Investment Management Limited)
 - (X) Newton Management Limited (parent holding company of Newton Investment Management (North America) Limited; Newton Investment Management Limited)
 - () BNY Mellon International Asset Management (Holdings) Limited (parent holding company of BNY Mellon International Asset Management (Holdings) No. 1 Limited)
 - () BNY Mellon International Asset Management (Holdings) No. 1 Limited (parent holding company of Walter Scott & Partners Limited)
 - () Insight Investment Management Limited (parent holding company of Insight Investment Management (Global) Limited; Pareto Investment Management Limited)
 - () BNY Mellon Investment Management APAC LP (Parent holding company of BNY Mellon Investment Management (APAC) Holdings Limited
 - () BNY Mellon Investment Management (APAC) Holdings Limited (parent holding company of BNY Mellon Asset Management Japan Limited)

- (X) Pershing Group LLC (parent holding company of Lockwood Advisors, Inc; Pershing LLC)
- () Mellon Overseas Investment Corporation (parent holding company of Mellon Canada Holding Company; BNY Mellon Participacoes Ltda.)
- () Mellon Canada Holding Company (parent holding company of BNY Mellon Wealth Management, Advisory Services, Inc)
- () BNY Mellon Participacoes Ltda.(parent holding company of BNY Mellon Servicos Financeiros Distribuidora de Titulos e Valores Mobiliarios S.A.)
- () BNY International Financing Corporation (parent holding company of BNY Mellon Trust Company (Cayman) Limited)
- () Cutwater Holdings LLC (parent holding company of Cutwater Asset Management Corporation; Cutwater Investor Services Corporation)
- () BNY Capital Markets Holdings, Inc. (parent holding company of BNY Mellon Capital Markets, LLC)

NOTE: ALL OF THE LEGAL ENTITIES LISTED UNDER (A), (B), (C) AND (D) ABOVE ARE DIRECT OR INDIRECT SUBSIDIARIES OF THE BANK OF NEW YORK MELLON CORPORATION. BENEFICIAL OWNERSHIP OF MORE THAN FIVE PERCENT OF THE CLASS BY ANY ONE OF THE SUBSIDIARIES OR INTERMEDIATE PARENT HOLDING COMPANIES LISTED ABOVE IS REPORTED ON A JOINT REPORTING PERSON PAGE FOR THAT SUBSIDIARY ON THE ATTACHED SCHEDULE 13G AND IS INCORPORATED IN THE TOTAL PERCENT OF CLASS REPORTED ON THE BANK OF NEW YORK MELLON CORPORATION'S REPORTING PERSON PAGE. (DO NOT ADD THE SHARES OR PERCENT OF CLASS REPORTED ON EACH JOINT REPORTING PERSON PAGE ON THE ATTACHED SCHEDULE 13G TO DETERMINE THE TOTAL PERCENT OF CLASS FOR THE BANK OF NEW YORK MELLON CORPORATION).

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS that each of the undersigned (each a "Company") does hereby make, constitute and appoint each of Nicholas R. Darrow, Ivan Arias and Andrew Weiser (and any other employee of The Bank of New York Mellon Corporation, or one of its affiliates, associated with the Global Holdings Reporting Group and designated in writing by one of the attorneys-in-fact), acting individually, its true and lawful attorney to execute and deliver in its name and on its behalf, whether the Company is acting individually or as representative of others, any and all filings, be they written or oral, required to be made by the Company with respect to securities which may be deemed to be beneficially owned by the Company or under the Company's investment discretion under:

*the Securities Exchange Act of 1934, as amended (the "Exchange Act"), including those filings required to be submitted on Form 13F, Schedule 13G, Schedule 13D and Forms 3, 4 and 5, and

*the laws of any jurisdiction other than the United States of America, including those filings made to disclose securities holdings as required to be submitted to regulatory agencies, exchanges and/or issuers,

giving and granting unto each said attorney-in-fact power and authority to correspond with issuers, regulatory authorities, and other entities as is required in support of the filings referenced above, and to act in the premises as fully and to all intents and purposes as the Company might or could do to comply with the applicable regulations if personally present by one of its authorized signatories (including, but not limited to, instructing local counsel on a Company's behalf), hereby ratifying

and confirming all that said attorney-in-fact shall lawfully do or cause

THIS POWER OF ATTORNEY shall remain in full force and effect until either revoked in writing by the Company or until such time as the person or to whom power of attorney has been hereby granted cease(s) to be an persons employee of The Bank of New York Mellon Corporation or one of its affiliates.

This Power of Attorney may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

| Banks/Bank Holding Companies

THE BANK OF NEW YORK MELLON

CORPORATION

By: /S/ MITCHELL E.HARRIS
----Mitchell E. Harris
Chief Executive Officer,
Investment Management

Date: March 17, 2017

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ THOMAS J. DICKER

Thomas J. Dicker
Chief Operating Officer
Date: October 9, 2015

THE BANK OF NEW YORK MELLON

By: /S/ MITCHELL E. HARRIS

----Mitchell E. Harris
Senior Executive Vice President
Date: September 18, 2015

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ ANTONIO PORTUONDO

Antonio Portuondo
President
Date: October 20, 2015

BNY MELLON TRUST OF DELAWARE

By: /S/ JAMES P. AMBAGIS

James P. Ambagis

President

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ DONALD HEBERLE

----Donald Heberle
Chief Executive Officer

Date: September 16, 2015

THE BANK OF NEW YORK MELLON SA/NV

By: /S/ LAURA AHTO

Laura Ahto
Chief Executive Officer
Date: May 17, 2016

THE BANK OF NEW YORK MELLON

By: /S/ CURTIS ARLEDGE

Curtis Arledge
Vice Chairman
Date: August 26, 2015

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ KURTIS R. KURIMSKY

----Kurtis R. Kurimsky
Executive Vice President
Date: March 8, 2016

BNY MELLON TRUST OF DELAWARE

By: /S/ LEE JAMES WOOLLEY

Lee James Woolley
Chairman and

Chief Executive Officer

Date: October 21, 2015 Date: October 19, 2015

Investment Advisers and/or Broker-Dealers

PERSHING LLC BNY MELLON CAPITAL MARKETS, LLC

By: /S/ CLAIRE SANTANIELLO By: /S/ JEFF GEARHART

Claire Santaniello Jeff Gearhart
Chief Administrative Officer Chief Operating Officer
and Chief Risk Officer

Date: May 24, 2016 Date: October 19, 2016

ARX INVESTIMENTOS LTDA ARX INVESTIMENTOS LTDA

By: /S/ CAMILA SOUZA

Camila Souza

By: /S/ GUILHERME ABRY

Guilherme Abry

Director Date: January 4, 2016 Date: January 4, 2016

BNY MELLON SERVICOS FINANCEIROS BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES

MOBILIARIOS S.A.

By: /S/ CARLOS ALBERTO SARAIVA

By: /S/ MARCUS VINICIUS MATHIAS PEREIRA

Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira
Director Director

Date: May 5, 2016 Date: May 5, 2016

BNY MELLON ADMINISTRACAO DE ATIVOS

BNY MELLON ADMINISTRACAO DE ATIVOS

LTDA

By: /S/ CARLOS ALBERTO SARAIVA

Carlos Alberto Saraiva

By: /S/ MARCUS VINICIUS MATHIAS PEREIRA

Marcus Vinicius Mathias Pereira

Director Director

Date: May 5, 2016 Date: May 5, 2016

BNY MELLON ALOCACAO DE PATRIMONIO BNY MELLON ALOCACAO DE PATRIMONIO LTDA LTDA

By: /S/ GUSTAVO CASTELLO BRANCO By: /S/ CAMILA SOUZA

Gustavo Castello Branco Camila Souza
Director Director

Date: January 4, 2016 Date: January 4, 2016

THE BOSTON COMPANY ASSET MANAGEMENT BNY MELLON ASSET MANAGEMENT JAPAN LLC.

By: /S/ BART GRENIER By: /S/ SHIZU KISHIMOTO

Bart Grenier Chairman and

Chief Executive Officer

Date: July 16, 2015

THE DREYFUS CORPORATION

By: /S/ JAMES BITETTO

James Bitetto Secretary

Date: July 30, 2015

LOCKWOOD ADVISORS, INC.

By: /S/ JOHN J. BRETT

Table T. Deet I

John J. Brett Chairman

Date: July 30, 2015

MELLON CAPITAL MANAGEMENT CORPORATION

By: /S/ W. CHRISTOPHER APPLER

W. Christopher Appler Managing Director and Chief Compliance Officer

Date: August 4, 2015

NEWTON INVESTMENT MANAGEMENT LIMITED

By: /S/ JAMES HELBY

James Helby

Director
Date: July 17, 2015

CENTERSQUARE INVESTMENT MANAGEMENT

HOLDINGS, INC.

By: /S/ R. JOSEPH LAW

R. Joseph Law

Chief Financial Officer and Chief Compliance Officer

Date: July 15, 2015

WALTER SCOTT & PARTNERS LIMITED

By: /S/ RODGER NISBET

Shizu Kishimoto

Representative Director

and President

Date: August 5, 2015

INSIGHT INVESTMENT MANAGEMENT

(GLOBAL) LIMITED

By: /s/ CHARLES FARQUHARSON

Charles Farquharson Chief Risk Officer

Date: February 16, 2016

STANDISH MELLON ASSET MANAGEMENT

COMPANY LLC

By: /S/ DAVID LEDUC

David Leduc

Chief Executive Officer and Chief Investment Officer

Date: October 23, 2015

MBSC SECURITIES CORPORATION

By: /S/ KENNETH J. BRADLE

Kenneth J. Bradle

President

Date: April 29, 2016

NEWTON INVESTMENT MANAGEMENT

(NORTH AMERICA) LIMITED

By: /S/ JAMES HELBY

James Helby Chief Risk Officer

Date: June 30, 2016

CENTERSQUARE INVESTMENT MANAGEMENT,

TNC

By: /S/ R. JOSEPH LAW

R. Joseph Law

Chief Financial Officer and Chief Compliance Officer

Date: July 15, 2015

PARETO INVESTMENT MANAGEMENT LIMITED

By: /S/ CHARLES FARQUHARSON

Rodger Nisbet Charles Farquharson Chief Risk Officer Executive Chairman Date: July 15, 2015 Date: February 16, 2016 BNY MELLON WEALTH MANAGEMENT, BNY MELLON INVESTMENT MANAGEMENT CAYMAN LTD ADVISORY SERVICES, INC. By: /S/ MARIE-CLAUDE LEPAGE By: /S/ BRENDON J. DONNELLAN Marie-Claude Lepage Brendon J.Donnellan Chief Compliance Officer Director Date: May 9, 2016 Date: August 22, 2016 BNY MELLON TRUST COMPANY BNY MELLON TRUST COMPANY (CAYMAN) LIMITED (CAYMAN) LIMITED By: CANELLA SECRETARIES By: CANELLA SECRETARIES (CAYMAN) LTD, SECRETARY (CAYMAN) LTD, SECRETARY By: /S/GILLIAN NELSON By: /S/ PATRICIA BRUZIO _____ ______ Gillian Nelson Patricia Bruzio Authorized Person Authorized Person Date: May 17, 2016 Date: May 17, 2016 CUTWATER INVESTOR SERVICES CUTWATER ASSET MANAGEMENT CORPORATION CORPORATION By: /S/ CLIFFORD CORSO By: /S/ CLIFFORD CORSO _____ _____ Chief Executive Officer Clifford Corso Chief Executive Officer Date: March 16, 2015 Date: March 16, 2015 Parent Holding Companies/Control Persons B.N.Y. HOLDINGS (DELAWARE) CORPORATION PERSHING GROUP LLC By: /S/ CLAIRE SANTANIELLO By: /S/ JAMES P. AMBAGIS -----James P. Ambagis Claire Santaniello President Chief Administrative Officer and Chief Risk Officer Date: October 21, 2015 Date: May 11, 2016 BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT (APAC) HOLDINGS LIMITED (APAC) HOLDINGS LIMITED By: /S/ DONI SHAMSUDDIN By: /S/ EMILY CHAN

Doni Shamsuddin

Director

Date: April 19, 2016

Emily Chan

Date: April 19, 2016

Director

BNY MELLON INTERNATIONAL ASSET

MANAGEMENT GROUP LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

BNY MELLON IHC, LLC

By: /S/ KURTIS R. KURIMSKY

_____ Kurtis R. Kurimsky Vice President and

Controller

Date: March 29, 2017

MELLON OVERSEAS INVESTMENT CORPORATION

By: /S/ KURTIS R. KURIMSKY

Kurtis R. Kurimsky Vice President and Controller

Date: October 7, 2015

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ KURTIS R. KURIMSKY

Kurtis R. Kurimsky President and Comptroller

Date: May 12, 2016

BNY MELLON INVESTMENT MANAGEMENT

EUROPE HOLDINGS LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

(JERSEY) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

NEWTON MANAGEMENT LIMITED

By: /S/ HELENA MORRISSEY

Helena Morrissey Director

Date: July 17, 2015

MBC INVESTMENTS CORPORATION

By: /S/ PAUL A. GRIFFITHS

Paul A. Griffiths Chairman, President and Chief Executive Officer

Date: April 29, 2016

INSIGHT INVESTMENT MANAGEMENT

LIMITED

By: /S/ CHARLES FARQUHARSON

Charles Farquharson Chief Risk Officer

Date: February 16, 2016

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ JOHN M. ROY

John M. Roy

Vice President

Date: August 15, 2016

BNY MELLON INVESTMENT MANAGEMENT

(EUROPE) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

BNY MELLON INVESTMENT MANAGEMENT BNY CAPITAL MARKETS HOLDINGS, INC.

By: /S/ THOMAS P. GIBBONS

Thomas P. Gibbons

Vice Chairman and Chief

Financial Officer

Date: October 24, 2015

BNY MELLON INTERNATIONAL ASSET MANAGEMENT (HOLDINGS) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

MELLON CANADA HOLDING COMPANY

By: /S/ KELLY SCHWARTZ _____

Kelly Schwartz

President and Director

Date: May 3, 2016

BNY MELLON PARTICIPACOES LTDA

Carlos Alberto Saraiva

Director

Date: May 5, 2016

BNY MELLON INVESTMENT MANAGEMENT

By: BNY MELLON INVESTMENT MANAGEMENT HOLDINGS, LLC, GENERAL PARTNER

By: /S/ PAUL A. GRIFFITHS

Paul A. Griffiths

President

Date: April 29, 2016

By: /S/ KATARINA MELVAN -----

Katarina Melvan Managing Director(Chairman)

Date: August 19, 2016

BNY MELLON INTERNATIONAL ASSET

MANAGEMENT (HOLDINGS) No. 1 LIMITED

Greg Brisk Director

By: /S/ GREG BRISK

Date: October 21, 2015

CUTWATER HOLDINGS, LLC

By: /S/ CLIFFORD CORSO _____

Clifford Corso

Chief Executive Officer

Date: March 16, 2015

BNY MELLON PARTICIPACOES LTDA

By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA

Marcus Vinicius Mathias Pereira

Director

Date: May 5, 2016

Fund Administrators

BNY MELLON SERVICE KAPITALANLAGE- BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH GESELLSCHAFT mbH

> By: /S/ CAROLINE SPECHT _____

Caroline Specht Managing Director Date: August 19, 2016

JOINT FILING AGREEMENT

In accordance with Rule 13d-1(k)(1) under the Securities Exchange Act of 1934, as amended (the "Exchange Act"), the undersigned hereby agree to any and all joint filings required to be made on their behalf on Schedule 13G (including amendments thereto) under the Exchange Act, with respect to

securities which may be deemed to be beneficially owned by them under the Exchange Act, and that this Agreement be included as an Exhibit to any such joint filing. This Agreement may be executed in any number of counterparts all of which taken together shall constitute one and the same instrument.

IN WITNESS WHEREOF, the undersigned hereby execute this Agreement effective as of the date set forth below.

Banks/Bank Holding Companies

THE BANK OF NEW YORK MELLON CORPORATION

BNY MELLON, NATIONAL ASSOCIATION

By: /S/ MITCHELL E.HARRIS ______

By: /S/ DONALD HEBERLE _____

Mitchell E. Harris Chief Executive Officer, Investment Management

Donald Heberle Chief Executive Officer

Date: March 17, 2017

Date: September 16, 2015

BNY MELLON, NATIONAL ASSOCIATION

THE BANK OF NEW YORK MELLON SA/NV

By: /S/ THOMAS J. DICKER _____

By: /S/ LAURA AHTO _____

Thomas J. Dicker Chief Operating Officer Date: October 9, 2015

Laura Ahto Chief Executive Officer

Date: May 17, 2016

THE BANK OF NEW YORK MELLON

THE BANK OF NEW YORK MELLON

By: /S/ MITCHELL E. HARRIS -----

Date: August 27, 2015

By: /S/ CURTIS ARLEDGE _____

Mitchell E. Harris Senior Executive Vice President

Curtis Arledge Vice Chairman Date: August 26, 2015

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

THE BANK OF NEW YORK MELLON TRUST COMPANY, NATIONAL ASSOCIATION

By: /S/ ANTONIO PORTUONDO

By: /S/ KURTIS R. KURIMSKY _____

-----Antonio Portuondo

Kurtis R. Kurimsky Executive Vice President Date: March 8, 2016

Date: October 20, 2015

President

BNY MELLON TRUST OF DELAWARE

BNY MELLON TRUST OF DELAWARE

By: /S/ JAMES P. AMBAGIS _____ By: /S/ LEE JAMES WOOLLEY _____

James P. Ambagis President

Lee James Woolley Chairman and Chief Executive Officer

Date: October 21, 2015 Date: October 19, 2015

Investment Advisers and/or Broker-Dealers ______ PERSHING LLC BNY MELLON CAPITAL MARKETS, LLC By: /S/ CLAIRE SANTANIELLO By: /S/ JEFF GEARHART _____ _____ Claire Santaniello Jeff Gearhart Chief Administrative Officer Chief Operating Officer and Chief Risk Officer Date: May 24, 2016 Date: October 19, 2016 ARX INVESTIMENTOS LTDA ARX INVESTIMENTOS LTDA By: /S/ CAMILA SOUZA By: /S/ GUILHERME ABRY Camila Souza Guilherme Abry Director Director Date: January 4, 2016 Date: January 4, 2016 BNY MELLON SERVICOS FINANCEIROS BNY MELLON SERVICOS FINANCEIROS DISTRIBUIDORA DE TITULOS E VALORES DISTRIBUIDORA DE TITULOS E VALORES MOBILIARIOS S.A. MOBILIARIOS S.A. By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA _____ _____ Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON ADMINISTRAÇÃO DE ATIVOS BNY MELLON ADMINISTRACAO DE ATIVOS LTDA T₁TDA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA By: /S/ CARLOS ALBERTO SARAIVA _____ _____ Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON ALOCACAO DE PATRIMONIO BNY MELLON ALOCACAO DE PATRIMONIO LTDA LTDA By: /S/ GUSTAVO CASTELLO BRANCO By: /S/ CAMILA SOUZA _____ _____ Gustavo Castello Branco Camila Souza Director Director Date: January 4, 2016 Date: January 4, 2016 THE BOSTON COMPANY ASSET MANAGEMENT BNY MELLON ASSET MANAGEMENT JAPAN LLC LIMITED By: /S/ BART GRENIER By: /S/ SHIZU KISHIMOTO _____ _____ Bart Grenier Shizu Kishimoto

Representative Director

and President

Chairman and

Chief Executive Officer

Date: July 16, 2015 Date: August 5, 2015

THE DREYFUS CORPORATION INSIGHT INVESTMENT MANAGEMENT

(GLOBAL) LIMITED

By: /S/ JAMES BITETTO By: /s/ CHARLES FARQUHARSON

James Bitetto Charles Farquharson
Secretary Chief Risk Officer
Date: July 30, 2015 Date: February 16, 2016

LOCKWOOD ADVISORS, INC. STANDISH MELLON ASSET MANAGEMENT

COMPANY LLC

By: /S/ JOHN J. BRETT By: /S/ DAVID LEDUC

John J. Brett David Leduc
Chairman Chief Executive Officer

and Chief Investment Officer

Date: July 30, 2015 Date: October 23, 2015

MELLON CAPITAL MANAGEMENT MBSC SECURITIES CORPORATION

CORPORATION

By: /S/ W. CHRISTOPHER APPLER

W. Christopher Appler

Managing Director and

By: /S/ KENNETH J. BRADLE

Kenneth J. Bradle

President

Chief Compliance Officer
Date: August 4, 2015
Date: April 29, 2016

NEWTON INVESTMENT MANAGEMENT LIMITED NEWTON INVESTMENT MANAGEMENT

(NORTH AMERICA) LIMITED

By: /S/ JAMES HELBY
By: /S/ JAMES HELBY

James Helby
Director
Date: July 17, 2015

James Helby
Chief Risk Officer
Date: June 30, 2016

CENTERSQUARE INVESTMENT MANAGEMENT CENTERSQUARE INVESTMENT MANAGEMENT, HOLDINGS, INC.

By: /S/ R. JOSEPH LAW

By: /S/ R. JOSEPH LAW

R. Joseph Law
Chief Financial Officer and
Chief Compliance Officer

Chief Compliance Officer

R. Joseph Law
Chief Financial Officer and
Chief Compliance Officer

Date: July 15, 2015 Date: July 15, 2015

WALTER SCOTT & PARTNERS LIMITED PARETO INVESTMENT MANAGEMENT LIMITED

By: /S/ RODGER NISBET

Rodger Nisbet

By: /S/ CHARLES FARQUHARSON

Charles Farguharson

Rodger Nisbet Charles Farquharson
Executive Chairman Chief Risk Officer
Date: July 15, 2015 Date: February 16, 2016

BNY MELLON WEALTH MANAGEMENT, BNY MELLON INVESTMENT MANAGEMENT ADVISORY SERVICES, INC. CAYMAN LTD By: /S/ MARIE-CLAUDE LEPAGE By: /S/ BRENDON J. DONNELLAN ______ ______ Marie-Claude Lepage Brendon J.Donnellan Chief Compliance Officer Director Date: May 9, 2016 Date: August 22, 2016 BNY MELLON TRUST COMPANY BNY MELLON TRUST COMPANY (CAYMAN) LIMITED (CAYMAN) LIMITED By: CANELLA SECRETARIES By: CANELLA SECRETARIES (CAYMAN) LTD, SECRETARY (CAYMAN) LTD, SECRETARY By: /S/GILLIAN NELSON By: /S/ PATRICIA BRUZIO -----_____ Gillian Nelson Patricia Bruzio Authorized Person Authorized Person Date: May 17, 2016 Date: May 17, 2016 CUTWATER INVESTOR SERVICES CUTWATER ASSET MANAGEMENT CORPORATION CORPORATION By: /S/ CLIFFORD CORSO By: /S/ CLIFFORD CORSO _____ _____ Clifford Corso Clifford Corso Chief Executive Officer Chief Executive Officer
e: March 16. 2015 Date: March 16, 2015 Date: March 16, 2015 ______ Parent Holding Companies/Control Persons ______ B.N.Y. HOLDINGS (DELAWARE) CORPORATION PERSHING GROUP LLC By: /S/ CLAIRE SANTANIELLO By: /S/ JAMES P. AMBAGIS James P. Ambagis Claire Santaniello Chief Administrative Officer President and Chief Risk Officer Date: October 21, 2015 Date: May 11, 2016 BNY MELLON INVESTMENT MANAGEMENT BNY MELLON INVESTMENT MANAGEMENT (APAC) HOLDINGS LIMITED (APAC) HOLDINGS LIMITED By: /S/ EMILY CHAN By: /S/ DONI SHAMSUDDIN Emily Chan Doni Shamsuddin Director Director Date: April 19, 2016 Date: April 19, 2016

BNY MELLON INTERNATIONAL ASSET NEWTON MANAGEMENT LIMITED

MANAGEMENT GROUP LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

BNY MELLON IHC, LLC

By: /S/ KURTIS R. KURIMSKY

Kurtis R. Kurimsky Vice President and Controller

Date: March 29, 2017

MELLON OVERSEAS INVESTMENT CORPORATION

By: /S/ KURTIS R. KURIMSKY

_____ Kurtis R. Kurimsky

Vice President and Controller

Date: October 7, 2015

BNY INTERNATIONAL FINANCING CORPORATION

By: /S/ KURTIS R. KURIMSKY _____

Kurtis R. Kurimsky President and Comptroller

Date: May 12, 2016

BNY MELLON INVESTMENT MANAGEMENT EUROPE HOLDINGS LIMITED

By: /S/ GREG BRISK

Greg Brisk

Director

Date: October 21, 2015

BNY MELLON INVESTMENT MANAGEMENT (JERSEY) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015 Date: October 24, 2015

By: /S/ GREG BRISK

By: /S/ HELENA MORRISSEY _____

Helena Morrissey

Director

Date: July 17, 2015

MBC INVESTMENTS CORPORATION

By: /S/ PAUL A. GRIFFITHS

Paul A. Griffiths Chairman, President and Chief Executive Officer

Date: April 29, 2016

INSIGHT INVESTMENT MANAGEMENT

LIMITED

By: /S/ CHARLES FARQUHARSON -----

Charles Farquharson

Chief Risk Officer Date: February 16, 2016

BNY INTERNATIONAL FINANCING

CORPORATION

By: /S/ JOHN M. ROY

John M. Roy Vice President

Date: August 15, 2016

BNY MELLON INVESTMENT MANAGEMENT

(EUROPE) LIMITED

By: /S/ GREG BRISK

Greg Brisk Director

Date: October 21, 2015

BNY CAPITAL MARKETS HOLDINGS, INC.

By: /S/ THOMAS P. GIBBONS

Thomas P. Gibbons Vice Chairman and Chief

Financial Officer

BNY MELLON INTERNATIONAL ASSET
MANAGEMENT (HOLDINGS) LIMITED

BNY MELLON INTERNATIONAL ASSET
MANAGEMENT (HOLDINGS) No. 1 LIMITED

By: /S/ GREG BRISK

Greg Brisk Greg Brisk Director Director Date: October 21, 2015 Date: October 21, 2015 MELLON CANADA HOLDING COMPANY CUTWATER HOLDINGS, LLC By: /S/ CLIFFORD CORSO By: /S/ KELLY SCHWARTZ Kelly Schwartz Clifford Corso Chief Executive Officer President and Director Date: May 3, 2016 Date: March 16, 2015 BNY MELLON PARTICIPACOES LTDA BNY MELLON PARTICIPACOES LTDA By: /S/ CARLOS ALBERTO SARAIVA By: /S/ MARCUS VINICIUS MATHIAS PEREIRA _____ _____ Carlos Alberto Saraiva Marcus Vinicius Mathias Pereira Director Director Date: May 5, 2016 Date: May 5, 2016 BNY MELLON INVESTMENT MANAGEMENT By: BNY MELLON INVESTMENT MANAGEMENT HOLDINGS, LLC, GENERAL PARTNER By: /S/ PAUL A. GRIFFITHS _____ Paul A. Griffiths President Date: April 29, 2016 ______ Fund Administrators ______ BNY MELLON SERVICE KAPITALANLAGE- BNY MELLON SERVICE KAPITALANLAGE-GESELLSCHAFT mbH GESELLSCHAFT mbH By: /S/ CAROLINE SPECHT By: /S/ KATARINA MELVAN _____ _____

Katarina Melvan

Date: August 19, 2016

Managing Director(Chairman)

Caroline Specht

Managing Director

Date: August 19, 2016

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