

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ► Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2018 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information		
For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</u>			
A	This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☒ a single-employer plan ☐ a DFE (specify) ____		
B	This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)	
C	If the plan is a collectively-bargained plan, check here. ☒		
D	Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)	

Part II	Basic Plan Information —enter all requested information		
1a	Name of plan <u>NOVELIS WARREN HOURLY PENSION PLAN</u>	1b	Three-digit plan number (PN) ► <u>003</u>
		1c	Effective date of plan <u>04/01/1966</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>NOVELIS CORPORATION</u> <u>3560 LENOX ROAD, SUITE 2000</u> <u>ATLANTA, GA 30326</u>	2b	Employer Identification Number (EIN) <u>41-2098321</u>
		2c	Plan Sponsor's telephone number <u>330-841-3140</u>
		2d	Business code (see instructions) <u>331310</u>

Caution: A penalty for the late or incomplete filing of this return/report will be assessed unless reasonable cause is established.

Under penalties of perjury and other penalties set forth in the instructions, I declare that I have examined this return/report, including accompanying schedules, statements and attachments, as well as the electronic version of this return/report, and to the best of my knowledge and belief, it is true, correct, and complete.

SIGN HERE	Filed with authorized/valid electronic signature.	10/11/2019	LES PARRETTE
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Form 5500 (2018)
v. 171027

3a Plan administrator's name and address ☐ Same as Plan Sponsor NOVELIS EMPLOYEE BENEFITS COMMITTEE 3560 LENOX ROAD, SUITE 2000 ATLANTA, GA 30326	3b Administrator's EIN 20-2638985 3c Administrator's telephone number 330-841-3140
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 194
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 46 6a(2) 40 6b 101 6c 15 6d 156 6e 33 6f 189 6g 0 6h 1
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 1B 3F 3H b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	

9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
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10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules

- (1) ☒ **R** (Retirement Plan Information)
- (2) ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3) ☒ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☐ 0 **A** (Insurance Information)
- (4) ☒ **C** (Service Provider Information)
- (5) ☒ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

Part III Form M-1 Compliance Information (to be completed by welfare benefit plans)

11a If the plan provides welfare benefits, was the plan subject to the Form M-1 filing requirements during the plan year? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

If "Yes" is checked, complete lines 11b and 11c.

11b Is the plan currently in compliance with the Form M-1 filing requirements? (See instructions and 29 CFR 2520.101-2.) ☐ Yes ☐ No

11c Enter the Receipt Confirmation Code for the 2018 Form M-1 annual report. If the plan was not required to file the 2018 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

▶ **Round off amounts to nearest dollar.**
▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan <u>NOVELIS WARREN HOURLY PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>NOVELIS CORPORATION</u>	D Employer Identification Number (EIN) <u>41-2098321</u>

E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500
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Part I Basic Information

1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>			
2 Assets:			
a Market value.....	2a	<u>11969249</u>	
b Actuarial value	2b	<u>11400785</u>	
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment	<u>126</u>	<u>6910960</u>	<u>6910960</u>
b For terminated vested participants	<u>20</u>	<u>450037</u>	<u>450037</u>
c For active participants	<u>45</u>	<u>3782336</u>	<u>4039182</u>
d Total	<u>191</u>	<u>11143333</u>	<u>11400179</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐			
a Funding target disregarding prescribed at-risk assumptions	4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b		
5 Effective interest rate	5	<u>5.63 %</u>	
6 Target normal cost	6	<u>246121</u>	

Statement by Enrolled Actuary
To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE		<u>09/18/2019</u>
Signature of actuary		Date
<u>LORI WOLFERSBERGER, FSA, EA</u>		<u>17-07341</u>
Type or print name of actuary		Most recent enrollment number
<u>WILLIS TOWERS WATSON US, LLC</u>		<u>215-246-4942</u>
Firm name		Telephone number (including area code)
<u>1500 MARKET STREET PHILADELPHIA, PA 19102</u>		
Address of the firm		

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	0
10 Interest on line 9 using prior year's actual return of <u>14.20</u> %	0	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		273360
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.82</u> %		15910
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		289270
d Portion of (c) to be added to prefunding balance		0
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	0

Part III Funding Percentages

14 Funding target attainment percentage	14	100.00%
15 Adjusted funding target attainment percentage	15	100.00%
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	100.03%
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/04/2019	270000	0			
Totals ▶			18(b)	270000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	246332

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%	☐ N/A, full yield curve used
b Applicable month (enter code)				21b 4
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☒ Prescribed - separate	☐ Substitute
	Current regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes	☒ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes	☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.	☒ Yes	☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	246121	
b Excess assets, if applicable, but not greater than line 31a	31b	606	
32 Amortization installments:	Outstanding Balance		Installment
a Net shortfall amortization installment	0	0	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	245515	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	245515	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	246332	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	817	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:	
a Schedule elected	☐ 2 plus 7 years ☐ 15 years
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

<div>SCHEDULE C</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Service Provider Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>	OMB No. 1210-0110
		2018
		This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan NOVELIS WARREN HOURLY PENSION PLAN	B Three-digit plan number (PN) ▶	003
C Plan sponsor's name as shown on line 2a of Form 5500 NOVELIS CORPORATION	D Employer Identification Number (EIN) 41-2098321	

Part I	Service Provider Information (see instructions)
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You must complete this Part, in accordance with the instructions, to report the information required for **each person** who received, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of monetary value) in connection with services rendered to the plan or the person's position with the plan during the plan year. If a person received **only** eligible indirect compensation for which the plan received the required disclosures, you are required to answer line 1 but are not required to include that person when completing the remainder of this Part.

1 Information on Persons Receiving Only Eligible Indirect Compensation

- a Check "Yes" or "No" to indicate whether you are excluding a person from the remainder of this Part because they received only eligible indirect compensation for which the plan received the required disclosures (see instructions for definitions and conditions)..... ☐ Yes ☒ No
- b If you answered line 1a "Yes," enter the name and EIN or address of each person providing the required disclosures for the service providers who received only eligible indirect compensation. Complete as many entries as needed (see instructions).

(b) Enter name and EIN or address of person who provided you disclosures on eligible indirect compensation

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2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

MERCER INVESTMENT MANAGEMENT

30-0282430

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
51 52	NONE	30678	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

(a) Enter name and EIN or address (see instructions)

CAPTRUST FINANCIAL ADVISORS

26-0058143

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
16 17	NONE	11631	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

2. Information on Other Service Providers Receiving Direct or Indirect Compensation. Except for those persons for whom you answered "Yes" to line 1a above, complete as many entries as needed to list each person receiving, directly or indirectly, \$5,000 or more in total compensation (i.e., money or anything else of value) in connection with services rendered to the plan or their position with the plan during the plan year. (See instructions).

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

(a) Enter name and EIN or address (see instructions)

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
			Yes ☐ No ☐	Yes ☐ No ☐		Yes ☐ No ☐

Part I Service Provider Information (continued)

3. If you reported on line 2 receipt of indirect compensation, other than eligible indirect compensation, by a service provider, and the service provider is a fiduciary or provides contract administrator, consulting, custodial, investment advisory, investment management, broker, or recordkeeping services, answer the following questions for (a) each source from whom the service provider received \$1,000 or more in indirect compensation and (b) each source for whom the service provider gave you a formula used to determine the indirect compensation instead of an amount or estimated amount of the indirect compensation. Complete as many entries as needed to report the required information for each source.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

4 Provide, to the extent possible, the following information for each service provider who failed or refused to provide the information necessary to complete this Schedule.

(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide
(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

Part III Termination Information on Accountants and Enrolled Actuaries (see instructions)
(complete as many entries as needed)

a Name:	ELOISE SPETKO	b EIN:	98-0352587
c Position:	ENROLLED ACTUARY		
d Address:	5 CONCOURSE PARKWAY 18TH FLOOR ATLANTA, GA 30328	e Telephone:	678-684-0710

Explanation: ELOISE SPETKO LEFT WILLIS TOWERS WATSON. ANOTHER ENROLLED ACTUARY AT WILLIS TOWERS WATSON HAS TAKEN OVER AS THE ENROLLED ACTUARY FOR THIS PLAN.

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

a Name:		b EIN:	
c Position:			
d Address:		e Telephone:	

Explanation:

<div>SCHEDULE D (Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div>		<div>DFE/Participating Plan Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>		<div>OMB No. 1210-0110</div> <div>2018</div> <div>This Form is Open to Public Inspection.</div>	
For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018					
A Name of plan NOVELIS WARREN HOURLY PENSION PLAN				B Three-digit plan number (PN) ▶ 003	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 NOVELIS CORPORATION				D Employer Identification Number (EIN) 41-2098321	
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)					
a Name of MTIA, CCT, PSA, or 103-12 IE: NOVELIS MASTER RETIREMENT TRUST					
b Name of sponsor of entity listed in (a): WELLS FARGO BANK, NA					
c EIN-PN 20-3840886-001		d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 10454113		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)		
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see		

a Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
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103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
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103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)**a** Name of MTIA, CCT, PSA, or 103-12 IE:**b** Name of sponsor of entity listed in (a):**c** EIN-PN**d** Entity
code**e** Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

Part II Information on Participating Plans (to be completed by DFEs)

(Complete as many entries as needed to report all participating plans)

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110
		2018
		This Form is Open to Public Inspection

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan NOVELIS WARREN HOURLY PENSION PLAN	B Three-digit plan number (PN) ►	003
C Plan sponsor's name as shown on line 2a of Form 5500 NOVELIS CORPORATION	D Employer Identification Number (EIN) 41-2098321	

Part I	Asset and Liability Statement
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1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. **Round off amounts to the nearest dollar.** MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	364000	270000
(2) Participant contributions	1b(2)		
(3) Other.....	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other.....	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common.....	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property).....	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans.....	1c(8)		
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	11617118	10454113
(12) Value of interest in 103-12 investment entities.....	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)		

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	11981118	10724113

Liabilities

g Benefit claims payable	1g		
h Operating payables	1h	0	0
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	11981118	10724113
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Part II Income and Expense Statement

2 Plan income, expenses, and changes in net assets for the year. Include all income and expenses of the plan, including any trust(s) or separately maintained fund(s) and any payments/receipts to/from insurance carriers. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 2a, 2b(1)(E), 2e, 2f, and 2g.

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	270000	
(B) Participants	2a(1)(B)		
(C) Others (including rollovers)	2a(1)(C)		
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		270000
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit)	2b(1)(A)		
(B) U.S. Government securities	2b(1)(B)		
(C) Corporate debt instruments	2b(1)(C)		
(D) Loans (other than to participants)	2b(1)(D)		
(E) Participant loans	2b(1)(E)		
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		0
(2) Dividends: (A) Preferred stock	2b(2)(A)		
(B) Common stock	2b(2)(B)		
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)		
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		0
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		-682087
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-412087

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	725867	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		725867
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)		
(3) Investment advisory and management fees	2i(3)	42309	
(4) Other	2i(4)	76742	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		119051
j Total expenses. Add all expense amounts in column (b) and enter total	2j		844918

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-1257005
l Transfers of assets:			
(1) To this plan	2l(1)		
(2) From this plan	2l(2)		

Part III Accountant's Opinion

3 Complete lines 3a through 3c if the opinion of an independent qualified public accountant is attached to this Form 5500. Complete line 3d if an opinion is not attached.

a The attached opinion of an independent qualified public accountant for this plan is (see instructions):

(1) ☐ Unqualified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)?

☒ Yes ☐ No

c Enter the name and EIN of the accountant (or accounting firm) below:

(1) Name: FRAZIER & DEETER

(2) EIN: 58-1433845

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)

	Yes	No	Amount
4a		X	
4b		X	

		Yes	No	Amount
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)	4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)	4d		X	
e Was this plan covered by a fidelity bond?	4e	X		15000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?	4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?	4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	4i		X	
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked, and see instructions for format requirements.)	4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	4k		X	
l Has the plan failed to provide any benefit when due under the plan?	4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	4m			
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.	4n			

5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year? ☐ Yes ☒ No
 If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.

5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)

5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)

5c If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☒ Yes ☐ No ☐ Not determined
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year 4151710. (See instructions.)

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan <u>NOVELIS WARREN HOURLY PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>003</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>NOVELIS CORPORATION</u>	D Employer Identification Number (EIN) <u>41-2098321</u>

Part I	Distributions
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All references to distributions relate only to payments of benefits during the plan year.

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions	1	<u>0</u>
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>04-3581074</u>		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year	3	<u>0</u>

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
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4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☒ N/A
If the plan is a defined benefit plan, go to line 8.			
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
b Enter the amount contributed by the employer to the plan for this plan year	6b		
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.			
7 Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☒ N/A

Part III	Amendments
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9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box.....	☐ Increase	☐ Decrease	☐ Both	☒ No
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Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.
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10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?	☐ Yes	☐ No
11 a Does the ESOP hold any preferred stock?	☐ Yes	☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)	☐ Yes	☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?	☐ Yes	☐ No

For Paperwork Reduction Act Notice, see the Instructions for Form 5500.

Schedule R (Form 5500) 2018
v. 171027

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that contributed more than 5% of total contributions to the plan during the plan year (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

d Date collective bargaining agreement expires (If employer contributes under more than one collective bargaining agreement, check box ☐ and see instructions regarding required attachment. Otherwise, enter the applicable date.) Month _____ Day _____ Year _____

e Contribution rate information (If more than one rate applies, check this box ☐ and see instructions regarding required attachment. Otherwise, complete lines 13e(1) and 13e(2).)

(1) Contribution rate (in dollars and cents) _____

(2) Base unit measure: ☐ Hourly ☐ Weekly ☐ Unit of production ☐ Other (specify): _____

- 14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year

b The plan year immediately preceding the current plan year

c The second preceding plan year

14a**14b****14c**

- 15** Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year

b The corresponding number for the second preceding plan year

15a**15b**

- 16** Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year

b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers

16a**16b**

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

- a** Enter the percentage of plan assets held as:

Stock: 34.6% Investment-Grade Debt: 63.8% High-Yield Debt: 1.6% Real Estate: 0.0% Other: 0.0%

- b** Provide the average duration of the combined investment-grade and high-yield debt:

☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☒ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

- c** What duration measure was used to calculate line 19(b)?

☒ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

NOVELIS WARREN HOURLY PENSION PLAN
FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

NOVELIS WARREN HOURLY PENSION PLAN

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INDEPENDENT AUDITORS' REPORT

To the Plan Administrator and Plan Participants
Novelis Warren Hourly Pension Plan
Atlanta, Georgia

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of the Novelis Warren Hourly Pension Plan (the Plan) which comprise the statements of net assets available for benefits as of December 31, 2018 and 2017 and the related statement of changes in net assets available for benefits the year ended December 31, 2018 and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audit in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the *Basis for Disclaimer of Opinion* paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Note 6, which was certified by Wells Fargo Bank, N.A. and State Street Bank & Trust Company, the trustees of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that Wells Fargo Bank, N.A. held the Plan's investment assets and executed investment transactions from January 1, 2018, through December 31, 2018, and that State Street Bank & Trust Company held the Plan's investment assets and executed investment transactions as of December 31, 2017. The plan administrator has obtained certifications from the trustees as of December 31, 2018 and 2017, and for the year ended December 31, 2018, that the information provided to the plan administrator by the trustees is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the *Basis for Disclaimer of Opinion* paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Report on Form and Content in Compliance with DOL Rules and Regulations

The form and content of the information included in the financial statements, other than that derived from the information certified by the trustees, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

Frazier + Deeter, LLC

October 9, 2019
Atlanta, Georgia

NOVELIS WARREN HOURLY PENSION PLAN

Statements of Net Assets Available for Benefits

	<u>December 31,</u>	
	<u>2018</u>	<u>2017</u>
Assets:		
Interest in Novelis Master Retirement Trust:		
Investments, at fair value (See Notes 3 & 4)	<u>\$ 10,454,113</u>	<u>\$ 11,617,118</u>
Total interest in the Novelis Master Retirement Trust	10,454,113	11,617,118
Receivables:		
Employer contributions receivable	<u>270,000</u>	<u>364,000</u>
Net Assets Available for Benefits	<u><u>\$ 10,724,113</u></u>	<u><u>\$ 11,981,118</u></u>

See notes to financial statements.

NOVELIS WARREN HOURLY PENSION PLAN

Statement of Changes in Net Assets Available for Benefits

For the Year Ended December 31, 2018

Additions to net assets attributed to:

Net investment loss from Novelis Master Retirement Trust	\$ (682,087)
Employer contributions	<u>270,000</u>

Total additions	<u>(412,087)</u>
-----------------	------------------

Deductions from net assets attributed to:

Benefits paid to participants	725,867
Administrative expenses	42,309
PBGC premiums	<u>76,742</u>

Total deductions	<u>844,918</u>
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Net decrease	(1,257,005)
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Net Assets Available for Benefits:

Beginning of year	<u>11,981,118</u>
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End of year	<u><u>\$ 10,724,113</u></u>
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See notes to financial statements.

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements

December 31, 2018 and 2017

Note 1 - Description of plan:

The following description of the Novelis Warren Hourly Pension Plan (the Plan) provides only general information. Participants should refer to the Plan document for a more complete description of the Plan's provisions.

General

The Plan is a noncontributory, defined benefit plan. The Plan includes all full-time hourly-paid employees and hourly persons who have completed 1,000 hours of service employed by Novelis Corporation (the Company) at its Warren, Ohio plant who are governed by the provisions of a collective bargaining agreement with Local 716, International Union of Electrical, Radio, and Machine Workers, AFL-CIO, who are not accruing benefits under another plan maintained jointly or individually by the Company and/or a collective bargaining unit. Effective February 17, 2017 the Plan was amended so that no employee hired after February 16, 2017 could enter the Plan. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (ERISA). The Plan is administered by the Company's Pension and Investment Committee (PIC or Plan Administrator). The PIC determines the appropriateness of the Plan's investment offerings and monitors investment performance.

Funding policy

Contributions are based on the recommendations of the actuary. The Plan's funding policy is for the Company to contribute an amount which will meet or exceed the annual ERISA minimum funding requirement. During 2019, the Company made contributions of \$270,000 related to 2018. The Plan met the minimum funding requirements for the Plan years ended December 31, 2018 and 2017.

Pension Benefits

Participants are entitled to a normal retirement benefit on attaining the age of 65. The normal monthly retirement benefits are calculated based on a participant's years of credited service multiplied by a monthly benefit level as provided in the Plan. The monthly benefit level was \$43 effective March 1, 2011 and \$44 effective March 1, 2012. In March 2012, a new collective bargaining agreement was entered into which provides for a \$1 increase in the monthly benefit level effective March 1, 2012 with additional \$1 increases on each successive

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 1 - Description of plan - continued:

Pension Benefits - continued

March 1 through and including March 1, 2014. The new collective bargaining agreement also provides for \$0.50 increases on March 1, 2015 and March 1, 2016. In February 2017, a new collective bargaining agreement was entered into which provides for a \$1 increase in the monthly benefit level effective March 1, 2017 with additional \$1 increases on each successive March 1 through and including March 1, 2020. The incrementally increasing benefit level in effect March 1, 2018 has been used to calculate the actuarial present value of accumulated plan benefits at December 31, 2018.

The Plan also provides for early retirement benefits, disability benefits, termination benefits and pre-retirement spouse benefits for participants meeting certain age and length of service requirements. There is also a provision for a post-retirement spouse benefit that generally does not require a reduction in the participant's benefit.

Death and disability benefit

If a participant dies on or after the participant's normal or elected early retirement date but before any benefit has been paid to the participant, then the participant's qualified spouse, contingent annuitant or other beneficiary will receive any benefits payable in case of death as if the participant had started to receive the participant's benefit on the first day of the month next following the participant's date of death or such later first day of the month on or before the participant's normal retirement date as may be chosen by the participant's qualified spouse or contingent annuitant. For a disabled participant, once the long-term disability payments cease and if the participant's retirement benefit is not payable in the form of lump sum, the participant's retirement benefit shall commence as soon as administratively feasible.

Vesting

Participants become fully vested after five years of service. Participants terminating prior to achieving five years of service forfeit the right to receive benefits.

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 1 - Description of plan - continued:

Termination provision

The Company anticipates that the Plan will continue without interruption, but reserves the right to terminate the Plan or to discontinue contributions to the Plan. In the event the Plan is terminated, the Plan provides for the allocation of net assets up to the present value of accumulated plan benefits among the participants and pensioners. To the extent unfunded vested benefits exist, such benefits would be payable by the Pension Benefit Guaranty Corporation (PBGC), up to specified limitations, as described in ERISA. To the extent that Plan net assets exceed benefits due to participants and pensioners and the Plan has met all legal requirements, remaining assets, net of applicable taxes, will revert back to the Company. (See Note 7.)

Reclassifications

Certain reclassifications were made to the December 31, 2017 financial statements. The presentation is a more accurate representation and is consistent with the presentation for the year ended December 31, 2018.

Note 2 - Summary of significant accounting policies:

Basis of accounting

The accompanying financial statements have been prepared on the accrual basis of accounting, in accordance with accounting principles generally accepted in the United States of America (U.S. GAAP).

Investment valuation and income recognition

Investments in the Novelis Master Retirement Trust (Master Trust) are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. (See Note 4 for discussion of fair value measurements.)

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. The Plan presents in its statement of changes in net assets available for benefits an allocation of the Master Trust's net income which consists of realized gains or losses, unrealized appreciation (depreciation) on investments and interest and dividend income. (See Note 3.)

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 2 - Summary of significant accounting policies - continued:

Payment of benefits

Benefits are recorded when paid.

Use of estimates

The preparation of financial statements in conformity with U.S. GAAP requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, disclosure of contingent assets and liabilities, and the actuarial present value of accumulated Plan benefits and changes therein at the date of the financial statements. Actual results could differ from those estimates

Risks and uncertainties

The Master Trust invests in collective trust funds and interest-bearing cash. The collective trust funds invest in various types of investment securities and in various companies within various markets. The underlying investment securities are exposed to various risks, such as interest rate, credit risks, and overall market volatility. Due to the level of risk associated with certain investment securities and the level of uncertainty related to the changes in the value of investment securities, it is at least reasonably possible that changes in the values of investment securities will occur in the near term and such changes could materially affect the amounts reported in these financial statements.

Plan contributions are made and the actuarial present value of accumulated Plan benefits are reported based on certain assumptions pertaining to interest rates, inflation rates, and employee demographics, all of which are subject to change. Due to uncertainties inherent in the estimations and assumptions process, it is at least reasonably possible that changes in these estimates and assumptions in the near term would be material to the financial statements.

New accounting pronouncements

In August 2018, the Financial Accounting Standards Board (FASB) issued Accounting Standards Update (ASU) No. 2018-13, Fair Value Measurement (Topic 820) Disclosure Framework - Changes to the Disclosure Requirements for Fair Value Measurement (ASU 2018-13). ASU 2018-13 changes the fair value measurement disclosure requirements of Accounting Standards Codification 820, Fair Value Measurement (ASC 820). Applicability of the provisions in ASU 2018-13 can depend on whether the reporting entity is a non-public entity. New disclosure requirements under ASU 2018-13 are applicable only to other than non-public entities and not applicable to this Plan. Eliminated and modified disclosure requirements under ASU 2018-13 impact the reporting of transfers between Level 1

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 2 - Summary of significant accounting policies - continued:

New accounting pronouncements - continued

and Level 2 assets (defined in Note 4), Level 3 asset disclosures, and disclosures about investments in certain entities valued at net asset value. ASU 2018-13 is effective for all entities for fiscal years beginning after December 15, 2019. Early adoption is permitted. Entities early adopting are permitted to early adopt the eliminated or modified disclosure requirements and delay the adoption of all new disclosure requirements until the effective date. Retrospective or prospective application to periods presented varies by specified disclosure. Management has not elected to early adopt ASU 2018-13 as of December 31, 2018. Management does not believe the adoption of ASU 2018-13 will have a material impact on the Plan's financial statements.

In February 2017, the FASB issued ASU No. 2017-06, Plan Accounting: Defined Benefit Pension Plans (Topic 960), Defined Contribution Pension Plans (Topic 962), Health and Welfare Benefit Plans (Topic 965): Employee Benefit Plan Master Trust Reporting (ASU No. 2017-06). All plans held in a master trust will be required to disclose the dollar amount of each plan's interest in each general type of investment. This will supplement the existing requirement to disclose the master trust's balances in each general type of investment. The amendment also will require all plans to disclose their master trust's other asset and liability balances, which include, among other items, amounts due from brokers for securities sold, amounts due to brokers for securities purchased, accrued interest and dividends, and accrued expenses. Each plan also will be required to disclose the dollar amount of the plan's interest in each of those other asset and liability balances. In addition, the amendments will require health and welfare benefit plans to disclose the name of the defined benefit pension plan in which investment disclosures relating to 401(h) account assets are provided. The update takes effect for fiscal years beginning after December 15, 2018. Early adoption is permitted, and an entity should apply the amendment in the update retrospectively to each period for which financial statements are presented. Management has elected to not early adopt ASU No. 2017-06 and believes the adoption of ASU No. 2017-06 will not have a material impact on the Plan's financial statements.

Administrative expenses

Trustee fees, investment management fees, and PBGC premiums are generally paid by the Plan. All other administrative expenses are paid by the Company.

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 2 - Summary of significant accounting policies - continued:

Subsequent events

The Plan has evaluated subsequent events through October 9, 2019, which is the date these financial statements were available to be issued. All subsequent events, if any, requiring recognition as of December 31, 2018, have been incorporated into these financial statements.

Note 3 - Investment in master trust:

All of the Plan's investments are units of participation in the Master Trust held by Wells Fargo Bank, N.A. (Wells Fargo, Trustee) and are commingled with the assets of four other retirement plans of participating employers. The value of the Plan's interest in the Master Trust is based on the beginning of year value of the Plan's interest in the Master Trust plus actual contributions and allocated investment income based on specific asset holdings less actual distributions and administrative expenses. The Master Trust holds investments in interest-bearing cash managed by Mercer Global Investments, Inc. and in 14 collective trust funds managed by Mercer Global Investments, Inc. Each plan in the Master Trust can elect to invest in any or all of the available collective trust funds in any allocation appropriate for that plan's objectives.

The Plan's interest in the Master Trust net assets was 1% and 2% for the years ending December 31, 2018 and 2017, respectively.

The following table presents the net assets held by the Master Trust at December 31, 2018 and 2017:

	<u>2018</u>	<u>2017</u>
Investments, at fair value:		
Interest-bearing cash	\$ 2,911,793	\$ -
Collective trust funds	<u>651,580,938</u>	<u>722,830,347</u>
Net assets held by the Master Trust	<u>\$ 654,492,731</u>	<u>\$ 722,830,347</u>
Plan's share of Master Trust	<u>\$ 10,454,113</u>	<u>\$ 11,617,118</u>

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 3 - Investment in master trust - continued:

The following presents investment loss from the Master Trust for the year ended December 31, 2018, as certified by the Trustee:

Net depreciation in fair value of investments	\$ (49,759,025)
Interest income	<u>6,404</u>
Investment loss	<u><u>\$ (49,752,621)</u></u>

Note 4 - Fair value measurements:

The FASB, Accounting Standards Codification 820, *Fair Value Measurements* (ASC 820), defines fair value, establishes a framework for measuring fair value and requires additional disclosures about the use of fair value measurements. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements).

The three levels of the fair value hierarchy under ASC 820 are described as follows:

- Level 1 Inputs to the valuation methodology are unadjusted quoted prices available in active markets for identical investments that the Master Trust has the ability to access.
- Level 2 Inputs to the valuation methodology include:
- Quoted prices for similar assets or liabilities in active markets;
 - Quoted prices for identical or similar assets or liabilities in inactive markets;
 - Inputs other than quoted prices that are observable for the asset or liability;
 - Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 4 - Fair value measurements - continued:

Level 3 Inputs to the valuation methodology are unobservable and significant to the fair value measurement.

The asset's or liability's fair value measurement level within the fair value hierarchy is based on the lowest level of any input that is significant to the fair value measurement. Valuation techniques used need to maximize the use of observable inputs and minimize the use of unobservable inputs.

The following is a description of the valuation methodologies used for assets and liabilities measured at fair value. There have been no significant changes in the methodologies used at December 31, 2018 and 2017.

- Interest-bearing cash is primarily valued at cost based on the short-term nature of the investment.
- Units of participation in the collective trust funds are valued at the net asset value (NAV) provided by the fund's Trustee as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient would not be used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value daily without any redemption notice or restrictions. Plan level initiated transactions require a 12-month redemption notice in order to withdraw at full book value. Plan level initiated transactions with less than a 12-month redemption notice may incur an adjustment to book value.

The methodologies described above may produce a fair value calculation that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Plan believes its valuation methodology is appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different fair value measurement at the reporting date.

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 4 - Fair value measurements - continued:

The following table set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2018:

	Assets at Fair Value as of December 31, 2018			
	Level 1	Level 2	Level 3	Total
Interest-bearing cash	\$ 2,911,793	\$ -	\$ -	\$ 2,911,793
Total investments in the fair value hierarchy	<u>\$ 2,911,793</u>	<u>\$ -</u>	<u>\$ -</u>	2,911,793
Investments measured at NAV:*				
Collective trust funds				<u>651,580,938</u>
Investments at fair value				<u>\$ 654,492,731</u>

*In accordance with Subtopic 820-10, certain investments that are measured at NAV per share (or its equivalent) have not been classified in the fair value hierarchy. The fair value amounts presented in this table are intended to permit reconciliation of the fair value hierarchy to the line items presented in the statements of net assets available for benefits.

As of December 31, 2017, there were no assets held in the Master Trust that were included in the fair value hierarchy. There were no significant transfers between Level 1 and Level 2 investments or into or out of Level 3 investments during the years ended December 31, 2018 or 2017.

The following tables summarize the Master Trust's investments measured at fair value based on NAV per share as of December 31, 2018 and 2017.

<u>December 31, 2018</u>	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency (if currently eligible)</u>	<u>Redemption Notice Period</u>
Collective trust fund	\$ 651,580,938	None	Daily	12 - month
<u>December 31, 2017</u>	<u>Fair Value</u>	<u>Unfunded Commitments</u>	<u>Redemption Frequency (if currently eligible)</u>	<u>Redemption Notice Period</u>
Collective trust fund	\$ 722,830,347	None	Daily	12 - month

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 5 - Actuarial present value of accumulated plan benefits:

Accumulated Plan benefits are those future periodic payments that are attributable under the Plan's provisions to the service employees have rendered. Accumulated Plan benefits include benefits expected to be paid to (a) retired or terminated employees or their beneficiaries, (b) beneficiaries of employees who have died, and (c) present employees or their beneficiaries. Benefits payable under all circumstances such as retirement, death, disability, and termination of employment are included, to the extent they are considered attributable to employee service rendered to the valuation date.

The actuarial present value of accumulated Plan benefits is determined by the Plan's consulting actuary. The present value of accumulated Plan benefits is that amount that results from applying actuarial assumptions to adjust the accumulated Plan benefits to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, disability, withdrawal, or retirement) between the valuation date and the expected date of payment. It is at least reasonably possible that the actuarial assumptions used to calculate accumulated Plan benefits will change in the near term and that the effect of such change could be significant.

The significant actuarial assumptions used in the valuation dated December 31, 2018 and 2017 were:

- | | |
|--------------------------|--|
| 1. Mortality basis | Mercer Industry Longevity Experience Study for the Basic Materials, Paper and Packaging Industry (base year of table is 2010), without collar adjustments for annuitants and to RP-2014 with removal of mortality improvements for years after 2007 (base year of table is 2007), without collar adjustments for non-annuitants. |
| 2. Discount rates | 6.60% in 2018; 6.00% in 2017. |
| 3. Normal retirement age | Ages vary from age 55 to 65+; average of 62. |

The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated benefits. The computations of the actuarial present value of accumulated plan benefits were made as of January 1, 2019 and 2018. Had a valuation been performed as of December 31, there would be no material differences.

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 5 - Actuarial present value of accumulated plan benefits - continued:

	<u>December 31,</u>	
	<u>2018</u>	<u>2017</u>
Actuarial present value of accumulated Plan benefits:		
Vested benefits:		
Participants currently receiving payments	\$ 7,027,142	\$ 6,837,206
Other participants	<u>3,469,655</u>	<u>4,216,347</u>
Total vested benefits	10,496,797	11,053,553
Nonvested benefits	<u>196,724</u>	<u>244,128</u>
Total actuarial present value of accumulated Plan benefits	<u>\$ 10,693,521</u>	<u>\$ 11,297,681</u>

Under the above assumptions, the change in the actuarial present value of accumulated Plan benefits for the year ended December 31, 2018 is as follows:

Actuarial present value of accumulated Plan benefits, beginning of year	<u>\$ 11,297,681</u>
Increase (decrease) during the year attributable to:	
Changes in actuarial assumptions	(610,848)
Benefits accumulated	168,331
Actuarial (gains) and losses	(102,278)
Increase for interest due to decrease in discount period	666,502
Benefits paid	<u>(725,867)</u>
Net decrease	<u>(604,160)</u>
Actuarial present value of accumulated Plan benefits, end of year	<u>\$ 10,693,521</u>

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 6 - Information certified by the trustee:

Wells Fargo holds the Plan's investment assets as of December 31, 2018, and executed investment transactions for the period from January 1, 2018 to December 31, 2018. State Street Bank & Trust Company (State Street) held the Plan's investment assets as of December 31, 2017. Certain information related to investments disclosed in the accompanying financial statements, including investments held at December 31, 2018 and 2017, and net investment loss from master trust for the year ended December 31, 2018, was obtained or derived from information supplied to the Plan Administrator and certified as complete and accurate by Wells Fargo and State Street.

Note 7 - Priorities upon termination:

Although the Company has not expressed any intent to terminate the Plan, it may do so at any time. In the event the Plan terminates, the net assets of the Plan will be allocated, as prescribed by ERISA and its related regulations, generally to provide the following benefits in the order indicated:

- Annuity benefits that former employees or their beneficiaries have been receiving for at least three years, or that employees eligible to retire for that three-year period would have been receiving if they had retired with benefits in the normal form of annuity under the Plan. The priority amount is limited to the lowest benefit that was payable (or would have been payable) during those three years. The amount is further limited to the lowest benefit that would be payable under Plan provisions in effect at any time during the five years preceding Plan termination.
- Other vested benefits insured by the PBGC up to the applicable limitations.
- All other vested benefits (that is, vested benefits not insured by the PBGC).
- All nonvested benefits.

Certain benefits under the Plan are insured by the PBGC if the Plan terminates. Generally, the PBGC guarantees most vested normal age retirement benefits, early retirement benefits, and certain disability and survivor's pensions. However, the PBGC does not guarantee all types of benefits under the Plan, and the amount of benefits protection is subject to certain limitations. Vested benefits under the Plan are guaranteed at the level in effect on the date of the Plan's termination.

NOVELIS WARREN HOURLY PENSION PLAN

Notes to Financial Statements - Continued

December 31, 2018 and 2017

Note 7 - Priorities upon termination - continued:

Whether all participants receive their benefits should the Plan terminate at some future time will depend on the sufficiency, at that time, of the Plan's net assets to provide for accumulated benefit obligations and may also depend on the financial condition of the Plan sponsor and on the level of benefits guaranteed by the PBGC.

Note 8 - Related-party transactions:

Parties-in-interest are defined under Department of Labor regulations as any fiduciary of the Plan, any party rendering service to the Plan, the employer, and certain others. Plan investments include shares of collective trust funds and interest-bearing cash managed by Wells Fargo, a sub-advisor to the Investment Manager at December 31, 2018 and State Street at December 31, 2017. These transactions qualify as party-in-interest transactions and are exempt from the prohibited transaction rules.

Note 9 - Tax status:

The Internal Revenue Service (IRS) has determined and informed the Company by a letter dated February 13, 2018, that the Plan is designed in accordance with the applicable provisions of the Internal Revenue Code (IRC). Although the Plan has been amended since receiving the determination letter, the Plan administrator and the Plan's tax counsel believe that the Plan is designed and is currently being operated, in compliance with the applicable requirements of the IRC and, therefore, believe that the Plan, as amended, is qualified, and the related trust is tax-exempt and no provision for income taxes has been included in the Plan's financial statements.

U.S. GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain tax position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 26 Schedule of Active Participant Data as of January 1, 2018

Attained Age	Attained Years of Credited Service												
	0	1	2	3	4	5-9	10-14	15-19	20-24	25-29	30-34	35-39	40 & Over
Under 25	0	0	0	0	0	0	0	0	0	0	0	0	0
25-29	0	0	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	1	0	0	0	0	0	0	0
35-39	0	0	0	0	0	1	0	0	0	0	0	0	0
40-44	0	0	0	0	1	2	0	0	1	0	0	0	0
45-49	0	0	0	0	1	2	2	0	1	0	0	0	0
50-54	0	0	1	0	0	2	0	4	2	1	0	0	0
55-59	0	0	0	0	0	2	1	0	6	1	0	0	0
60-64	0	0	0	0	0	0	0	0	6	3	1	0	0
65-69	0	0	0	0	0	1	0	0	0	0	0	0	0
70 & over	0	0	0	0	0	0	0	0	0	0	0	0	2

Plan Name: Novelis Warren Hourly Pension Plan
 EIN / PN: 41-2098321/003
 Plan Sponsor: Novelis Corporation
 Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis:

Applicable month September 2017

Interest rate basis 3- Segment Rates

Interest rates:	Reflecting Corridors ¹	Not Reflecting Corridors ²
First segment rate	3.92%	1.75%
Second segment rate	5.52%	3.76%
Third segment rate	6.29%	4.66%
Effective interest rate	5.63%	3.95%

Demographic Assumptions

Inclusion date The valuation date coincident with or next following the date on which the employee becomes a participant.

New or rehired employees It was assumed there will be no new or rehired employees.

Mortality

Healthy Separate rates for non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2033 using Scale AA) and annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments, projected to 2025 using Scale AA).

Disabled Separate rates for non-annuitants (based on RP-2000 "Employees" table without collar or amount adjustments, projected to 2033 using Scale AA) and annuitants (based on RP-2000 "Healthy Annuitants" table without collar or amount adjustments projected to 2025 using Scale AA).

¹ Used for benefit restrictions and calculations of contributions.

² Used for PBGC, At-Risk calculations and calculation of maximum deductible contributions.

Plan Name: Novelis Warren Hourly Pension Plan

EIN / PN: 41-2098321/003

Plan Sponsor: Novelis Corporation

Valuation Date January 1, 2018

SCHEDULE SB ATTACHMENTS

Termination

"TPF&C Heavy" turnover table with zero terminations beginning at age 55.

Sample rates:

Percentage leaving during the year	
Age	Male or female rate per 1,000
25	66.0
30	52.0
35	40.5
40	31.5
45	26.0
50	19.5
55	0.0

Disability

Rates varying by age and gender.

Sample rates:

Percentage becoming disabled during the year		
Age	Male	Female
30	0.24%	0.48%
45	0.40%	0.79%
60	2.76%	5.52%

Plan Name: Novelis Warren Hourly Pension Plan
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Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Retirement

Rates varying by age, average age 62.

For purposes of determining the funding target and target normal cost (both disregarding at-risk assumptions), sample rates at which participants retire by age are shown below:

Sample rates:

Percentage retiring during the year	
Age	Rate
55	2%
62	50%
65	100%

Benefit commencement date:

Preretirement death benefit	The later of the death of the active participant or the date the participant would have been eligible for early retirement.
Deferred vested benefit	The later of normal retirement date or termination of employment; immediate commencement is assumed for any current deferred vested participants who are beyond normal retirement age.
Disability benefit	Upon disablement
Retirement benefit	Immediate upon termination of employment after reaching early retirement eligibility.

Form of payment

100% of single participants are assumed to elect a life annuity; 100% of married participants are assumed to elect a 50% surviving spouse option.

Percent married

90% of males; 70% of females. Used to value pre-retirement surviving spouse benefits and in determining the optional forms expected to be elected at commencement.

Spouse age

Wife three years younger than husband

Administrative expenses

\$80,000

Plan Name:	Novelis Warren Hourly Pension Plan
EIN / PN:	41-2098321/003
Plan Sponsor:	Novelis Corporation
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Cash flow:

Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month.
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Methods

Valuation date	First day of plan year.
----------------	-------------------------

Funding target	Present value of accrued benefits as required by regulations under IRC §430.
----------------	--

Target normal cost	Present value of benefits expected to accrue during the plan year plus plan-related expenses expected to be paid from plan assets during the plan year as required by regulations under IRC §430.
--------------------	---

Actuarial value of assets for determining minimum required contributions	<p>Average of the fair market value of assets on the valuation date and 12 and 24 months preceding the valuation date, adjusted for contributions, benefits, administrative expenses and expected earnings (with such expected earnings limited as described in IRS Notice 2009-22). The average asset value must be within 10% of market value, including discounted contributions receivable (discounted using the effective interest rate for the 2017 plan year).</p> <p>The method of computing the actuarial value of assets complies with rules governing the calculation of such values under the Pension Protection Act of 2006 (PPA). These rules produce smoothed values that reflect the underlying market value of plan assets but fluctuate less than the market value. As a result, the actuarial value of assets will be lower than the market value in some years and greater in other years. However, over the long term under PPA's smoothing rules, the method has a significant bias to produce an actuarial value of assets that is below the market value of assets.</p>
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Benefits not valued	All benefits described in the Plan Provisions section of this report were valued. Willis Towers Watson has reviewed the plan provisions with Novelis and, based on that review, is not aware of any significant benefits required to be valued that were not.
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Plan Name:	Novelis Warren Hourly Pension Plan
EIN / PN:	41-2098321/003
Plan Sponsor:	Novelis Corporation
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Sources of Data and Other Information

In preparing the valuation contained in this report, Willis Towers Watson has relied upon data and information regarding plan provisions, participants, assets, contributions, and sponsor funding elections and accounting policies and methods provided to us by Novelis and other persons or organizations designated by Novelis. We have relied on all the data and information provided as complete and accurate. We have reviewed this data and information for overall reasonableness and consistency, but have neither audited nor independently verified this information. Based on discussions with and concurrence by the plan sponsor, assumptions or estimates may have been made if data were not available. The data was not adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date since the data collection date and the measurement date are the same. We are not aware of any material errors, omissions or inconsistencies in the data, that would have a significant effect on the results of our calculations.

A summary of participant data reflected can be found in Section 3 of this report.

Assumptions Rationale

Discount rate	The basis chosen was selected by the plan sponsor from among choices prescribed by law, all of which are based on observed market data over certain periods of time.
Healthy Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h). Note that the plan sponsor has decided, as allowed by regulation §1.430(h)(3)-1, to delay until the 2019 plan year updating the required mortality table to reflect the RP-2014 study and subsequent Society of Actuaries studies.
Disabled Mortality	Assumptions used for funding purposes are as prescribed by IRC §430(h).
Other significant assumptions	See memo "Novelis - Assumption Rationale and Documentation Memo" provided on April 13, 2018.

Plan Name:	Novelis Warren Hourly Pension Plan
EIN / PN:	41-2098321/003
Plan Sponsor:	Novelis Corporation
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Source of Prescribed Methods

Funding methods

The methods used for funding purposes as described in Appendix A, including the method of determining plan assets, are “prescribed methods set by law”, as defined in the actuarial standards of practice (ASOPs). These methods are required by IRC §430, or were selected by the plan sponsor from a range of methods permitted by IRC §430.

Changes in Assumptions and Methods

Change in assumptions since prior valuation

The segment interest rates used to calculate the funding target and target normal cost were updated from an applicable month of September 2016 to September 2017 reflecting the interest rate corridors of HATFA.

The required mortality table used to calculate the funding target and target normal cost was updated to include one additional year of projected mortality improvements.

Change in methods since prior valuation

None

Plan Name: Novelis Warren Hourly Pension Plan
EIN / PN: 41-2098321/003
Plan Sponsor: Novelis Corporation
Valuation Date: January 1, 2018

**SCHEDULE SB
(Form 5500)**Department of the Treasury
Internal Revenue ServiceDepartment of Labor
Employee Benefits Security Administration

Pension Benefit Guaranty Corporation

**Single-Employer Defined Benefit Plan
Actuarial Information**This schedule is required to be filed under section 104 of the Employee
Retirement Income Security Act of 1974 (ERISA) and section 6059 of the
Internal Revenue Code (the Code).▶ **File as an attachment to Form 5500 or 5500-SF.**

OMB No. 1210-0110

2018**This Form is Open to Public
Inspection**

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

▶ **Round off amounts to nearest dollar.**▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan Novelis Warren Hourly Pension Plan		B Three-digit plan number (PN) ▶	003
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF Novelis Corporation		D Employer Identification Number (EIN) 41-2098321	
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B		F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500	

Part I Basic Information

1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>				
2 Assets:				
a Market value.....		2a	11,969,249	
b Actuarial value		2b	11,400,785	
3 Funding target/participant count breakdown		(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment		126	6,910,960	6,910,960
b For terminated vested participants		20	450,037	450,037
c For active participants		45	3,782,336	4,039,182
d Total		191	11,143,333	11,400,179
4 If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐				
a Funding target disregarding prescribed at-risk assumptions		4a		
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor		4b		
5 Effective interest rate		5	5.63%	
6 Target normal cost		6	246,121	

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

**SIGN
HERE**

Lori Wolfersberger, FSA, EA

Signature of actuary

Lori Wolfersberger, FSA, EA

Type or print name of actuary

Willis Towers Watson US, LLC

Firm name

1500 Market Street

Philadelphia PA 19102

Address of the firm

9/18/2019

Date

1707341

Most recent enrollment number

215-246-4942

Telephone number (including area code)

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

For Paperwork Reduction Act Notice, see the Instructions for Form 5500 or 5500-SF.

Schedule SB (Form 5500) 2018
v. 171027

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	0	0
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8).....	0	0
10 Interest on line 9 using prior year's actual return of <u>14.20%</u>	0	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year).....		273,360
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>5.82%</u>		15,910
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return.....		0
c Total available at beginning of current plan year to add to prefunding balance.....		289,270
d Portion of (c) to be added to prefunding balance.....		0
12 Other reductions in balances due to elections or deemed elections.....	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12).....	0	0

Part III	Funding Percentages
-----------------	----------------------------

14	Funding target attainment percentage	14	100.00%
15	Adjusted funding target attainment percentage.....	15	100.00%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	100.03%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls

18 Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
09/04/2019	270,000	0			
Totals ►			18(b)	270,000	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years.....	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....	19c	246,332

20 Quarterly contributions and liquidity shortfalls:

a Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No

b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No

C If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 3.92 %	2nd segment: 5.52 %	3rd segment: 6.29 %	☐ N/A, full yield curve used
b Applicable month (enter code)	21b			4
22 Weighted average retirement age	22			62
23 Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☒ Prescribed - separate	☐ Substitute
	Current regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes	☒ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes	☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment	☒ Yes	☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	246,121	
b Excess assets, if applicable, but not greater than line 31a	31b	606	
32 Amortization installments:			
a Net shortfall amortization installment	Outstanding Balance	Installment	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	245,515	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	0	0
36 Additional cash requirement (line 34 minus line 35)	36	245,515	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	246,332	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	817	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:			
a Schedule elected	☐ 2 plus 7 years	☐ 15 years	
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008	☐ 2009	☐ 2010 ☐ 2011

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 22
Description of Weighted Average Retirement Age
as of January 1, 2018

See Appendix A for retirement rates. The average retirement age for Line 22 was calculated by determining the average age at retirement for those current active participants expected to reach retirement, based on all current decrements assumed.

<i>Retirement Age (1)</i>	<i>Assumed Rate (2)</i>	<i>Participants At Beginning (3)</i>	<i>Participants Retiring: (2)x(3) (4)</i>	<i>(1)*(4) (5)</i>
55	0.020	1,000.00	20.00	1,100.00
56	0.020	980.00	19.60	1,097.60
57	0.020	960.40	19.21	1,094.97
58	0.020	941.19	18.82	1,091.56
59	0.020	922.37	18.45	1,088.55
60	0.050	903.92	45.20	2,712.00
61	0.050	858.72	42.94	2,619.34
62	0.500	815.78	407.89	25,289.18
63	0.100	407.89	40.79	2,569.77
64	0.100	367.10	36.71	2,349.44
65	1.000	330.39	<u>330.39</u>	<u>21,475.35</u>
			1,000.00	62,487.76

$$62,487.76 \div 1,000 = 62$$

Plan Name: Novelis Warren Hourly Pension Plan
EIN / PN: 41-2098321/003
Plan Sponsor: Novelis Corporation
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Novelis Corporation
EIN/PN	41-2098321/003
Plan Name	Novelis Warren Hourly Pension Plan
Valuation Date	January 1, 2018
Enrolled Actuary	Lori Wolfersberger, FSA, EA
Enrollment Number	17-07341

The actuarial assumptions that are not mandated by IRC § 430 and regulations, represent the enrolled actuary's best estimate of anticipated experience under the plan, subject to the following conditions:

The actuarial valuation, on which the information in this Schedule SB is based, has been prepared in reliance upon the employee and financial data furnished by the plan administrator and the trustee. The enrolled actuary has not made a rigorous check of the accuracy of this information but has accepted it after reviewing it and concluding it is reasonable in relation to similar information furnished in previous years. The amounts of contributions and dates paid shown in Item 18 of Schedule SB were listed in reliance on information provided by the plan administrator and/or trustee.

SCHEDULE SB ATTACHMENTS

Schedule SB, Part V Summary of Plan Provisions

Plan Provisions

Effective date	January 1, 2006. The most recent amendment reflected in the following plan provisions was effective April 18, 2017.
Covered Employees	Full-time employees in the bargaining unit hired before February 16, 2017.
Participation Date	Date of hire

Definitions

Eligibility service	All aggregated periods of service considered as service with the Company (including service with Alcan) and not forfeited through break-in-service rules and maternity leaves of absence as required by law. Employees who have completed 1,000 Hours of Service within one calendar year will receive one year of eligibility service credit. Partial years of service shall be computed to the nearest multiple of 180 hours of service equal to 1/10th of a year whenever the hours for which an employee receives compensation are less than 1,000.
Benefit service	Full years and completed months of service accrued and included in eligibility service. Employees who have completed 1,800 hours of service within one calendar year will receive one year of benefit service. Partial years of service shall be computed to the nearest 1/10th of a year whenever the hours for which an employee receives compensation are less than 1,800.
Normal retirement date (NRD)	Age 65

Plan Name:	Novelis Warren Hourly Pension Plan
EIN / PN:	41-2098321/003
Plan Sponsor:	Novelis Corporation
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Gross normal retirement benefit

A monthly amount equal to benefit service multiplied by:

Benefit Level	Effective Date
39.00	3/1/2007
40.00	3/1/2008
41.00	3/1/2009
42.00	3/1/2010
43.00	3/1/2011
44.00	3/1/2012
45.00	3/1/2013
46.00	3/1/2014
46.50	3/1/2015
47.00	3/1/2016
48.00	3/1/2017
49.00	3/1/2018
50.00	3/1/2019
51.00	3/1/2020

Preretirement spouse benefit

If married, reduced 50% joint and survivor early retirement benefit if attained age 60 or 50% accrued benefit for all others reduced to be payable at age 60.

Disability benefit

The accrued benefit determined as of disability date, payable immediately.

Eligibility for Benefits

Normal retirement

Retirement on NRD

Early retirement

Retirement before NRD and on or after both attaining age 55 and completing ten years of vesting service

Postponed retirement

Retirement after NRD

Vested termination

Termination after completing five years of eligibility service.

Plan Name: Novelis Warren Hourly Pension Plan
EIN / PN: 41-2098321/003
Plan Sponsor: Novelis Corporation
Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Disability	Permanently incapacitated for some unavoidable cause while an hourly employee on or before his 65th birthday and after having completed at least 10 years of eligibility service.
Preretirement spouse benefit	Death while eligible for normal, early, postponed or deferred vested retirement benefits, with a surviving spouse. Benefits can commence on or after both attaining age 55 and completing ten years of eligibility service.

Benefits Paid Upon the Following Events

Normal retirement	Gross normal retirement benefit payable immediately.
Early retirement	The gross normal retirement benefit, reduced 3.0% per year prior to age 65 to age 62, and 5.0% for each additional year.
Postponed retirement	Gross normal retirement benefit payable immediately.
Vested termination	Gross normal retirement payable unreduced at age 65, reduced as for early retirement if commencement of payments precedes NRD.
Death with preretirement spouse benefits	The preretirement spouse benefit is payable.
Disability	The disability benefit is payable.

Other Plan Provisions

Forms of payment	For single employees, benefits will be paid in the form of a single life annuity. For married employees, benefits will be paid in the form of the 50% joint and survivor annuity. Optional forms are up to a 75% joint and survivor annuity.
Conversion factors for optional forms of payment	6.00% interest and the "Applicable Mortality Table" as in effect for 2012 pursuant to Section 417(e)(3) of the Code.

Plan Name:	Novelis Warren Hourly Pension Plan
EIN / PN:	41-2098321/003
Plan Sponsor:	Novelis Corporation
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Maximum on benefits and pay

All benefits and pay for any calendar year may not exceed the maximum limitations for that year as defined in the Internal Revenue Code. The plan provides for increasing the dollar limits automatically as such changes become effective. Increases in dollar limits are assumed for pension cost, but not for determining contributions.

Plan Status for PBGC Reporting Purposes

Ongoing, but eligibility frozen.

Future Plan Changes

No future plan changes were recognized in determining minimum and maximum contributions.

Changes in Benefits Valued Since Prior Year

The ultimate benefit multiplier increased from \$47 to \$51 per month, and the plan was closed to employees hired after February 16, 2017.

Plan Name:	Novelis Warren Hourly Pension Plan
EIN / PN:	41-2098321/003
Plan Sponsor:	Novelis Corporation
Valuation Date	January 1, 2018