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**SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

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**SCHEDULE 13G**

**Under the Securities and Exchange Act of 1934**

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**Newpark Resources, Inc.**

(Name of Issuer)

**Common Stock**

(Title of Class of Securities)

**651718504**

(CUSIP Number)

**October 31, 2020**

(Date of Event Which Requires Filing of this Statement)

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

This Schedule is filed pursuant to Rule 13d-1(b)

The information required in the remainder of this cover page (except any items to which the form provides a cross-reference) 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.

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1)	Name of Reporting Person Ameriprise Financial, Inc.  S.S. or I.R.S. Identification No. of Above Person IRS No. 13-3180631	
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.	
3)	SEC Use Only	
4)	Citizenship or Place of Organization  Delaware	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5)	Sole Voting Power  0
	6)	Shared Voting Power  10,972,057
	7)	Sole Dispositive Power  0
	8)	Shared Dispositive Power  10,972,057
9)	Aggregate Amount Beneficially Owned by Each Reporting Person  10,972,057	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares  Not Applicable	
11)	Percent of Class Represented by Amount In Row (9)  12.10%	
12)	Type of Reporting Person  HC	

1)	Name of Reporting Person Ameriprise International Holdings GmbH	
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.	
3)	SEC Use Only	
4)	Citizenship or Place of Organization  Switzerland	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5)	Sole Voting Power  0
	6)	Shared Voting Power  8,003,232
	7)	Sole Dispositive Power  0
	8)	Shared Dispositive Power  8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person  8,003,232	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares  Not Applicable	
11)	Percent of Class Represented by Amount In Row (9)  8.83%	
12)	Type of Reporting Person  FI	

1)	Name of Reporting Person Threadneedle Asset Management Holdings Sarl	
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.	
3)	SEC Use Only	
4)	Citizenship or Place of Organization  Luxembourg	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5)	Sole Voting Power  0
	6)	Shared Voting Power  8,003,232
	7)	Sole Dispositive Power  0
	8)	Shared Dispositive Power  8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person  8,003,232	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares  Not Applicable	
11)	Percent of Class Represented by Amount In Row (9)  8.83%	
12)	Type of Reporting Person  FI	

1)	Name of Reporting Person  Threadneedle Holdings Limited	
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.	
3)	SEC Use Only	
4)	Citizenship or Place of Organization  England and Wales	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5)	Sole Voting Power  0
	6)	Shared Voting Power  8,003,232
	7)	Sole Dispositive Power  0
	8)	Shared Dispositive Power  8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person  8,003,232	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares  Not Applicable	
11)	Percent of Class Represented by Amount In Row (9)  8.83%	
12)	Type of Reporting Person  FI	

1)	Name of Reporting Person TAM UK Holdings Limited
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.
3)	SEC Use Only
4)	Citizenship or Place of Organization England and Wales
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5) Sole Voting Power 0
	6) Shared Voting Power 8,003,232
	7) Sole Dispositive Power 0
	8) Shared Dispositive Power 8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person 8,003,232
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable
11)	Percent of Class Represented by Amount In Row (9) 8.83%
12)	Type of Reporting Person FI

1)	Name of Reporting Person Threadneedle Asset Management Holdings Limited
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.
3)	SEC Use Only
4)	Citizenship or Place of Organization England and Wales
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5) Sole Voting Power 0
	6) Shared Voting Power 8,003,232
	7) Sole Dispositive Power 0
	8) Shared Dispositive Power 8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person 8,003,232
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable
11)	Percent of Class Represented by Amount In Row (9) 8.83%
12)	Type of Reporting Person FI

1)	Name of Reporting Person TC Financing Ltd
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.
3)	SEC Use Only
4)	Citizenship or Place of Organization England and Wales
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5) Sole Voting Power 0
	6) Shared Voting Power 8,003,232
	7) Sole Dispositive Power 0
	8) Shared Dispositive Power 8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person 8,003,232
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable
11)	Percent of Class Represented by Amount In Row (9) 8.83%
12)	Type of Reporting Person FI

1)	Name of Reporting Person Threadneedle Asset Management Limited
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.
3)	SEC Use Only
4)	Citizenship or Place of Organization England and Wales
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5) Sole Voting Power 0
	6) Shared Voting Power 8,003,232
	7) Sole Dispositive Power 0
	8) Shared Dispositive Power 8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person 8,003,232
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable
11)	Percent of Class Represented by Amount In Row (9) 8.83%
12)	Type of Reporting Person FI

1)	Name of Reporting Person TAM UK International Holdings Limited	
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.	
3)	SEC Use Only	
4)	Citizenship or Place of Organization  England and Wales	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5)	Sole Voting Power  0
	6)	Shared Voting Power  8,003,232
	7)	Sole Dispositive Power  0
	8)	Shared Dispositive Power  8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person  8,003,232	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares  Not Applicable	
11)	Percent of Class Represented by Amount In Row (9)  8.83%	
12)	Type of Reporting Person  FI	

1)	Name of Reporting Person Threadneedle Asset Management Oversight Limited	
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *  * This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.	
3)	SEC Use Only	
4)	Citizenship or Place of Organization England and Wales	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5)	Sole Voting Power 0
	6)	Shared Voting Power 8,003,232
	7)	Sole Dispositive Power 0
	8)	Shared Dispositive Power 8,003,232
9)	Aggregate Amount Beneficially Owned by Each Reporting Person 8,003,232	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares Not Applicable	
11)	Percent of Class Represented by Amount In Row (9) 8.83%	
12)	Type of Reporting Person FI	

1)	Name of Reporting Person Threadneedle American Smaller Companies Fund, a sub-fund of Threadneedle Investment Funds ICVC	
2)	Check the Appropriate Box if a Member of a Group (a) <input type="checkbox"/> (b) <input checked="" type="checkbox"/> *	
	* This filing describes the reporting person's relationship with other persons, but the reporting person does not affirm the existence of a group.	
3)	SEC Use Only	
4)	Citizenship or Place of Organization  England and Wales	
NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH	5)	Sole Voting Power  5,479,635
	6)	Shared Voting Power  0
	7)	Sole Dispositive Power  0
	8)	Shared Dispositive Power  5,479,635
9)	Aggregate Amount Beneficially Owned by Each Reporting Person  5,479,635	
10)	Check if the Aggregate Amount in Row (9) Excludes Certain Shares  Not Applicable	
11)	Percent of Class Represented by Amount In Row (9)  6.04%	
12)	Type of Reporting Person  IV	

1(a)	Name of Issuer:	Newpark Resources, Inc.
1(b)	Address of Issuer's Principal Executive Offices:	Tupolevlaan 24, 1119 NX Schiphol-RIJK P7 00000
2(a)	Name of Person Filing:	<ul style="list-style-type: none"> <li>(a) Ameriprise Financial, Inc. ("AFI")</li> <li>(b) Ameriprise International Holdings GmbH ("AIHG")</li> <li>(c) Threadneedle Asset Management Holdings Sarl ("TAMH")</li> <li>(d) Threadneedle Holdings Limited ("THL")</li> <li>(e) TAM UK Holdings Limited ("TUHL")</li> <li>(f) Threadneedle Asset Management Holdings Limited ("TAMHL")</li> <li>(g) TC Financing Ltd ("TCFL")</li> <li>(h) Threadneedle Asset Management Limited ("TAML")</li> <li>(i) TAM UK International Holdings Limited ("TAMUKI")</li> <li>(j) Threadneedle Asset Management Oversight Limited ("TAMOL")</li> <li>(k) Threadneedle American Smaller Companies Fund, a sub-fund of Threadneedle Investment Funds ICVC ("Fund")</li> </ul> <p>Persons (a) through (j) are sometimes referred to herein as the "Ameriprise Entities".</p>
2(b)	Address of Principal Business Office:	<ul style="list-style-type: none"> <li>(a) Ameriprise Financial, Inc. 145 Ameriprise Financial Center Minneapolis, MN 55474</li> <li>(b) Lambrigger Treuhand AG, Industriestrasse 49, 6300 Zug, Switzerland</li> <li>(c) 19 rue de Bitbourg, Luxembourg, 1273</li> <li>(d) Cannon Place, 78 Cannon Street, London, EC4N 6AG</li> <li>(e) Cannon Place, 78 Cannon Street, London, EC4N 6AG</li> <li>(f) Cannon Place, 78 Cannon Street, London, EC4N 6AG</li> <li>(g) Cannon Place, 78 Cannon Street, London, EC4N 6AG</li> <li>(h) Cannon Place, 78 Cannon Street, London, EC4N 6AG</li> </ul>

(i) Cannon Place, 78 Cannon Street,  
London, EC4N 6AG  
(j) Cannon Place, 78 Cannon Street,  
London, EC4N 6AG  
(k) Cannon Place, 78 Cannon Street,  
London, EC4N 6AG

2(c) Citizenship:

(a) Delaware  
(b) Switzerland  
(c) Luxembourg  
(d) England and Wales  
(e) England and Wales  
(f) England and Wales  
(g) England and Wales  
(h) England and Wales  
(i) England and Wales  
(j) England and Wales  
(k) England and Wales

2(d) Title of Class of Securities:

Common Stock

2(e) Cusip Number:

651718504

3 Information if statement is filed pursuant to Rules 13d-1(b) or 13d-2(b):

(a) Ameriprise Financial, Inc.

A parent holding company in accordance with Rule 13d-1(b)(1)(ii)(G). (Note: See Item 7)

(b) Ameriprise International Holdings GmbH

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(c) Threadneedle Asset Management Holdings Sarl

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(d) Threadneedle Holdings Limited

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(e) TAM UK Holdings Limited

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(f) Threadneedle Asset Management Holdings Limited

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A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(g) TC Financing Ltd

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(h) Threadneedle Asset Management Limited

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(i) TAM UK International Holdings Limited

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(j) Threadneedle Asset Management Oversight Limited

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

(k) Threadneedle American Smaller Companies Fund, a sub-fund of Threadneedle Investment Funds ICVC

A non-U.S. institution in accordance with Rule 13d-1(b)(1)(ii)(J).

4 Incorporated by reference to Items (5)-(9) and (11) of the cover page pertaining to each reporting person.

AFI, as the parent company of the other Ameriprise Entities, may be deemed to beneficially own the shares reported herein by those reporting persons. Accordingly, the shares reported herein by AFI include those shares separately reported herein by those reporting persons.

Each of the Ameriprise Entities disclaims beneficial ownership of any shares reported on this Schedule.

5 Ownership of 5% or Less of a Class: Not Applicable

6 Ownership of more than 5% on Behalf of Another Person:

To the knowledge of the Ameriprise Entities and the Fund, no other persons besides the Ameriprise Entities and the Fund and those persons for whose shares of common stock the Ameriprise Entities report beneficial ownership have the right to receive or the power to direct the receipt of dividends from or the proceeds from the sale of the securities of the issuer reported herein.

Any remaining shares reported herein by the Ameriprise Entities are held by various other funds or accounts managed by one or more of the Ameriprise Entities which each have the right to receive any dividends paid by the issuer and could terminate their respective investment advisory relationship with the applicable Ameriprise Entity and then subsequently direct the use of proceeds from the sale of the common stock owned by such fund or account. To the knowledge, of the Ameriprise Entities none of these other funds or accounts own more than 5% of the outstanding shares of the issuer as October 31, 2020 other than the Fund.

7 Identification and Classification of the Subsidiaries Which Acquired the Security Being Reported on by the Parent Holding Company:

AFI: See Exhibit I

8 Identification and Classification of Members of the Group:

Not Applicable

9 Notice of Dissolution of Group:

Not Applicable

10 Certification:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired in the ordinary course of business and were not acquired 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 in connection with or as a participant in any transaction having such purposes 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.

Dated: November 10, 2020

Ameriprise Financial, Inc.

By: /s/ Paul Goucher

Name: Paul Goucher

Title: Senior Vice President and Assistant General Counsel

Ameriprise International Holdings GmbH

By: /s/ James R. Debus

Name: James R. Debus

Title: Director

Threadneedle Asset Management Holdings Sarl

Threadneedle Holdings Limited

TAM UK Holdings Limited

Threadneedle Asset Management Holdings Limited

TC Financing Ltd

Threadneedle Asset Management Limited

By Columbia Management Investment  
Advisers, LLC, as Attorney in Fact

By: /s/ Paul Goucher

Name: Paul Goucher

Title: Senior Vice President and Assistant Secretary

TAM UK International Holdings Limited

Threadneedle Asset Management Oversight Limited

By: /s/ Nicholas Ring

Name: Nicholas Ring

Title: Director

Threadneedle American Smaller Companies Fund, a sub-fund  
of Threadneedle Investment Funds ICVC

By: Threadneedle Investment Services Limited, as Authorised  
Corporate Director

By: /s/ Richard Vincent

Name: Richard Vincent

Title: Director

Contact Information

Mark D. Braley

Vice President

Head of Reporting and Data Management |

Global Operations and Investor Services

Telephone: (617) 747-0663

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Exhibit Index

Exhibit I	Identification and Classification of the Subsidiaries which Acquired the Security Being Reported on by the Parent Holding Company.
Exhibit II	Joint Filing Agreement
Exhibit III	Powers of Attorney

to

Schedule 13G

Ameriprise Financial, Inc., a Delaware Corporation, is a parent holding company. The classification and identity of the relevant subsidiaries is as follows:

Non-US Institution -- Ameriprise International Holdings GmbH, a limited liability company incorporated under the laws of Switzerland, is a holding company for various companies including Threadneedle Asset Management Holdings Sarl and its subsidiary entities.

Non-US Institution – Threadneedle Asset Management Holdings Sarl, a private company (société à responsabilité limitée) incorporated in the Grand Duchy of Luxembourg, is a holding company for various companies including Threadneedle Holdings Limited and its subsidiary entities.

Non-US Institution – Threadneedle Holdings Limited, a private limited company incorporated in England and Wales, is a holding company and is the parent entity to TAM UK Holdings Limited.

Non-US Institution – TAM UK Holdings Limited, a private limited company incorporated in England and Wales, is a holding company and is the parent entity to Threadneedle Asset Management Holdings Limited.

Non-US Institution – Threadneedle Asset Management Holdings Limited, a private limited company incorporated in England and Wales, is a holding company and is the parent entity to TC Financing Limited.

Non-US Institution – TC Financing Limited, a private limited company incorporated in England and Wales, is a holding company and is the parent entity to Threadneedle Asset Management Limited.

Non-US Institution – Threadneedle Asset Management Limited, a private limited company incorporated in England and Wales, is an investment adviser authorized and regulated by the UK Financial Conduct Authority.

Non-US Institution – TAM UK International Holdings Limited, a private limited company incorporated in England and Wales, is a holding company and parent entity to Threadneedle Asset Management Oversight Limited .

Non-US Institution – Threadneedle Asset Management Oversight Limited, a private limited company incorporated in England and Wales, is a holding company and parent entity to Ameriprise International Holdings GmbH.

Exhibit II

to

Schedule 13G

Joint Filing Agreement

The undersigned persons agree and consent to the joint filing on their behalf of this Schedule 13G dated November 10, 2020 in connection with their beneficial ownership of Newpark Resources, Inc. Each of Threadneedle American Smaller Companies Fund, a sub-fund of Threadneedle Investment Funds ICVC, TAM UK International Holdings Limited, Threadneedle Asset Management Oversight Limited, Ameriprise International Holdings GmbH, Threadneedle Asset Management Holdings Sarl, Threadneedle Holdings Limited, TAM UK Holdings Limited, Threadneedle Asset Management Holdings Limited, TC Financing Limited and Threadneedle Asset Management Limited authorizes Ameriprise Financial, Inc. to execute the Schedule 13G to which this Exhibit is attached and make any necessary amendments thereto.

Ameriprise Financial, Inc.

By: /s/ Paul Goucher

\_\_\_\_\_  
Name: Paul Goucher

Title: Senior Vice President and Assistant General  
Counsel

Ameriprise International Holdings GmbH

By: /s/ James R. Debuse

\_\_\_\_\_  
Name: James R. Debuse

Title: Director

Threadneedle Asset Management Holdings Sarl  
Threadneedle Holdings Limited  
TAM UK Holdings Limited  
Threadneedle Asset Management Holdings Limited  
TC Financing Ltd  
Threadneedle Asset Management Limited

By Columbia Management Investment Advisers, LLC, as  
Attorney in Fact

By: /s/ Paul Goucher

\_\_\_\_\_  
Name: Paul Goucher

Title: Senior Vice President and Assistant Secretary

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TAM UK International Holdings Limited

Threadneedle Asset Management Oversight Limited

By: /s/ Nicholas Ring  
Name: Nicholas Ring  
Title: Director

Threadneedle American Smaller Companies Fund, a sub-fund of Threadneedle Investment Funds ICVC

By: Threadneedle Investment Services Limited, as Authorised Corporate Director

By: /s/ Richard Vincent  
Name: Richard Vincent  
Title: Director

Exhibit III

to

Schedule 13G

Powers of Attorney

**LIMITED POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, which are intended to constitute a Limited Power of Attorney, that Threadneedle Asset Management Holdings Sàrl, a company registered in the Grand Duchy of Luxembourg / R.C.S. Luxembourg B 143.975, with its principal place of business at 19, rue de Bitbourg, L-1273 Luxembourg (“Threadneedle”), does hereby constitute and appoint Columbia Management Investment Advisers, LLC (“CMIA”), a Minnesota limited liability company with its principal office at 225 Franklin Street, Boston, MA 02110, as its true and lawful agent and attorney-in-fact with full power of substitution and revocation and with the power to execute and file with the appropriate governmental agencies within the United States, for and on behalf of Threadneedle, substantial shareholding reports, amendments to substantial shareholding reports, corrections thereto and other documents ancillary to such reports as required by applicable laws and regulations (the “Reports”) and to do any and all acts that said agent and attorney-in-fact deems necessary or appropriate in order to file such Reports.

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This Limited Power of Attorney shall remain in effect until revoked in writing by Threadneedle.

IN WITNESS WHEREOF, this power of attorney was made as of this 6 day of December, 2019, by the undersigned as authorised representative of Threadneedle.

For and on behalf of Threadneedle Asset Management Holdings Sàrl

By: /s/ William Turner  
Name: William Turner  
Title: Manager

By: /s/ William F. Truscott  
Name: William F. Truscott  
Title: Manager:

**LIMITED POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, which are intended to constitute a Limited Power of Attorney, that Threadneedle Holdings Limited, a limited liability company incorporated under the laws of England and Wales under registered number 07398893, with its principal place of business at Cannon Place, 78 Cannon Street, London, EC4N 6AG (“Threadneedle”), does hereby constitute and appoint Columbia Management Investment Advisers, LLC (“CMIA”), a Minnesota limited liability company with its principal office at 225 Franklin Street, Boston, MA 02110, as its true and lawful agent and attorney-in-fact with full power of substitution and revocation and with the power to execute and file with the appropriate governmental agencies within the United States, for and on behalf of Threadneedle, substantial shareholding reports, amendments to substantial shareholding reports, corrections thereto and other documents ancillary to such reports as required by applicable laws and regulations (the “Reports”) and to do any and all acts that said agent and attorney-in-fact deems necessary or appropriate in order to file such Reports.

This Limited Power of Attorney shall remain in effect until revoked in writing by Threadneedle.

IN WITNESS WHEREOF, this power of attorney was made as of this 18 day of December, 2019, by the undersigned as authorized representative of Threadneedle.

For and on behalf of Threadneedle Holdings Limited

By: /s/ Peter Stone

Name: Peter Stone

Title: Director

**LIMITED POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, which are intended to constitute a Limited Power of Attorney, that TAM UK Holdings Limited a company incorporated under the laws of England and Wales under registered number 06779814, with its principal place of business at Cannon Place, 78 Cannon Street, London, EC4N 6AG (“Threadneedle”), does hereby constitute and appoint Columbia Management Investment Advisers, LLC (“CMIA”), a Minnesota limited liability company with its principal office at 225 Franklin Street, Boston, MA 02110, as its true and lawful agent and attorney-in-fact with full power of substitution and revocation and with the power to execute and file with the appropriate governmental agencies within the United States, for and on behalf of Threadneedle, substantial shareholding reports, amendments to substantial shareholding reports, corrections thereto and other documents ancillary to such reports as required by applicable laws and regulations (the “Reports”) and to do any and all acts that said agent and attorney-in-fact deems necessary or appropriate in order to file such Reports.

This Limited Power of Attorney shall remain in effect until revoked in writing by Threadneedle.

IN WITNESS WHEREOF, this power of attorney was made as of this 18 day of December, 2019, by the undersigned as authorized representative of Threadneedle.

For and on behalf of TAM UK Holdings Limited

By: /s/ Peter Stone

Name: Peter Stone

Title: Director

**LIMITED POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, which are intended to constitute a Limited Power of Attorney, that Threadneedle Asset Management Holdings Limited, a company incorporated under the laws of England and Wales under registered number 03554212, with its principal place of business at Cannon Place, 78 Cannon Street, London, EC4N 6AG (“Threadneedle”), does hereby constitute and appoint Columbia Management Investment Advisers, LLC (“CMIA”), a Minnesota limited liability company with its principal office at 225 Franklin Street, Boston, MA 02110, as its true and lawful agent and attorney-in-fact with full power of substitution and revocation and with the power to execute and file with the appropriate governmental agencies within the United States, for and on behalf of Threadneedle, substantial shareholding reports, amendments to substantial shareholding reports, corrections thereto and other documents ancillary to such reports as required by applicable laws and regulations (the “Reports”) and to do any and all acts that said agent and attorney-in-fact deems necessary or appropriate in order to file such Reports.

This Limited Power of Attorney shall remain in effect until revoked in writing by Threadneedle.

IN WITNESS WHEREOF, this power of attorney was made as of this 18 day of December, 2019, by the undersigned as authorized representative of Threadneedle.

For and on behalf of Threadneedle Asset Management Holdings Limited

By: /s/ Peter Stone

Name: Peter Stone

Title: Director

**LIMITED POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, which are intended to constitute a Limited Power of Attorney, that TC Financing Limited a company incorporated under the laws of England and Wales under registered number 07466657, with its principal place of business at Cannon Place, 78 Cannon Street, London, EC4N 6AG (“Threadneedle”), does hereby constitute and appoint Columbia Management Investment Advisers, LLC (“CMIA”), a Minnesota limited liability company with its principal office at 225 Franklin Street, Boston, MA 02110, as its true and lawful agent and attorney-in-fact with full power of substitution and revocation and with the power to execute and file with the appropriate governmental agencies within the United States, for and on behalf of Threadneedle, substantial shareholding reports, amendments to substantial shareholding reports, corrections thereto and other documents ancillary to such reports as required by applicable laws and regulations (the “Reports”) and to do any and all acts that said agent and attorney-in-fact deems necessary or appropriate in order to file such Reports.

This Limited Power of Attorney shall remain in effect until revoked in writing by Threadneedle.

IN WITNESS WHEREOF, this power of attorney was made as of this 18 day December, 2019, by the undersigned as authorized representative of Threadneedle.

For and on behalf of TC Financing Limited

By: /s/ Peter Stone

Name: Peter Stone

Title: Director

**LIMITED POWER OF ATTORNEY**

KNOW ALL MEN BY THESE PRESENTS, which are intended to constitute a Limited Power of Attorney, that Threadneedle Asset Management Limited, a company incorporated under the laws of England and Wales under registered number 00573204, with its principal place of business at Cannon Place, 78 Cannon Street, London, EC4N 6AG (“Threadneedle”), does hereby constitute and appoint Columbia Management Investment Advisers, LLC (“CMIA”), a Minnesota limited liability company with its principal office at 225 Franklin Street, Boston, MA 02110, as its true and lawful agent and attorney-in-fact with full power of substitution and revocation and with the power to execute and file with the appropriate governmental agencies within the United States, for and on behalf of Threadneedle, substantial shareholding reports, amendments to substantial shareholding reports, corrections thereto and other documents ancillary to such reports as required by applicable laws and regulations (the “Reports”) and to do any and all acts that said agent and attorney-in-fact deems necessary or appropriate in order to file such Reports.

This Limited Power of Attorney shall remain in effect until revoked in writing by Threadneedle.

IN WITNESS WHEREOF, this power of attorney was made as of this 18 day of December, 2019, by the undersigned as authorized representative of Threadneedle.

For and on behalf of Threadneedle Asset Management Limited

By: /s/ Peter Stone

Name: Peter Sone

Title: Director