

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>WOODWARD FST EMPLOYEES' PENSION PLAN</u>	1b	Three-digit plan number (PN) ▶ <u>005</u>
		1c	Effective date of plan <u>06/15/1998</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>WOODWARD, INC.</u> <u>1081 WOODWARD WAY</u> <u>FORT COLLINS, CO 80524-1519</u>	2b	Employer Identification Number (EIN) <u>36-1984010</u>
		2c	Plan Sponsor's telephone number <u>970-498-3212</u>
		2d	Business code (see instructions) <u>339900</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.	10/14/2019	PHOEBE LARSON
	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	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
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	5 328
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) 107 6a(2) 94 6b 177 6c 32 6d 303 6e 22 6f 325 6g 6h 0
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:

1A 1B

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)** ☐ **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>WOODWARD FST EMPLOYEES' PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>005</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>WOODWARD, INC.</u>	D Employer Identification Number (EIN) <u>36-1984010</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>24682896</u>	
b Actuarial value	2b	<u>22799155</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>187</u>	<u>15662156</u>	<u>15662156</u>
b For terminated vested participants	<u>36</u>	<u>1213516</u>	<u>1213516</u>
c For active participants	<u>107</u>	<u>4875686</u>	<u>4926013</u>
d Total	<u>330</u>	<u>21751358</u>	<u>21801685</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>5.58 %</u>	
6 Target normal cost	6	<u>262000</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		
Signature of actuary	<u>10/09/2019</u>	Date
<u>CARL CRUZAN</u>	<u>17-07108</u>	Most recent enrollment number
Type or print name of actuary	<u>314-719-5900</u>	Telephone number (including area code)
<u>WILLIS TOWERS WATSON US LLC</u>		
Firm name		
<u>101 SOUTH HANLEY ROAD SUITE 900 ST. LOUIS, MO 63105-3437</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)	1004895	
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	269203	
9 Amount remaining (line 7 minus line 8)	735692	
10 Interest on line 9 using prior year's actual return of <u>18.27</u> %	134411	
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		
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>5.80</u> %		0
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		
c Total available at beginning of current plan year to add to prefunding balance		
d Portion of (c) to be added to prefunding balance		
12 Other reductions in balances due to elections or deemed elections		
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	870103	

Part III Funding Percentages

14 Funding target attainment percentage	14	100.58%
15 Adjusted funding target attainment percentage	15	104.57%
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	104.85%
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
Totals ▶			18(b)		18(c)

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	
b Contributions made to avoid restrictions adjusted to valuation date	19b	
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	

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	63	
23	Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate
		Current regulation:	☐ Prescribed - combined	☐ Prescribed - separate
			☐ Substitute	☐ 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	
29	Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	
30	Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	

Part VIII Minimum Required Contribution For Current Year

31	Target normal cost and excess assets (see instructions):		
a	Target normal cost (line 6)	31a	262000
b	Excess assets, if applicable, but not greater than line 31a	31b	127367
32	Amortization installments:	Outstanding Balance	Installment
a	Net shortfall amortization installment		
b	Waiver amortization installment		
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	134633
		Carryover balance	Prefunding balance
35	Balances elected for use to offset funding requirement	134633	134633
36	Additional cash requirement (line 34 minus line 35)	36	0
37	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	
38	Present value of excess contributions for current year (see instructions)		
a	Total (excess, if any, of line 37 over line 36)	38a	0
b	Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	
39	Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	
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 C (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Service Provider Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ 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 WOODWARD FST EMPLOYEES' PENSION PLAN	B Three-digit plan number (PN) ▶	005
C Plan sponsor's name as shown on line 2a of Form 5500 WOODWARD, INC.	D Employer Identification Number (EIN) 36-1984010	

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

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)

VANGUARD FIDUCIARY TRUST

23-2186884

(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?
13	TRUSTEE	11353	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

WILLIS TOWERS WATSON US LLC

86-0181291

(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?
11	ACTUARY	33897	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

BENNING GROUP, LLC

30-0003878

(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?
10	AUDITOR	15500	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)

DIMEO SCHNEIDER & ASSOCIATES, LLC

36-4001764

(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?
27	INVESTMENT ADVISOR	22500	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

MILLIMAN

91-0675641

(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?
15	RECORDKEEPER	32358	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

WILSON SONSINI GOODRICH & ROSATI

94-2451946

(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?
29	ATTORNEY	12627	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
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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

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

a Name:	JOHN ALDERSON	b EIN:	53-0181291
c Position:	ACTUARY		
d Address:	16600 SWINGLEY RIDGE ROAD CHESTERFIELD, MO 63017-1706	e Telephone:	

Explanation: ENROLLED ACTUARY IS NO LONGER EMPLOYED AT WILLIS TOWERS WATSON

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:

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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 WOODWARD FST EMPLOYEES' PENSION PLAN	B Three-digit plan number (PN) ►	005
C Plan sponsor's name as shown on line 2a of Form 5500 WOODWARD, INC.	D Employer Identification Number (EIN) 36-1984010	

Part I	Asset and Liability Statement		(a) Beginning of Year	(b) End of Year
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	Total noninterest-bearing cash	1a	357378	134251
b	Receivables (less allowance for doubtful accounts):			
	(1) Employer contributions.....	1b(1)		
	(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)		
	(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)	24325518	21393886
	(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
	(15) Other	1c(15)		

		(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:		
(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	24682896 21528137
Liabilities			
g	Benefit claims payable	1g	
h	Operating payables	1h	10742 13370
i	Acquisition indebtedness	1i	
j	Other liabilities	1j	
k	Total liabilities (add all amounts in lines 1g through 1j)	1k	10742 13370
Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	24672154 21514767

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.

		(a) Amount	(b) Total
a	Contributions:		
(1)	Received or receivable in cash from: (A) Employers	2a(1)(A)	
	(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)	
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)	
(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)	890849
	(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)	890849
(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)	
(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)	

		(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)		
(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)		-2343617
c Other income.....	2c		
d Total income. Add all income amounts in column (b) and enter total.....	2d		-1452768

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	1489070	
(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)		1489070
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)	94382	
(2) Contract administrator fees.....	2i(2)	11353	
(3) Investment advisory and management fees.....	2i(3)	22500	
(4) Other	2i(4)	87314	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		215549
j Total expenses. Add all expense amounts in column (b) and enter total	2j		1704619

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-3157387
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: BENNING GROUP, LLC

(2) EIN: 30-0003878

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		20000000
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		X	
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 4161704. (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>WOODWARD FST EMPLOYEES' PENSION PLAN</u>	B Three-digit plan number (PN) ▶ <u>005</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>WOODWARD, INC.</u>	D Employer Identification Number (EIN) <u>36-1984010</u>

Part I	Distributions
---------------	----------------------

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	
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>23-2926795</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.)
----------------	---

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
-----------------	-------------------

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
--	-----------------------------------	-----------------------------------	-------------------------------	--

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.
----------------	---

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: _____ % Investment-Grade Debt: _____ % High-Yield Debt: _____ % Real Estate: _____ % Other: _____ %

- 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):

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

Financial Statements and
Supplemental Schedules

December 31, 2018 and 2017

(With Independent Auditor's Report Thereon)

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

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BENNING GROUP, LLC

CERTIFIED PUBLIC ACCOUNTANTS

www.BenningGroup.com

Independent Auditor's Report

The Plan Administrator
Woodward FST Employees' Pension Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of the Woodward FST Employees' Pension Plan (Plan) as listed in the accompanying table of contents, as of December 31, 2018 and 2017 and for the years then ended, 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.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matters 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 5, which was certified by Vanguard Fiduciary Trust Company, the trustee of the Plan, except for comparing the information with the related information included in the financial statements and supplemental schedules. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the trustee as of and for the years ended December 31, 2018 and 2017, that the information provided to the plan administrator by the trustee is complete and accurate.

50 W. Douglas Street, Suite 801
Freeport, Illinois 61032
(815) 235-3157
Fax (815) 235-3158

6815 Weaver Road, Suite 300
Rockford, Illinois 61114
(815) 316-2375
Fax (815) 316-2389

1809 10th Street
Monroe, Wisconsin 53566
(608) 325-5035
Fax (608) 328-2843

Disclaimer of Opinion

Because of the significance of the matters 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.

Other Matter – Supplemental Schedules

The supplemental schedules, as listed in the accompanying table of contents, as of or for the year ended December 31, 2018, are required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 and are presented for the purpose of additional analysis and are not a required part of the financial statements. Because of the significance of the matters described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on the supplemental schedules referred to above.

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

The form and content of the information included in the financial statements and supplemental schedules, other than that derived from the information certified by the trustee, 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.

A handwritten signature in black ink that reads "Banning Group, LLC". The signature is written in a cursive, flowing style.

Rockford, Illinois
September 23, 2019

WOODWARD
FST EMPLOYEES' PENSION PLAN
Statements of Net Assets Available for Benefits
December 31, 2018 and 2017

	<u>2018</u>	<u>2017</u>
Assets:		
Cash	\$ 134,251	357,378
Investments at fair value	21,393,886	24,325,518
Employer contribution receivable	<u>—</u>	<u>—</u>
Total assets	21,528,137	24,682,896
Liabilities –		
Accrued administrative fees	<u>13,370</u>	<u>10,742</u>
 Net assets available for benefits	 \$ <u>21,514,767</u>	 <u>24,672,154</u>

See accompanying notes to financial statements.

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

Statements of Changes in Net Assets Available for Benefits

For the Years Ended December 31, 2018 and 2017

	<u>2018</u>	<u>2017</u>
Additions to net assets attributed to:		
Investment income:		
Interest and dividends	\$ 890,849	925,981
Net appreciation in fair value of investments	<u>—</u>	<u>3,020,567</u>
Net investment income	890,849	3,946,548
Employer contributions	<u>—</u>	<u>—</u>
Total additions	890,849	3,946,548
Deductions from net assets attributed to:		
Net depreciation in fair value of investments	2,343,617	—
Benefits paid	1,489,070	1,398,686
Administrative fees	<u>215,549</u>	<u>257,414</u>
Total deductions	<u>4,048,236</u>	<u>1,656,100</u>
Net increase (decrease) in net assets available for benefits	(3,157,387)	2,290,448
Net assets available for benefits:		
Beginning of year	<u>24,672,154</u>	<u>22,381,706</u>
End of year	\$ <u>21,514,767</u>	<u>24,672,154</u>

See accompanying notes to financial statements.

WOODWARD
FST EMPLOYEES' PENSION PLAN
Statements of Accumulated Plan Benefits
January 1, 2018 and 2017

	<u>2018</u>	<u>2017</u>
Actuarial present value of accumulated plan benefits:		
Vested benefits:		
Participants and beneficiaries currently receiving benefits	\$ 14,617,741	14,569,527
Other participants	<u>5,520,720</u>	<u>5,745,098</u>
	20,138,461	20,314,625
Nonvested benefits	<u>45,105</u>	<u>52,715</u>
Total actuarial present value of accumulated plan benefits	\$ <u>20,183,566</u>	<u>20,367,340</u>

See accompanying notes to financial statements.

WOODWARD
FST EMPLOYEES' PENSION PLAN
Statements of Changes in Accumulated Plan Benefits
For the Years Ended January 1, 2018 and 2017

	<u>2018</u>	<u>2017</u>
Actuarial present value of accumulated plan benefits at the beginning of year	\$ 20,367,340	20,536,234
Increase (decrease) during the year attributable to:		
Net benefits accumulated	—	—
Actuarial (gains) losses	214,165	843,011
Increase for interest due to decrease in discount period	1,327,590	1,339,355
Change in actuarial assumptions	(326,843)	453,911
Benefits paid	<u>(1,398,686)</u>	<u>(2,805,171)</u>
Net decrease	<u>(183,774)</u>	<u>(168,894)</u>
 Total actuarial present value of accumulated plan benefits at the end of the year	 \$ <u>20,183,566</u>	 <u>20,367,340</u>

See accompanying notes to financial statements.

WOODWARD
FST EMPLOYEES' PENSION PLAN

Notes to Financial Statements

December 31, 2018 and 2017

(1) Description of Plan

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

(a) General

The Plan is a defined benefit pension plan covering substantially all Fuel Systems Textron (FST) employees of Woodward, Inc. (Company) hired prior to September 30, 1999. The Plan and related trust were established on June 15, 1998 pursuant to the purchase of the FST Division of Textron, Inc. by the Company. The Plan was amended to freeze service as of September 30, 1999 but allow salary increases for salaried employees. Effective January 1, 2007, the Plan was further amended to exclude compensation earned after December 31, 2006 from participants' retirement benefit calculation. The Plan was further amended and restated effective January 1, 2016 and is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA), as amended.

Effective July 22, 2016, the Company amended the Plan to permit a special distribution election allowing a participant who satisfies certain requirements to elect an immediate distribution of his or her fully vested retirement pension benefits without regard to age or vesting service for purposes of retirement pension benefit eligibility. The Company made a lump-sum offering to participants between July 22 and August 22, 2016, resulting in distribution payments totaling approximately \$1,461,000.

The Company further amended the Plan effective January 1, 2017 to allow retired members to return to work without disruption of their pension benefits.

(b) Pension Benefits

The Plan provides benefits to participating employees upon normal or early retirement, upon termination of employment, upon disability if eligible for disability benefit, and upon death if eligible for a pre-retirement spouse's benefit.

The normal retirement benefit is payable at age 65. The benefit formula for salaried employees is a final average pay formula which is integrated with Social Security which, as of January 1, 2007, excludes compensation earned after December 31,

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

Notes to Financial Statements

2006. The benefit for hourly employees is a flat monthly dollar benefit of \$20 multiplied by the years of service as of September 30, 1999.

The early retirement benefit is based on the pay and service as of the termination date and is calculated under the same formula as the normal retirement benefit. Participants are eligible for early retirement at age 55 if they meet the service requirement. Benefits are reduced for commencement of benefits prior to age 65. Also, unreduced benefits at age 62 are available if the participant meets certain service requirements, as specified in the Plan document.

A participant who terminates prior to attaining eligibility for early retirement is eligible for a deferred vested benefit. The benefit is the accrued normal retirement benefit and is reduced for commencement prior to age 65.

The normal form of benefit payment is a life annuity. All other benefit forms are actuarially equivalent to the life annuity.

(c) Death and Disability Benefits

A participant who terminates employment due to a total disability and has met the eligibility requirements for a disability benefit is entitled to a disability benefit. Disability benefits will begin upon the later of the expiration of any temporary disability benefits or six months after the date the individual was first eligible to receive Social Security disability benefits. A pre-retirement spouse's benefit is provided upon the death of a participant.

(d) Vesting

All participants are 100% vested.

(2) Summary of Significant Accounting Policies

(a) Basis of Accounting

The accompanying financial statements are prepared on the accrual basis of accounting.

(b) Date of Management's Review

Subsequent events were evaluated through September 23, 2019, which is the date the financial statements were available to be issued.

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

Notes to Financial Statements

(c) Use of Estimates

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

(d) Investment Valuation and Income Recognition

Under the terms of the Trust agreement between The Vanguard Fiduciary Trust Company (Trustee) and the Plan, the Trustee manages trust funds and executes investment transactions as directed by the Plan. The Plan's investments are stated 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 6 for discussion of fair value measurements.

Purchases and sales of securities are recorded on trade-date basis. Interest income is recorded on the accrual basis and dividends are recorded on the ex-dividend date. Capital gains distributions are included in dividend income. Net appreciation (depreciation) in fair value of investments includes the Plan's gains and losses on investments bought and sold as well as held during the year.

(e) Payment of Benefits

Benefit payments to participants are recorded upon distribution.

(f) Administrative Expenses

Services provided by the Plan actuary, record keepers, Plan auditors and Trustee are paid by the Plan. Indirect investment fees are netted against the net appreciation in fair value of assets. Certain administrative expenses, including functions performed by officers or employees of the Company, are incurred by the Company at no charge to the Plan.

(g) Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits are those future periodic payments, including lump sum distributions, which 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 under the plan are based on employees' compensation during the last six years ended

WOODWARD
FST EMPLOYEES' PENSION PLAN

Notes to Financial Statements

on or before December 31, 2006. Benefits payable under all circumstances – retirement, death, disability, and termination of employment – are included, to the extent they are deemed attributable to employee service rendered through December 31, 2006. Benefits to be provided via annuity contracts excluded from plan assets are excluded from accumulated plan benefits.

The actuarial present value of accumulated plan benefits is determined by the Company's consulting actuaries and is the 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.

The significant actuarial assumptions used in the valuations as of January 1, 2018 and 2017 were (a) discount rate of 6.75% in 2018 and 2017 (b) the life expectancy of participants (based up the RP-2014 statutory tables) (c) retirement age assumptions (assumed retirement age was between 55 and 70), (d) no compensation increases included after December 31, 2006, (e) assumed plan related expenses added to the normal cost were \$262,000 in 2018 and \$315,000 in 2017, and (f) investment rates of return based upon the interest rate corridors of MAP-21. These rates are intended to represent the net yield after investment expenses over an extended period of time in the future. 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 plan benefits.

(3) Funding Policy

Annual contributions are made by the Company in amounts determined with the assistance of the actuary to fund benefits to be paid to Plan participants. The Company intends to contribute to the Plan no less than the minimum amount required to satisfy the minimum funding standards of the Internal Revenue Code. The Company contributions for the years ended December 31, 2018 and 2017, respectively, satisfied the minimum funding requirements of ERISA.

(4) Plan Termination

Although it has not expressed any intention to do so, the Company has the right under the Plan to terminate the Plan subject to the provisions set forth in ERISA.

WOODWARD
FST EMPLOYEES' PENSION PLAN

Notes to Financial Statements

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:

- a. 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.
- b. Other vested benefits insured by the Pension Benefit Guarantee Corporation (PBGC), a U.S. Government Agency, up to the applicable limitations discussed below.
- c. All other vested benefits not insured by the PBGC.
- d. 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 benefit 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. However, there is a statutory ceiling, which is adjusted periodically, on the amount of an individual's monthly benefit that the PBGC guarantees. For plan terminations occurring during 2018 that ceiling is \$5,420 per month.

That ceiling applies to those pensioners who elect to receive their benefits in the form of a single-life annuity and are at least 65 years old at the time of retirement or plan termination, whichever comes later. For younger annuitants or for those who elect to receive their benefits in some form more valuable than a single-life annuity, the corresponding ceilings are actuarially adjusted downward.

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 Company and the level of benefits guaranteed by the PBGC.

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

Notes to Financial Statements

(5) Certification of Financial Information

The plan administrator has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Vanguard Fiduciary Trust Company has certified that the Plan's investments, interest and dividends, and net appreciation in fair value of investments as reported to the Plan and included in the accompanying financial statements and supplemental schedules are complete and accurate as of December 31, 2018 and 2017 and the years then ended.

(6) Fair Value Measurements

The Plan's investments are reported at fair value in the accompanying statement of net assets available for benefits. The methods used to measure fair value may produce an amount that may not be indicative of net realizable value or reflective of future fair values. Furthermore, although the Plan believes its valuation methods are 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.

The fair value measurements authoritative literature establishes a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy consists of three broad levels: Level 1 inputs consist of unadjusted quoted prices in active markets for identical assets and have the highest priority, Level 2 inputs consist of observable inputs other than quoted prices for identical assets, and Level 3 inputs are unobservable and have the lowest priority. The Plan uses appropriate valuation techniques based on the available inputs to measure the fair value of its investments.

When available, the Plan measures fair value using Level 1 inputs because they generally provide the most reliable evidence of fair value. Level 3 inputs were used only when Level 1 or Level 2 inputs were not available.

Mutual funds are valued at the quoted net asset value of shares held by the plan at year end.

At December 31, 2018 and 2017 the plan's assets consisted of mutual funds which were all considered Level 1 assets.

WOODWARD
FST EMPLOYEES' PENSION PLAN

Notes to Financial Statements

(7) Related Party Transactions

Certain Plan investments are shares of mutual funds managed by and sold through affiliates of Vanguard Fiduciary Trust Company (Vanguard). Vanguard is the Trustee as defined by the Plan and, therefore, these transactions qualify as party-in-interest transactions. Certain administrative expenses, including functions performed by officers or employees of the Company, are incurred by the Company at no charge to the Plan.

(8) Tax Status

The Internal Revenue Service has determined and informed the Company by a letter dated May 10, 2017 that the Plan is designed in accordance with applicable sections of the Internal Revenue Code (IRC). 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 provisions of the IRC.

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability for any uncertain position that more likely than not would not be sustained upon examination by the IRS. The plan administrator has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2018 and 2017, there are no uncertain positions taken or expected to be taken that would require recognition of a liability or disclosure in the financial statements. The Plan is subject to routine audits by tax authorities; however, there are currently no audits for any tax periods in progress.

(9) Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Due to the level of risk associated with certain investment securities it is at least reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts reported in the statements of net assets available for benefits.

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.

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

EIN #36-1984010 Plan #005

Schedule H, Line 4(i) – Schedule of Assets (Held at End of Year)

December 31, 2018

(a)	(b)	(c)	(d)	(e)
	Identity of Issuer	Description of Investment	Cost	Current Value
*	The Vanguard Group	Vanguard Cash Account Registered Investment Company	\$ 128,942	128,942
*	The Vanguard Group	Vanguard Federal Money Market Fund Registered Investment Company	5,309	5,309
*	The Vanguard Group	Vanguard Long-Term Inv-Grade Fund Adm Registered Investment Company	13,468,387	13,511,027
*	The Vanguard Group	Vanguard International Growth Fund Admiral Registered Investment Company	2,096,895	2,832,348
*	The Vanguard Group	Vanguard Total Stock Market Index Fund Registered Investment Company	2,378,843	5,050,511
			<u>\$ 18,078,376</u>	<u>21,528,137</u>

* Denotes party-in-interest

**WOODWARD
FST EMPLOYEES' PENSION PLAN**

EIN #36-1984010 Plan #005

Schedule H, Line 4(j) – Schedule of Reportable (5%) Transactions

December 31, 2018

(a)	(b)	(c)	(d)	(g)	(h)	(i)
<u>Identity of Party Involved</u>	<u>Description of asset</u>	<u>Purchase Price</u>	<u>Selling Price</u>	<u>Cost of Asset</u>	<u>Current Value of Asset on Transaction Date</u>	<u>Net Gain or (Loss)</u>
* The Vanguard Group	Vanguard Federal Money Market Fund Registered Investment Company	\$ 1,391,722	–	1,391,722	1,391,722	–
* The Vanguard Group	Vanguard Federal Money Market Fund Registered Investment Company	–	1,629,726	1,629,726	1,629,726	–

* Denotes party in interest

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). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	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		and ending	
A This return/report is for:	☐ a multiemployer plan ☒ a single-employer plan	☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☐ a DFE (specify) _____	
B This return/report is:	☐ the first return/report ☐ an amended return/report	☐ the final 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 ☐ special extension (enter description) _____	☐ automatic extension ☐ the DFVC program	

Part II Basic Plan Information—enter all requested information

1a Name of plan WOODWARD FST EMPLOYEES' PENSION PLAN	1b Three-digit plan number (PN) ▶	005
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) WOODWARD, INC. 1081 WOODWARD WAY FORT COLLINS CO 80524-1519	1c Effective date of plan 06/15/1998	2b Employer Identification Number (EIN) **-***4010
	2c Plan Sponsor's telephone number 970-498-3212	2d Business code (see instructions) 339900

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		10/16/2018	
	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)

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number
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	5 328
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	6a(1) 107
a(2) Total number of active participants at the end of the plan year	6a(2) 94
b Retired or separated participants receiving benefits	6b 177
c Other retired or separated participants entitled to future benefits	6c 32
d Subtotal. Add lines 6a(2), 6b, and 6c	6d 303
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits	6e 22
f Total. Add lines 6d and 6e	6f 325
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	6g
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6h 0
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 Characteristic Codes in the instructions:

1A 1B

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic 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) ☐ **A** (Insurance Information)
- (4) ☒ **C** (Service Provider Information)
- (5) ☐ **D** (DFE/Participating Plan Information)
- (6) ☐ **G** (Financial Transaction Schedules)

WOODWARD, INC.

-*4010

Form 5500 (2018)

Page 3

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 ATTACHMENTS

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

The average retirement age for Line 22 was calculated by creating a hypothetical life table with retirement as the only decrement, and then computing the average retirement age for the table.

x	q_x^r	l_x	${}_{x-55}p_{55} = l_x / l_{55}$	$q_x^r * l_x / l_{55}$	$x * q_x^r * l_x / l_{55}$
55	0.070	1,000,000	1.000000	0.070000	3.850000
56	0.070	930,000	0.930000	0.065100	3.645600
57	0.070	864,900	0.864900	0.060543	3.450951
58	0.070	804,357	0.804357	0.056305	3.265689
59	0.070	748,052	0.748052	0.052364	3.089455
60	0.150	695,688	0.695688	0.104353	6.261195
61	0.150	591,335	0.591335	0.088700	5.410716
62	0.200	502,635	0.502635	0.100527	6.232672
63	0.200	402,108	0.402108	0.080422	5.066559
64	0.200	321,686	0.321686	0.064337	4.117585
65	0.200	257,349	0.257349	0.051470	3.345538
66	0.200	205,879	0.205879	0.041176	2.717606
67	0.200	164,703	0.164703	0.032941	2.207025
68	0.200	131,763	0.131763	0.026353	1.791973
69	0.200	105,410	0.105410	0.021082	1.454660
70	1.000	84,328	0.084328	0.084328	5.902969
Average age at retirement					61.810194

Plan Name: Woodward FST Employees' Pension Plan
 EIN / PN: 36-1984010/005
 Plan Sponsor: Woodward, Inc.
 Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

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

The average retirement age for Line 22 was calculated by creating a hypothetical life table with retirement as the only decrement, and then computing the average retirement age for the table.

x	q_x	l_x	${}_{x-55}p_{55} = l_x / l_{55}$	$q_x * l_x / l_{55}$	$x * q_x * l_x / l_{55}$
55	0.030	1,000,000	1.000000	0.030000	1.650000
56	0.030	970,000	0.970000	0.029100	1.629600
57	0.030	940,900	0.940900	0.028227	1.608939
58	0.030	912,673	0.912673	0.027380	1.588051
59	0.030	885,293	0.885293	0.026559	1.566968
60	0.100	858,734	0.858734	0.085873	5.152404
61	0.100	772,861	0.772861	0.077286	4.714450
62	0.100	695,575	0.695575	0.069557	4.312562
63	0.100	626,017	0.626017	0.062602	3.943908
64	0.100	563,415	0.563415	0.056342	3.605859
65	0.100	507,074	0.507074	0.050707	3.295980
66	0.250	456,366	0.456366	0.114092	7.530047
67	0.250	342,275	0.342275	0.085569	5.733104
68	0.250	256,706	0.256706	0.064177	4.364004
69	0.250	192,530	0.192530	0.048132	3.321136
70	1.000	144,397	0.144397	0.144397	10.107804

Average age at retirement 64.124816

Rounded for Schedule SB line 22 (all participants) 63

Plan Name: Woodward FST Employees' Pension Plan
 EIN / PN: 36-1984010/005
 Plan Sponsor: Woodward, Inc.
 Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 24 Change in Actuarial Assumptions

Assumed rates of retirement and rates of termination were updated to better reflect anticipated future experience.

Plan Name:	Woodward FST Employees' Pension Plan
EIN / PN:	36-1984010/005
Plan Sponsor:	Woodward, Inc.
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB, Line 25 Change in Method

The decrement timing used in the valuation was changed from beginning of year to rounded middle of year. Under rounded middle of year decrement timing, all decrements are assumed to occur at the middle of the year and eligibility for benefits, commencement and cessation of benefits, and other events are assumed to occur at the middle of the year. The change in funding method meets the parameters for automatic approval of software changes under IRS Rev. Proc. 2017-56.

Plan Name:	Woodward FST Employees' Pension Plan
EIN / PN:	36-1984010/005
Plan Sponsor:	Woodward, Inc.
Valuation Date	January 1, 2018

SCHEDULE SB ATTACHMENTS

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

Attained Age	Attained Years of Credited Service ¹										Total
	Under 1	1-4	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
25-29	0	0	0	0	0	0	0	0	0	0	0
30-34	0	0	0	0	0	0	0	0	0	0	0
35-39	1	1	0	0	0	0	0	0	0	0	2
40-44	2	3	0	0	0	0	0	0	0	0	5
45-49	1	1	2	2	0	0	0	0	0	0	6
50-54	1	4	0	7	0	0	0	0	0	0	12
55-59	3	2	1	16	17	6	0	0	0	0	45
60-64	1	4	1	7	9	8	0	0	0	0	30
65-69	0	0	0	1	0	4	2	0	0	0	7
70 & over	0	0	0	0	0	0	0	0	0	0	0
Total	9	15	4	33	26	18	2	0	0	0	107

¹ Age and service for purposes of determining category are based on exact (not rounded) values.

Plan Name: Woodward FST Employees' Pension Plan
 EIN / PN: 36-1984010/005
 Plan Sponsor: Woodward, Inc.
 Valuation Date: January 1, 2018

SCHEDULE SB ATTACHMENTS

Schedule SB – Statement by Enrolled Actuary

Plan Sponsor	Woodward, Inc.
EIN/PN	36-1984010/005
Plan Name	Woodward FST Employees' Pension Plan
Valuation Date	January 1, 2018
Enrolled Actuary	Carl Cruzan
Enrollment Number	17-07108

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

The plan was originally effective June 15, 1998, and restated January 1, 2016. The most recent amendment reflected herein is Amendment Number 3, which was effective January 1, 2017. The plan was previously amended in 2006 to freeze all benefit accruals.

Covered and participation

No new employees are eligible to participate after September 30, 1999.

Definitions

Vesting service

■ Salaried

The sum of:

1. Years and fractions of a year in completed months under the prior plan through June 14, 1998; and
2. Years and fractions of a year in completed months after June 14, 1998 under this plan

As of September 30, 1999, all active salaried participants were deemed to be 100% vested in their benefit.

■ Hourly

The sum of:

1. Vesting service through December 31, 1997 under the prior plan;
2. For 1998, one year if the sum of hours under the prior plan and hours under this plan is at least 1,000;
3. For each calendar year after December 31, 1998 one year if at least 1,000 hours are worked; and
4. For each calendar year (including 1998) in which less than 1,000 hours are worked, a fraction equal to the Credited Service for that year.

As of September 30, 1999, all active hourly participants were deemed to be 100% vested in their benefit.

Plan Name:	Woodward FST Employees' Pension Plan
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SCHEDULE SB ATTACHMENTS

Credited service

■ Salaried

The lesser of 35 years or the sum of:

1. Credited Service as of June 14, 1998 under the prior plan; and
2. Years and fractions of a year in completed months after June 14, 1998 under this plan.

Credited service was frozen as of September 30, 1999.

■ Hourly

The sum of:

1. Credited Service through December 31, 1997 under the prior plan;
2. For 1998, one year if the sum of hours under the prior plan and hours under this plan is at least 1,700;
3. For each calendar year after December 31, 1998 one year if at least 1,700 hours are worked; and
4. For each calendar year (including 1998) in which less than 1,700 hours are worked, a fraction equal to the actual hours worked divided by 1,700 rounded to nearest tenth.

Credited service was frozen as of September 30, 1999.

Final average monthly compensation

Compensation used in the calculation of benefits for salaried participants was frozen effective January 1, 2007.

Normal retirement date (NRD)

First of the month following attainment of age 65

Monthly pension benefit

■ Salaried

The sum of:

- a. The participant's benefit as of 12/31/1988, multiplied by a fraction, of which the numerator is the final average compensation (FAC) at termination and the denominator is the FAC as of 12/31/1988;

plus

- b. 1% of the participant's FAC multiplied by years of credited service from 12/31/1988 to termination;

plus

- c. 0.5% of the participant's FAC in excess of 82.5% of Covered Compensation multiplied by years of credited service from 12/31/1988

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to termination.

In determining the number of years of credited service for parts (b) and (c), the total years of credited service from original date of hire to termination cannot exceed 35 years.

- Hourly \$20 multiplied by the participant's years of credited service

Monthly preretirement death benefit 50% of the monthly pension benefit as of the date of death, reduced for the 50% joint and survivor election and reduced for payment as early as the participant's 55th birthday

Eligibility for Benefits

Normal retirement Retirement on NRD

Early retirement Retirement before NRD and on or after attaining the eligibilities below.

- Salaried Earlier of:
 - i) Age 55 and 10 years of Vesting Service
 - ii) Age 60
 - iii) 20 years of Vesting Service

- Hourly Age 55 and 10 years of Vesting Service

Postponed retirement Retirement after NRD

Deferred vested termination Termination for reasons other than death or retirement

Disability Permanent and total disability prior to NRD, and participant is receiving a Social Security disability benefit

Preretirement death benefit Death while eligible for normal, early, postponed, or deferred vested retirement benefits, with a surviving spouse

Benefits Paid Upon the Following Events

Normal retirement The monthly pension benefit determined as of NRD

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Early retirement

The monthly pension benefit determined as of the early retirement date, multiplied by the appropriate factor from the following table based on the participant's age at retirement:

Age	Hourly	Salaried
55	58%	63%
56	64%	69%
57	70%	75%
58	76%	80%
59	82%	85%
60	88%	90%
61	94%	95%
62	100%	100%
63	100%	100%
64	100%	100%
65	100%	100%

Postponed retirement

The monthly pension benefit determined as of the actual retirement date

Deferred vested termination

The monthly pension benefit payable at the participant's NRD; the benefit payable at an Early Retirement date is multiplied by the appropriate factor (different than the normal early retirement factors) and reduced from age 65.

Disablement

No special provisions

Preretirement death

The monthly preretirement death benefit payable on behalf of an active employee is reduced as for early retirement.

Other Plan Provisions

Forms of payment

Preretirement death benefits are payable only as described above. Monthly pension benefits are paid as described above as a life annuity, if the participant has no spouse as of the date payments begin, or if the participant so elects. Otherwise, benefits are paid in the form of a 50% joint and survivor annuity option or, if the participant elects and the spouse consents, another actuarially equivalent optional form offered by the plan. Optional forms are a 100%, 75%, or 50% joint and survivor annuity, or (for married participants) a life annuity. Actuarial equivalence is based on the table found in the plan document.

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Pension increases None

Plan participants' contributions They are not required or permitted.

Maximum limits 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 take effect. Increases in the dollar limits are not assumed for funding or AFTAP purposes.

Future Plan Changes

No future plan changes were recognized in determining funding requirements. Willis Towers Watson is not aware of any future plan changes which are required to be reflected in this valuation.

Changes in Benefits Valued Since Prior Year

There have been no changes in benefits valued since the prior year.

Plan Name: Woodward FST Employees' Pension Plan
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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 _____ and ending _____

► **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 WOODWARD FST EMPLOYEES' PENSION PLAN	B Three-digit plan number (PN) ► 005
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF WOODWARD, INC.	D Employer Identification Number (EIN) **-***4010

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 01 Day 01 Year 2018

2 Assets:		
a Market value	2a	24,682,896
b Actuarial value	2b	22,799,155

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	187	15,662,156	15,662,156
b For terminated vested participants	36	1,213,516	1,213,516
c For active participants	107	4,875,686	4,926,013
d Total	330	21,751,358	21,801,685

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	5.58%
6 Target normal cost	6	262000

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	 Signature of actuary CARL CRUZAN Type or print name of actuary WILLIS TOWERS WATSON US LLC Firm name 101 SOUTH HANLEY ROAD SUITE 900 ST. LOUIS MO 63105-3437	10/09/2019 Date 17-07108 Most recent enrollment number 314-719-5900 Telephone number (including area code)
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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 Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	1,004,895	
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	269,203	
9 Amount remaining (line 7 minus line 8)	735,692	
10 Interest on line 9 using prior year's actual return of 18.27 %	134,411	
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		
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 5.80 %		0
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		
c Total available at beginning of current plan year to add to prefunding balance		
d Portion of (c) to be added to prefunding balance		
12 Other reductions in balances due to elections or deemed elections		
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	870,103	

Part III Funding Percentages

14 Funding target attainment percentage	14	100.58 %
15 Adjusted funding target attainment percentage	15	104.57 %
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	104.85 %
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
Totals ▶			18(b)		18(c)

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	
b Contributions made to avoid restrictions adjusted to valuation date	19b	
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	0

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 63
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 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
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	262000	
b Excess assets, if applicable, but not greater than line 31a	31b	127367	
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	134633	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	134633		134633
36 Additional cash requirement (line 34 minus line 35)	36	0	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	0	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b		
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, Part V Statement of Actuarial Assumptions/Methods

Economic Assumptions

Interest rate basis

- Applicable month September
- Interest rate basis Segment Rates from Fourth Month Preceding Valuation Date

Interest rates

Reflecting Stabilization

Not Reflecting Stabilization

- First segment rate 3.92% 1.75%
- Second segment rate 5.52% 3.76%
- Third segment rate 6.29% 4.66%
- Effective interest rate 5.58% 3.89%

Annual rates of increase

- Compensation Not applicable: Plan is frozen
- Future Social Security wage bases Not applicable: Plan is frozen
- Statutory limits on compensation Not applicable: Plan is frozen

Plan-related expenses \$262,000

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.

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Mortality

■ Funding

For all participants: 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).

Termination

The rates at which participants are assumed to leave the Company by age and employment type are shown below:

Attained Age	Salaried	Hourly
20	20.0%	14.9%
25	17.5%	9.9%
30	16.0%	6.9%
35	14.5%	4.9%
40	13.0%	2.8%
45	11.5%	1.6%
50	9.0%	0.4%
55	7.0%	0.4%

Disability

None assumed

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SCHEDULE SB ATTACHMENTS

Retirement

For purposes of determining the Funding Target and Target Normal Cost (both disregarding at-risk assumptions), the rates at which participants retire by age and employment type are shown below:

Percentage retiring during the year		
Age	Salaried	Hourly
55	7%	3%
56	7%	3%
57	7%	3%
58	7%	3%
59	7%	3%
60	15%	10%
61	15%	10%
62	20%	10%
63	20%	10%
64	20%	10%
65	20%	10%
66	20%	25%
67	20%	25%
68	20%	25%
69	20%	25%
70	100%	100%

Benefit commencement date:

- Preretirement death benefit
The later of the death of the active participant or the date the participant would have attained age 55
- Deferred vested benefit
The later of age 65 or termination of employment
- Retirement benefit
Upon termination of employment

Form of payment

Participants are assumed to elect a single life annuity. The normal form of payment for married participants is an actuarially equivalent 50% Joint and Survivor Annuity.

Percent married

80% of males; 80% of females. Used to value pre-retirement surviving spouse benefits.

Spouse age

Male spouses three years older than female spouses

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Covered pay	Not applicable due to frozen status of plan
Timing of benefit payments	Annuity payments are payable monthly at the beginning of the month and lump sum payments are payable on date of decrement.

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	<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 based on discussions with Woodward, Inc. regarding the likelihood that these benefits will be paid. Willis Towers Watson has reviewed the plan provisions with Woodward, Inc. and, based on that review, is not aware of any significant benefits required to be valued that were not.

The plan pays small benefits with a present value up to \$5,000 in a single lump sum payment. Such lump sums are not explicitly valued; rather such participants' benefits are valued using the benefit choice assumptions described above.

Sources of Data and Other Information

The plan sponsor, through its third party administrator Milliman, furnished participant data as of 1/1/2018. Information on assets, contributions, and plan provisions was supplied by the plan sponsor. Data and other information were reviewed for reasonableness and consistency, but no audit was performed. Based on discussions with the plan sponsor, assumptions or estimates were made when data were not available, and the data was adjusted to reflect any significant events that occurred between the date the data was collected and the measurement date. No data adjustments were made and we are unaware of any adjustments made by the data provider.

We are not aware of any errors or omissions in the data that would have a significant effect on the results of our calculations.

Assumptions Rationale – Significant Economic Assumptions

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.

Plan-related expenses

As required by regulations, plan-related expenses are calculated by estimating the expenses to be paid from the trust during the coming year (including, for example, actuarial, accounting, legal, administration, and trustee fees to be paid from the trust). Expenses are estimated by determining the actual expenses paid from the trust the preceding year, rounded to the nearest \$1,000.

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Assumed return for asset smoothing The assumed return of 6.48% (for 2017) used for asset smoothing is the third segment rate. Although we have not explicitly determined an expected return on assets, based on an analysis of the plan sponsor's investment policy we believe the rate to be above the third segment rate.

Assumptions Rationale – Significant Demographic Assumptions

Mortality

■ Funding 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.

Termination Termination rates were based on an experience study conducted in 2017, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.

Retirement Retirement rates were based on an experience study conducted in 2017, with annual consideration of whether any conditions have changed that would be expected to produce different results in the future.

Prescribed Methods

Funding methods The methods used for funding purposes, 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.

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Changes in Assumptions and Methods

Change in assumptions and methods since prior valuation

The segment interest rates used to calculate the funding target and target normal cost were updated to the current valuation date as required by IRC §430.

The mortality table used to calculate the funding target and target normal cost was updated to include one additional year of projected mortality improvement, as required by IRC §430.

Assumed rates of retirement and rates of termination were updated to better reflect anticipated future experience.

The assumed plan-related expenses added to the target normal cost were changed from \$315,000 for the prior valuation to \$262,000 for the current valuation to account for lower expected expenses to be paid from the trust.

The decrement timing assumption was changed from beginning of year decrements to the rounded middle of year decrement timing model.

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Valuation Date	January 1, 2018

WOOD005FST Woodward, Inc.

36-1984010

FYE: 12/31/2018

Federal Statements

Woodward FST Employees' Pension Plan Plan: 005

Plan transactions in excess of 5% of plan assets

Name								
	Description	Purchase Price	Selling Price	Lease Rental	Expenses	Cost of Asset	Current Value	Net Gain or Loss
THE VANGUARD GROUP								
FEDERAL MONEY MARKET FUND		\$ 1391722	\$	\$	\$	\$ 1391722	\$ 1391722	\$
THE VANGUARD GROUP								
FEDERAL MONEY MARKET FUND			1629726			1629726	1629726	

WOOD005FST Woodward, Inc.

36-1984010

FYE: 12/31/2018

Federal Statements

Woodward FST Employees' Pension Plan Plan: 005

Assets Held for Investment

<u>Party in Interest</u>	<u>Identity</u>	<u>Description</u>	<u>Cost</u>	<u>Current Value</u>
X	THE VANGUARD GROUP	CASH ACCOUNT	\$ 128,942	\$ 128,942
X	THE VANGUARD GROUP	FEDERAL MM	5,309	5,309
X	THE VANGUARD GROUP	LT INV-GRADE FD ADM	13,468,387	13,511,027
X	THE VANGUARD GROUP	INTL GROWTH FUND ADM	2,096,895	2,832,348
X	THE VANGUARD GROUP	TOTAL STOCK MKT FUND	2,378,843	5,050,511