

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 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</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)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II Basic Plan Information —enter all requested information		
1a Name of plan <u>NOVANTA CORPORATION 401(K) PLAN</u>	1b Three-digit plan number (PN) ▶	<u>001</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, and ZIP or foreign postal code (if foreign, see instructions) <u>NOVANTA CORPORATION</u> <u>125 MIDDLESEX TURNPIKE</u> <u>BEDFORD, MA 01730</u>	1c Effective date of plan <u>03/01/1984</u>	2b Employer Identification Number (EIN) <u>38-1859358</u>
	2c Plan Sponsor's telephone number <u>781-266-5700</u>	2d Business code (see instructions) <u>333200</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.	10/12/2023	CHARLENE BOZZI
	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 (2022)
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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 1610
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) 891
a(2) Total number of active participants at the end of the plan year		6a(2) 945
b Retired or separated participants receiving benefits		6b 22
c Other retired or separated participants entitled to future benefits.....		6c 730
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 1697
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 1
f Total. Add lines 6d and 6e		6f 1698
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 1660
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 Characteristics Codes in the instructions: 2F 2G 2J 2K 2S 2T 3D 3H 2E		
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)		9b Plan benefit arrangement (check all that apply)
(1) ☐ Insurance	(1) ☐ Insurance	
(2) ☐ Code section 412(e)(3) insurance contracts	(2) ☐ Code section 412(e)(3) insurance contracts	
(3) ☒ Trust	(3) ☒ Trust	
(4) ☐ General assets of the sponsor	(4) ☐ General assets of the sponsor	
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		b General Schedules
(1) ☒ R (Retirement Plan Information)	(1) ☒ H (Financial Information)	
(2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary	(2) ☐ I (Financial Information – Small Plan)	
(3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	(3) ☐ 0 A (Insurance Information)	
	(4) ☒ C (Service Provider Information)	
	(5) ☒ D (DFE/Participating Plan Information)	
	(6) ☐ G (Financial Transaction Schedules)	

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 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 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
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan NOVANTA CORPORATION 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 NOVANTA CORPORATION	D Employer Identification Number (EIN) 38-1859358	

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
FIDELITY INVESTMENTS INSTITUTIONAL
04-2647786

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

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

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04-2647786

(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?
37 50 50 60 64 65	RECORDKEEPER	117005	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

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

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

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

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

Part I Service Provider Information (continued)

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

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
FIDELITY INVESTMENTS INSTITUTIONAL	60	0
(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.	
LOOMIS SM CP GRTH IS - DST ASSET M 430 W 7TH STREET STE 219432 KANSAS CITY, MO 64105	0.15%	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

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

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

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

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:

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

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan 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 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan NOVANTA CORPORATION 401(K) PLAN	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 NOVANTA CORPORATION	D Employer Identification Number (EIN) 38-1859358	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE:	GALLIARD STBLE RTN C
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b Name of sponsor of entity listed in (a):	WELLS FARGO BANK, N.A.
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c EIN-PN 52-2250946-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 15079255
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a Name of MTIA, CCT, PSA, or 103-12 IE:	
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b Name of sponsor of entity listed in (a):	
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c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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a Name of MTIA, CCT, PSA, or 103-12 IE:	
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b Name of sponsor of entity listed in (a):	
--	--

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

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

b Name of sponsor of entity listed in (a):	
--	--

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

b Name of sponsor of entity listed in (a):	
--	--

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

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

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

a Name of MTIA, CCT, PSA, or 103-12 IE:

b Name of sponsor of entity listed in (a):

c EIN-PN

d Entity
code

e Dollar value of interest in MTIA, CCT, PSA, or
103-12 IE at end of year (see instructions)

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

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

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

SCHEDULE H (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Financial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA), and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>		
A Name of plan <u>NOVANTA CORPORATION 401(K) PLAN</u>		B Three-digit plan number (PN) <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>NOVANTA CORPORATION</u>		D Employer Identification Number (EIN) <u>38-1859358</u>

Part I Asset and Liability Statement			
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	0	0
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	144093	251639
(2) Participant contributions.....	1b(2)	0	0
(3) Other.....	1b(3)	0	0
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit).....	1c(1)	0	0
(2) U.S. Government securities	1c(2)	0	0
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)	0	0
(B) All other	1c(3)(B)	0	0
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)	0	0
(B) Common.....	1c(4)(B)	0	0
(5) Partnership/joint venture interests	1c(5)	0	0
(6) Real estate (other than employer real property)	1c(6)	0	0
(7) Loans (other than to participants).....	1c(7)	0	0
(8) Participant loans.....	1c(8)	1382165	1502829
(9) Value of interest in common/collective trusts.....	1c(9)	13921526	15079255
(10) Value of interest in pooled separate accounts	1c(10)	0	0
(11) Value of interest in master trust investment accounts.....	1c(11)	0	0
(12) Value of interest in 103-12 investment entities	1c(12)	0	0
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)	148058904	122238528
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)	0	0
(15) Other	1c(15)	0	0

1d Employer-related investments:

		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)	0	0
(2) Employer real property	1d(2)	0	0
e Buildings and other property used in plan operation	1e	0	0
f Total assets (add all amounts in lines 1a through 1e)	1f	163506688	139072251

Liabilities

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

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	163506688	139072251
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Part II Income and Expense Statement

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

Income**a Contributions:**

		(a) Amount	(b) Total
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	4516924	
(B) Participants	2a(1)(B)	8568128	
(C) Others (including rollovers)	2a(1)(C)	2544388	
(2) Noncash contributions	2a(2)	0	15629440
(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)	0	
(B) U.S. Government securities	2b(1)(B)	0	
(C) Corporate debt instruments	2b(1)(C)	0	
(D) Loans (other than to participants)	2b(1)(D)	0	
(E) Participant loans	2b(1)(E)	69616	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		69616

(2) Dividends: (A) Preferred stock	2b(2)(A)	0	
(B) Common stock	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	3592478	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		3592478

(3) Rents	2b(3)		0
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(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions)	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0

(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	0	
(B) Other	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		272130
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		0
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		-33292364
c Other income	2c		0
d Total income. Add all income amounts in column (b) and enter total	2d		-13728700
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	10587261	
(2) To insurance carriers for the provision of benefits	2e(2)	0	
(3) Other	2e(3)	0	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		10587261
f Corrective distributions (see instructions)	2f		1397
g Certain deemed distributions of participant loans (see instructions)	2g		0
h Interest expense	2h		0
i Administrative expenses: (1) Professional fees	2i(1)	0	
(2) Contract administrator fees	2i(2)	0	
(3) Investment advisory and management fees	2i(3)	0	
(4) Other	2i(4)	117005	
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		117005
j Total expenses. Add all expense amounts in column (b) and enter total	2j		10705663
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		-24434363
l Transfers of assets:			
(1) To this plan	2l(1)		0
(2) From this plan	2l(2)		74

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) ☒ Unmodified (2) ☐ Qualified (3) ☐ Disclaimer (4) ☐ Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) ☒ DOL Regulation 2520.103-8 (2) ☐ DOL Regulation 2520.103-12(d) (3) ☐ neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

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

(1) Name: **PLANTE & MORAN, PLLC**

(2) EIN: **38-1357951**

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.)

	Yes	No	Amount
4a	X		1294

	Yes	No	Amount
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.)			
4b		X	
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?	X		2000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
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.)	X		
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)
NOVANTA ATI 401(K) PLAN	38-1859358	002

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) ☐ Yes ☐ No ☐ Not determined

If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

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 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan NOVANTA CORPORATION 401(K) PLAN		B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 NOVANTA CORPORATION		D Employer Identification Number (EIN) 38-1859358
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 0
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): 04-6568107		
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
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) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (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 deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:	14a	
a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: ☐ last contributing employer ☐ alternative ☐ reasonable approximation (see instructions for required attachment).....	14b	
b The plan year immediately preceding the current plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)	14c	
c The second preceding plan year. ☐ Check the box if the number reported is a change from what was previously reported (see instructions for required attachment)		
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.....	15a	
b The corresponding number for the second preceding plan year.....	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	16a	
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.....	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): _____

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:

☐ Yes.

☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.

☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.

☐ No. Other. Provide explanation _____

Novanta Corporation 401(k) Plan

Financial Report
December 31, 2022

Novanta Corporation 401(k) Plan

Contents

Independent Auditor's Report	1-3
Statement of Net Assets Available for Benefits	4
Statement of Changes in Net Assets Available for Benefits	5
Notes to Financial Statements	6-9
Schedule of Assets Held at End of Year	Schedule 1
Schedule of Delinquent Participant Contributions	Schedule 2

Independent Auditor's Report

To the Plan Administrator
Novanta Corporation 401(k) Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audits

We have performed audits of the financial statements of Novanta Corporation 401(k) Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2022 and 2021 and the related statement of changes in net assets available for benefits for the year ended December 31, 2022 and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from a qualified institution as of December 31, 2022 and 2021 and for the year ended December 31, 2022 stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditor's Responsibilities for the Audits of the Financial Statements* section:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (GAAP).
- The information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audits of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

To the Plan Administrator
Novanta Corporation 401(k) Plan

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP and for 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. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern within one year after the date that the financial statements are issued or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments; administering the Plan; and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or that may become due to such participants.

Auditor's Responsibilities for the Audits of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audits* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that audits conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing audits in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audits.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audits in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of the ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

To the Plan Administrator
Novanta Corporation 401(k) Plan

Supplemental Schedules Required by ERISA

The supplemental schedules of assets held at end of year as of December 31, 2022 and delinquent participant contributions for the year ended December 31, 2022 are presented for the purpose of additional analysis and are not a required part of the financial statements but are supplemental information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedules related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Plante & Moreau, PLLC

Clinton Township, Michigan
September 6, 2023

Novanta Corporation 401(k) Plan

Statement of Net Assets Available for Benefits

	December 31, 2022 and 2021	
	2022	2021
Assets		
Participant-directed investments at fair value:		
Mutual funds	\$ 122,238,528	\$ 148,058,904
Common/collective trust fund	15,079,255	13,921,526
Total participant-directed investments at fair value	137,317,783	161,980,430
Contributions receivable	251,639	144,093
Participant notes receivable	1,502,829	1,382,165
Net Assets Available for Benefits	\$ 139,072,251	\$ 163,506,688

Novanta Corporation 401(k) Plan

Statement of Changes in Net Assets Available for Benefits

Year Ended December 31, 2022

Additions

Contributions:

Employee	\$ 8,568,128
Employer	4,516,924
Rollovers	<u>2,544,388</u>

Total contributions 15,629,440

Investment income (loss):

Interest and dividends	3,591,948
Net realized and unrealized losses on investments	<u>(33,019,704)</u>

Total investment loss (29,427,756)

Interest from participant notes receivable 69,616

Total additions - Net (13,728,700)

Deductions

Benefits paid directly to participants or beneficiaries	10,588,658
Administrative expenses	<u>117,005</u>

Total deductions 10,705,663

Net Decrease before Other Changes (24,434,363)

Transfers Out (74)

Net Decrease (24,434,437)

Net Assets Available for Benefits

Beginning of year 163,506,688

End of year \$ 139,072,251

December 31, 2022 and 2021

Note 1 - Plan Description

The following description of Novanta Corporation 401(k) Plan (the "Plan") provides only general information. Participants should refer to the plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution plan covering substantially all employees of Novanta Corporation and subsidiaries (collectively, the "Company"). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Contributions

The Plan provides for employee salary deferral contributions up to a maximum of 75 percent of annual compensation subject to maximum tax-deferred limitations established by the Internal Revenue Code (the "Code"). Eligible employees not enrolling in the Plan within 45 days and active participants without a deferral election on file are automatically enrolled in the Plan at a pretax contribution amount of 3 percent of eligible compensation. All participants with a deferral rate greater than 0 percent are subject to automatic deferral increases at a rate of 1 percent annually until a deferral rate of 6 percent is reached. Participants may also make contributions to the Plan in the form of a rollover of funds from another qualified plan.

Certain participant contributions in 2021 were paid after the time frame required by the Department of Labor. The Company remitted these contributions and related lost earnings to the Plan in 2022.

The Plan provides for employer matching contributions of 100 percent of the first 4 percent of the employee's deferred compensation and 50 percent of the participant's contribution, not to exceed the next 2 percent of the employee's deferred compensation.

The Plan allows for employer discretionary contributions. There were no employer discretionary contributions for 2022.

Vesting

Participants' contributions, the employer match contribution, and the employer discretionary contributions and related earnings are fully vested at all times and are not subject to forfeiture for any reason.

Participant Accounts

Each participant's account is credited with the participant's contributions and allocations of the Company's contributions and plan earnings (losses) and charged with an allocation of administrative expenses. Allocations are based on participants' compensation, deferrals, or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account. Participants may direct the investments of their account balances into various investment options offered by the Plan.

Benefit Payments

Upon termination of employment, retirement, or disability, the participant or, in the case of death, the surviving spouse, can elect to receive the participant's account balance in a single lump sum or in various installment annuities. A participant who experiences a financial hardship is eligible to receive a distribution from his or her plan account at any age subject to plan provisions and the regulations of the Code.

Participant Notes Receivable

Participants may borrow from their accounts subject to certain maximum and minimum amounts prescribed in the Plan and in the Code. Notes receivable are collateralized by the participant's account balance and bear interest at a market rate.

December 31, 2022 and 2021

Note 1 - Plan Description (Continued)

Termination

While it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in the plan agreement and ERISA.

Note 2 - Summary of Significant Accounting Policies

Basis of Accounting

The Plan's financial statements are prepared under the accrual basis of accounting.

Investment Valuation

The Plan's investments are stated at fair value.

The common/collective trust fund is valued at net asset value per share (NAV) or its equivalent of the fund, which is based on the fair value of the fund's underlying net assets. There are no redemption restrictions or unfunded commitments on these investments. All other investments are valued based on quoted market prices reported in active markets. See Note 4 for additional information.

Participant Notes Receivable

Participant notes receivable are recorded at their unpaid principal balances plus any accrued interest. Participant notes receivable are written off when deemed uncollectible.

Benefit Payments

Benefits are recorded when paid.

Related Party Transactions

Certain plan investments are shares of mutual funds managed by Fidelity Management Trust Company (Fidelity). Fidelity is the trustee, as defined by the Plan; therefore, these transactions qualify as party-in-interest transactions. There were administrative expenses paid to Fidelity during the year. These transactions, as well as participant notes receivable, also qualify as party-in-interest transactions.

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 amounts and disclosures at the date of the financial statements and during the reporting period. Accordingly, actual results may differ from those estimates.

Administrative Expenses

Various administrative costs are paid by the Company. These transactions qualify as party-in-interest transactions.

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 participants' account balances and the amounts reported in the financial statements.

December 31, 2022 and 2021

Note 2 - Summary of Significant Accounting Policies (Continued)

Subsequent Events

The financial statements and related disclosures include evaluation of events up through and including September 6, 2023, which is the date the financial statements were available to be issued.

Note 3 - Certified Information

Fidelity holds the Plan's investments and participant notes receivable and executes all related transactions. The investment and participant notes receivable balances and related income and losses included in the accompanying financial statements and supplemental schedule of assets held at end of year are based solely on information provided by Fidelity.

Note 4 - Fair Value Measurements

Accounting standards require certain assets and liabilities be reported at fair value in the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the valuation techniques and inputs used to measure fair value.

Level 1

Fair values determined by Level 1 inputs use quoted prices in active markets for identical assets that the Plan has the ability to access.

Level 2

Fair values determined by Level 2 inputs use other inputs that are observable, either directly or indirectly. These Level 2 inputs include quoted prices for similar assets in active markets, quoted prices for identical or similar assets in markets that are not active, and inputs other than quoted prices that are observable for the asset.

Level 3

Level 3 inputs are unobservable inputs, including inputs that are available in situations where there is little, if any, market activity for the related asset.

In instances where inputs used to measure fair value fall into different levels of the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Plan's assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset.

The following tables present information about the Plan's assets measured at fair value on a recurring basis at December 31, 2022 and 2021:

Assets Measured at Fair Value on a Recurring Basis at December 31, 2022	
Investments (at Fair Value)	Level 1
Mutual funds	\$ 122,238,528
Investment measured at NAV - Common/collective trust fund	\$ 15,079,255
Total investments	\$ 137,317,783

December 31, 2022 and 2021**Note 4 - Fair Value Measurements (Continued)**

	Assets Measured at Fair Value on a Recurring Basis at December 31, 2021	
	Investments (at Fair Value)	Level 1
Mutual funds	\$ 148,058,904	\$ 148,058,904
Investment measured at NAV - Common/collective trust fund	<u>13,921,526</u>	
Total investments at fair value	<u>\$ 161,980,430</u>	

Note 5 - Tax Status

The Plan uses a preapproved plan. The preapproved plan has received a favorable opinion letter from the Internal Revenue Service (IRS) indicating that the Plan, as designed, is qualified for federal income tax-exempt status. The Plan has not individually sought its own determination letter.

Novanta Corporation 401(k) Plan

Schedule of Assets Held at End of Year

Form 5500, Schedule H, Line 4i
 EIN 38-1859358, Plan No. 001
 December 31, 2022

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
	Mutual funds:		
Fidelity	Invesco Discovery Fund Class R6	*	\$ 3,424,623
	Vanguard Target Retirement Income Fund	*	1,815,718
	Loomis Core Plus Bond Fund	*	3,906,261
	Vanguard Institutional Index Fund	*	11,982,354
	Vanguard Total Bond Market Fund	*	1,642,279
	American Funds Inflation Linked Bond Fund R-6	*	278,851
	MassMutual High Yield Fund Class I	*	854,576
	Vanguard International Growth Fund Admiral	*	2,812,226
	MFS Emerging Markets Debt Fund Class R6	*	44,989
	Fidelity International Index Fund Premium Class	*	2,840,828
	Vanguard Target Retirement 2020 Fund	*	3,793,300
	Vanguard Target Retirement 2025 Fund	*	6,958,792
	Vanguard Target Retirement 2030 Fund	*	9,695,952
	Vanguard Target Retirement 2035 Fund	*	9,920,165
	Vanguard Target Retirement 2040 Fund	*	7,544,050
	Vanguard Target Retirement 2045 Fund	*	5,021,985
	Vanguard Target Retirement 2050 Fund	*	2,623,906
	Vanguard Target Retirement 2055 Fund	*	2,720,941
	Vanguard Target Retirement 2060 Fund	*	1,167,307
	Vanguard Target Retirement 2065 Fund	*	109,313
	Vanguard Target Retirement 2070 Fund	*	2,192
	American Century Emerging Markets Fund R6 Class	*	1,891,178
	PGIM Global Total Return Fund R6 Class	*	352,140
	JPMorgan Mid-Cap Growth Fund R6 Class	*	4,456,175
	Vanguard Small-Cap Index Fund	*	4,404,174
	Fidelity International Enhanced Index Fund	*	121,064
	Vanguard Mid-Cap Value Index Admiral Fund	*	2,782,639
	Fidelity Mid-Cap Index Fund	*	3,655,239
	Vanguard Value Index Fund Institutional	*	6,819,171
	Vanguard Real Estate Index Admiral Fund	*	583,656
	Vanguard Growth Index Institutional Fund	*	18,012,484
Fidelity	Common/collective trust fund - Galliard Stable Return Fund	*	15,079,255
Participants	Participant notes receivable with interest rates ranging from 4.25 to 7.25 percent	-	1,502,829
	Total		\$ 138,820,612

*Cost information not required

Novanta Corporation 401(k) Plan

Schedule of Delinquent Participant Contributions

Form 5500, Schedule H, Line 4a
EIN 38-1859358, Plan No. 001
Year Ended December 31, 2022

Participant Contributions Transferred Late to the Plan	Total that Constitutes Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP
Check Here if Late Participant Loan Repayments are Included:	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	

2021

☐

\$

-

\$

1,294 \$

-

\$

-

Novanta Corporation 401(k) Plan

Financial Report
December 31, 2022

Novanta Corporation 401(k) Plan

Contents

Independent Auditor's Report	1-3
Statement of Net Assets Available for Benefits	4
Statement of Changes in Net Assets Available for Benefits	5
Notes to Financial Statements	6-9
Schedule of Assets Held at End of Year	Schedule 1
Schedule of Delinquent Participant Contributions	Schedule 2

Independent Auditor's Report

To the Plan Administrator
Novanta Corporation 401(k) Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audits

We have performed audits of the financial statements of Novanta Corporation 401(k) Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2022 and 2021 and the related statement of changes in net assets available for benefits for the year ended December 31, 2022 and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from a qualified institution as of December 31, 2022 and 2021 and for the year ended December 31, 2022 stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditor's Responsibilities for the Audits of the Financial Statements* section:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (GAAP).
- The information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audits of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

To the Plan Administrator
Novanta Corporation 401(k) Plan

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP and for 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. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern within one year after the date that the financial statements are issued or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments; administering the Plan; and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or that may become due to such participants.

Auditor's Responsibilities for the Audits of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audits* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that audits conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing audits in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audits.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audits in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of the ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

To the Plan Administrator
Novanta Corporation 401(k) Plan

Supplemental Schedules Required by ERISA

The supplemental schedules of assets held at end of year as of December 31, 2022 and delinquent participant contributions for the year ended December 31, 2022 are presented for the purpose of additional analysis and are not a required part of the financial statements but are supplemental information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedules related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Plante & Moreau, PLLC

Clinton Township, Michigan
September 6, 2023

Novanta Corporation 401(k) Plan

Statement of Net Assets Available for Benefits

	December 31, 2022 and 2021	
	2022	2021
Assets		
Participant-directed investments at fair value:		
Mutual funds	\$ 122,238,528	\$ 148,058,904
Common/collective trust fund	15,079,255	13,921,526
Total participant-directed investments at fair value	137,317,783	161,980,430
Contributions receivable	251,639	144,093
Participant notes receivable	1,502,829	1,382,165
Net Assets Available for Benefits	\$ 139,072,251	\$ 163,506,688

Novanta Corporation 401(k) Plan

Statement of Changes in Net Assets Available for Benefits

Year Ended December 31, 2022

Additions

Contributions:

Employee	\$ 8,568,128
Employer	4,516,924
Rollovers	<u>2,544,388</u>

Total contributions 15,629,440

Investment income (loss):

Interest and dividends	3,591,948
Net realized and unrealized losses on investments	<u>(33,019,704)</u>

Total investment loss (29,427,756)

Interest from participant notes receivable 69,616

Total additions - Net (13,728,700)

Deductions

Benefits paid directly to participants or beneficiaries	10,588,658
Administrative expenses	<u>117,005</u>

Total deductions 10,705,663

Net Decrease before Other Changes (24,434,363)

Transfers Out (74)

Net Decrease (24,434,437)

Net Assets Available for Benefits

Beginning of year 163,506,688

End of year \$ 139,072,251

December 31, 2022 and 2021

Note 1 - Plan Description

The following description of Novanta Corporation 401(k) Plan (the "Plan") provides only general information. Participants should refer to the plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution plan covering substantially all employees of Novanta Corporation and subsidiaries (collectively, the "Company"). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Contributions

The Plan provides for employee salary deferral contributions up to a maximum of 75 percent of annual compensation subject to maximum tax-deferred limitations established by the Internal Revenue Code (the "Code"). Eligible employees not enrolling in the Plan within 45 days and active participants without a deferral election on file are automatically enrolled in the Plan at a pretax contribution amount of 3 percent of eligible compensation. All participants with a deferral rate greater than 0 percent are subject to automatic deferral increases at a rate of 1 percent annually until a deferral rate of 6 percent is reached. Participants may also make contributions to the Plan in the form of a rollover of funds from another qualified plan.

Certain participant contributions in 2021 were paid after the time frame required by the Department of Labor. The Company remitted these contributions and related lost earnings to the Plan in 2022.

The Plan provides for employer matching contributions of 100 percent of the first 4 percent of the employee's deferred compensation and 50 percent of the participant's contribution, not to exceed the next 2 percent of the employee's deferred compensation.

The Plan allows for employer discretionary contributions. There were no employer discretionary contributions for 2022.

Vesting

Participants' contributions, the employer match contribution, and the employer discretionary contributions and related earnings are fully vested at all times and are not subject to forfeiture for any reason.

Participant Accounts

Each participant's account is credited with the participant's contributions and allocations of the Company's contributions and plan earnings (losses) and charged with an allocation of administrative expenses. Allocations are based on participants' compensation, deferrals, or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account. Participants may direct the investments of their account balances into various investment options offered by the Plan.

Benefit Payments

Upon termination of employment, retirement, or disability, the participant or, in the case of death, the surviving spouse, can elect to receive the participant's account balance in a single lump sum or in various installment annuities. A participant who experiences a financial hardship is eligible to receive a distribution from his or her plan account at any age subject to plan provisions and the regulations of the Code.

Participant Notes Receivable

Participants may borrow from their accounts subject to certain maximum and minimum amounts prescribed in the Plan and in the Code. Notes receivable are collateralized by the participant's account balance and bear interest at a market rate.

December 31, 2022 and 2021

Note 1 - Plan Description (Continued)

Termination

While it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in the plan agreement and ERISA.

Note 2 - Summary of Significant Accounting Policies

Basis of Accounting

The Plan's financial statements are prepared under the accrual basis of accounting.

Investment Valuation

The Plan's investments are stated at fair value.

The common/collective trust fund is valued at net asset value per share (NAV) or its equivalent of the fund, which is based on the fair value of the fund's underlying net assets. There are no redemption restrictions or unfunded commitments on these investments. All other investments are valued based on quoted market prices reported in active markets. See Note 4 for additional information.

Participant Notes Receivable

Participant notes receivable are recorded at their unpaid principal balances plus any accrued interest. Participant notes receivable are written off when deemed uncollectible.

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Benefits are recorded when paid.

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Certain plan investments are shares of mutual funds managed by Fidelity Management Trust Company (Fidelity). Fidelity is the trustee, as defined by the Plan; therefore, these transactions qualify as party-in-interest transactions. There were administrative expenses paid to Fidelity during the year. These transactions, as well as participant notes receivable, also qualify as party-in-interest transactions.

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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 amounts and disclosures at the date of the financial statements and during the reporting period. Accordingly, actual results may differ from those estimates.

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December 31, 2022 and 2021

Note 2 - Summary of Significant Accounting Policies (Continued)

Subsequent Events

The financial statements and related disclosures include evaluation of events up through and including September 6, 2023, which is the date the financial statements were available to be issued.

Note 3 - Certified Information

Fidelity holds the Plan's investments and participant notes receivable and executes all related transactions. The investment and participant notes receivable balances and related income and losses included in the accompanying financial statements and supplemental schedule of assets held at end of year are based solely on information provided by Fidelity.

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Accounting standards require certain assets and liabilities be reported at fair value in the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the valuation techniques and inputs used to measure fair value.

Level 1

Fair values determined by Level 1 inputs use quoted prices in active markets for identical assets that the Plan has the ability to access.

Level 2

Fair values determined by Level 2 inputs use other inputs that are observable, either directly or indirectly. These Level 2 inputs include quoted prices for similar assets in active markets, quoted prices for identical or similar assets in markets that are not active, and inputs other than quoted prices that are observable for the asset.

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Level 3 inputs are unobservable inputs, including inputs that are available in situations where there is little, if any, market activity for the related asset.

In instances where inputs used to measure fair value fall into different levels of the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Plan's assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset.

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Total investments	<u>\$ 137,317,783</u>

December 31, 2022 and 2021**Note 4 - Fair Value Measurements (Continued)**

	Assets Measured at Fair Value on a Recurring Basis at December 31, 2021	
	Investments (at Fair Value)	Level 1
Mutual funds	\$ 148,058,904	\$ 148,058,904
Investment measured at NAV - Common/collective trust fund	<u>13,921,526</u>	
Total investments at fair value	<u>\$ 161,980,430</u>	

Note 5 - Tax Status

The Plan uses a preapproved plan. The preapproved plan has received a favorable opinion letter from the Internal Revenue Service (IRS) indicating that the Plan, as designed, is qualified for federal income tax-exempt status. The Plan has not individually sought its own determination letter.

Novanta Corporation 401(k) Plan

Schedule of Assets Held at End of Year

Form 5500, Schedule H, Line 4i
 EIN 38-1859358, Plan No. 001
 December 31, 2022

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
	Mutual funds:		
Fidelity	Invesco Discovery Fund Class R6	*	\$ 3,424,623
	Vanguard Target Retirement Income Fund	*	1,815,718
	Loomis Core Plus Bond Fund	*	3,906,261
	Vanguard Institutional Index Fund	*	11,982,354
	Vanguard Total Bond Market Fund	*	1,642,279
	American Funds Inflation Linked Bond Fund R-6	*	278,851
	MassMutual High Yield Fund Class I	*	854,576
	Vanguard International Growth Fund Admiral	*	2,812,226
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	Vanguard Target Retirement 2070 Fund	*	2,192
	American Century Emerging Markets Fund R6 Class	*	1,891,178
	PGIM Global Total Return Fund R6 Class	*	352,140
	JPMorgan Mid-Cap Growth Fund R6 Class	*	4,456,175
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	Fidelity Mid-Cap Index Fund	*	3,655,239
	Vanguard Value Index Fund Institutional	*	6,819,171
	Vanguard Real Estate Index Admiral Fund	*	583,656
	Vanguard Growth Index Institutional Fund	*	18,012,484
Fidelity	Common/collective trust fund - Galliard Stable Return Fund	*	15,079,255
Participants	Participant notes receivable with interest rates ranging from 4.25 to 7.25 percent	-	1,502,829
	Total		\$ 138,820,612

*Cost information not required

Novanta Corporation 401(k) Plan

Schedule of Delinquent Participant Contributions

Form 5500, Schedule H, Line 4a
EIN 38-1859358, Plan No. 001
Year Ended December 31, 2022

Participant Contributions Transferred Late to the Plan	Total that Constitutes Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP
Check Here if Late Participant Loan Repayments are Included:	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	

2021	☐	\$ -	\$ 1,294	\$ -	\$ -
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Novanta Corporation 401(k) Plan

Financial Report
December 31, 2022

Novanta Corporation 401(k) Plan

Contents

Independent Auditor's Report	1-3
Statement of Net Assets Available for Benefits	4
Statement of Changes in Net Assets Available for Benefits	5
Notes to Financial Statements	6-9
Schedule of Assets Held at End of Year	Schedule 1
Schedule of Delinquent Participant Contributions	Schedule 2

Independent Auditor's Report

To the Plan Administrator
Novanta Corporation 401(k) Plan

Scope and Nature of the ERISA Section 103(a)(3)(C) Audits

We have performed audits of the financial statements of Novanta Corporation 401(k) Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) (ERISA Section 103(a)(3)(C) audit). The financial statements comprise the statement of net assets available for benefits as of December 31, 2022 and 2021 and the related statement of changes in net assets available for benefits for the year ended December 31, 2022 and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of the Plan's financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from a qualified institution as of December 31, 2022 and 2021 and for the year ended December 31, 2022 stating that the certified investment information, as described in Note 3 to the financial statements, is complete and accurate.

Opinion

In our opinion, based on our audits and on the procedures performed as described in the *Auditor's Responsibilities for the Audits of the Financial Statements* section:

- The amounts and disclosures in the accompanying financial statements, other than those agreed to or derived from the certified investment information, are presented fairly, in all material respects, in accordance with accounting principles generally accepted in the United States of America (GAAP).
- The information in the accompanying financial statements related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America (GAAS). Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audits of the Financial Statements* section of our report. We are required to be independent of the Plan and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

To the Plan Administrator
Novanta Corporation 401(k) Plan

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with GAAP and for 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. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern within one year after the date that the financial statements are issued or available to be issued.

Management is also responsible for maintaining a current plan instrument, including all plan amendments; administering the Plan; and determining that the Plan's transactions that are presented and disclosed in the financial statements are in conformity with the Plan's provisions, including maintaining sufficient records with respect to each of the participants, to determine the benefits due or that may become due to such participants.

Auditor's Responsibilities for the Audits of the Financial Statements

Except as described in the *Scope and Nature of the ERISA Section 103(a)(3)(C) Audits* section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and, therefore, is not a guarantee that audits conducted in accordance with GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing audits in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audits.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audits in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the Plan's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Plan's ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information except for obtaining and reading the certifications, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of GAAP.

Accordingly, the objective of the ERISA Section 103(a)(3)(C) audit is not to express an opinion about whether the financial statements as a whole are presented fairly, in all material respects, in accordance with GAAP.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

To the Plan Administrator
Novanta Corporation 401(k) Plan

Supplemental Schedules Required by ERISA

The supplemental schedules of assets held at end of year as of December 31, 2022 and delinquent participant contributions for the year ended December 31, 2022 are presented for the purpose of additional analysis and are not a required part of the financial statements but are supplemental information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to or derived from the certified investment information, has been subjected to auditing procedures applied in the audit of the financial statements and certain additional procedures, including comparing and reconciling such information directly to the underlying accounting and other records used to prepare the financial statements or to the financial statements themselves, and other additional procedures in accordance with GAAS. For information included in the supplemental schedules that agreed to or is derived from the certified investment information, we compared such information to the related certified investment information.

In forming our opinion on the supplemental schedules, we evaluated whether the supplemental schedules, other than the information agreed to or derived from the certified investment information, including their form and content, are presented in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion:

- The form and content of the supplemental schedules, other than the information in the supplemental schedules that agreed to or is derived from the certified investment information, are presented, in all material respects, in conformity with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.
- The information in the supplemental schedules related to assets held by and certified to by a qualified institution agrees to, or is derived from, in all material respects, the information prepared and certified by an institution that management determined meets the requirements of ERISA Section 103(a)(3)(C).

Plante & Moreau, PLLC

Clinton Township, Michigan
September 6, 2023

Novanta Corporation 401(k) Plan

Statement of Net Assets Available for Benefits

	December 31, 2022 and 2021	
	2022	2021
Assets		
Participant-directed investments at fair value:		
Mutual funds	\$ 122,238,528	\$ 148,058,904
Common/collective trust fund	15,079,255	13,921,526
Total participant-directed investments at fair value	137,317,783	161,980,430
Contributions receivable	251,639	144,093
Participant notes receivable	1,502,829	1,382,165
Net Assets Available for Benefits	\$ 139,072,251	\$ 163,506,688

Novanta Corporation 401(k) Plan

Statement of Changes in Net Assets Available for Benefits

Year Ended December 31, 2022

Additions

Contributions:

Employee	\$ 8,568,128
Employer	4,516,924
Rollovers	<u>2,544,388</u>

Total contributions 15,629,440

Investment income (loss):

Interest and dividends	3,591,948
Net realized and unrealized losses on investments	<u>(33,019,704)</u>

Total investment loss (29,427,756)

Interest from participant notes receivable 69,616

Total additions - Net (13,728,700)

Deductions

Benefits paid directly to participants or beneficiaries	10,588,658
Administrative expenses	<u>117,005</u>

Total deductions 10,705,663

Net Decrease before Other Changes (24,434,363)

Transfers Out (74)

Net Decrease (24,434,437)

Net Assets Available for Benefits

Beginning of year 163,506,688

End of year \$ 139,072,251

December 31, 2022 and 2021

Note 1 - Plan Description

The following description of Novanta Corporation 401(k) Plan (the "Plan") provides only general information. Participants should refer to the plan document for a more complete description of the Plan's provisions.

General

The Plan is a defined contribution plan covering substantially all employees of Novanta Corporation and subsidiaries (collectively, the "Company"). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA).

Contributions

The Plan provides for employee salary deferral contributions up to a maximum of 75 percent of annual compensation subject to maximum tax-deferred limitations established by the Internal Revenue Code (the "Code"). Eligible employees not enrolling in the Plan within 45 days and active participants without a deferral election on file are automatically enrolled in the Plan at a pretax contribution amount of 3 percent of eligible compensation. All participants with a deferral rate greater than 0 percent are subject to automatic deferral increases at a rate of 1 percent annually until a deferral rate of 6 percent is reached. Participants may also make contributions to the Plan in the form of a rollover of funds from another qualified plan.

Certain participant contributions in 2021 were paid after the time frame required by the Department of Labor. The Company remitted these contributions and related lost earnings to the Plan in 2022.

The Plan provides for employer matching contributions of 100 percent of the first 4 percent of the employee's deferred compensation and 50 percent of the participant's contribution, not to exceed the next 2 percent of the employee's deferred compensation.

The Plan allows for employer discretionary contributions. There were no employer discretionary contributions for 2022.

Vesting

Participants' contributions, the employer match contribution, and the employer discretionary contributions and related earnings are fully vested at all times and are not subject to forfeiture for any reason.

Participant Accounts

Each participant's account is credited with the participant's contributions and allocations of the Company's contributions and plan earnings (losses) and charged with an allocation of administrative expenses. Allocations are based on participants' compensation, deferrals, or account balances, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account. Participants may direct the investments of their account balances into various investment options offered by the Plan.

Benefit Payments

Upon termination of employment, retirement, or disability, the participant or, in the case of death, the surviving spouse, can elect to receive the participant's account balance in a single lump sum or in various installment annuities. A participant who experiences a financial hardship is eligible to receive a distribution from his or her plan account at any age subject to plan provisions and the regulations of the Code.

Participant Notes Receivable

Participants may borrow from their accounts subject to certain maximum and minimum amounts prescribed in the Plan and in the Code. Notes receivable are collateralized by the participant's account balance and bear interest at a market rate.

December 31, 2022 and 2021

Note 1 - Plan Description (Continued)

Termination

While it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions set forth in the plan agreement and ERISA.

Note 2 - Summary of Significant Accounting Policies

Basis of Accounting

The Plan's financial statements are prepared under the accrual basis of accounting.

Investment Valuation

The Plan's investments are stated at fair value.

The common/collective trust fund is valued at net asset value per share (NAV) or its equivalent of the fund, which is based on the fair value of the fund's underlying net assets. There are no redemption restrictions or unfunded commitments on these investments. All other investments are valued based on quoted market prices reported in active markets. See Note 4 for additional information.

Participant Notes Receivable

Participant notes receivable are recorded at their unpaid principal balances plus any accrued interest. Participant notes receivable are written off when deemed uncollectible.

Benefit Payments

Benefits are recorded when paid.

Related Party Transactions

Certain plan investments are shares of mutual funds managed by Fidelity Management Trust Company (Fidelity). Fidelity is the trustee, as defined by the Plan; therefore, these transactions qualify as party-in-interest transactions. There were administrative expenses paid to Fidelity during the year. These transactions, as well as participant notes receivable, also qualify as party-in-interest transactions.

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 amounts and disclosures at the date of the financial statements and during the reporting period. Accordingly, actual results may differ from those estimates.

Administrative Expenses

Various administrative costs are paid by the Company. These transactions qualify as party-in-interest transactions.

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 participants' account balances and the amounts reported in the financial statements.

December 31, 2022 and 2021

Note 2 - Summary of Significant Accounting Policies (Continued)

Subsequent Events

The financial statements and related disclosures include evaluation of events up through and including September 6, 2023, which is the date the financial statements were available to be issued.

Note 3 - Certified Information

Fidelity holds the Plan's investments and participant notes receivable and executes all related transactions. The investment and participant notes receivable balances and related income and losses included in the accompanying financial statements and supplemental schedule of assets held at end of year are based solely on information provided by Fidelity.

Note 4 - Fair Value Measurements

Accounting standards require certain assets and liabilities be reported at fair value in the financial statements and provide a framework for establishing that fair value. The framework for determining fair value is based on a hierarchy that prioritizes the valuation techniques and inputs used to measure fair value.

Level 1

Fair values determined by Level 1 inputs use quoted prices in active markets for identical assets that the Plan has the ability to access.

Level 2

Fair values determined by Level 2 inputs use other inputs that are observable, either directly or indirectly. These Level 2 inputs include quoted prices for similar assets in active markets, quoted prices for identical or similar assets in markets that are not active, and inputs other than quoted prices that are observable for the asset.

Level 3

Level 3 inputs are unobservable inputs, including inputs that are available in situations where there is little, if any, market activity for the related asset.

In instances where inputs used to measure fair value fall into different levels of the fair value hierarchy, fair value measurements in their entirety are categorized based on the lowest level input that is significant to the valuation. The Plan's assessment of the significance of particular inputs to these fair value measurements requires judgment and considers factors specific to each asset.

The following tables present information about the Plan's assets measured at fair value on a recurring basis at December 31, 2022 and 2021:

Assets Measured at Fair Value on a Recurring Basis at December 31, 2022	
Investments (at Fair Value)	Level 1
Mutual funds	\$ 122,238,528
Investment measured at NAV - Common/collective trust fund	\$ 15,079,255
Total investments	<u>\$ 137,317,783</u>

December 31, 2022 and 2021**Note 4 - Fair Value Measurements (Continued)**

	Assets Measured at Fair Value on a Recurring Basis at December 31, 2021	
	Investments (at Fair Value)	Level 1
Mutual funds	\$ 148,058,904	\$ 148,058,904
Investment measured at NAV - Common/collective trust fund	<u>13,921,526</u>	
Total investments at fair value	<u>\$ 161,980,430</u>	

Note 5 - Tax Status

The Plan uses a preapproved plan. The preapproved plan has received a favorable opinion letter from the Internal Revenue Service (IRS) indicating that the Plan, as designed, is qualified for federal income tax-exempt status. The Plan has not individually sought its own determination letter.

Novanta Corporation 401(k) Plan

Schedule of Assets Held at End of Year

Form 5500, Schedule H, Line 4i
 EIN 38-1859358, Plan No. 001
 December 31, 2022

(a)(b) Identity of Issuer	(c) Description of Investment	(d) Cost	(e) Current Value
	Mutual funds:		
Fidelity	Invesco Discovery Fund Class R6	*	\$ 3,424,623
	Vanguard Target Retirement Income Fund	*	1,815,718
	Loomis Core Plus Bond Fund	*	3,906,261
	Vanguard Institutional Index Fund	*	11,982,354
	Vanguard Total Bond Market Fund	*	1,642,279
	American Funds Inflation Linked Bond Fund R-6	*	278,851
	MassMutual High Yield Fund Class I	*	854,576
	Vanguard International Growth Fund Admiral	*	2,812,226
	MFS Emerging Markets Debt Fund Class R6	*	44,989
	Fidelity International Index Fund Premium Class	*	2,840,828
	Vanguard Target Retirement 2020 Fund	*	3,793,300
	Vanguard Target Retirement 2025 Fund	*	6,958,792
	Vanguard Target Retirement 2030 Fund	*	9,695,952
	Vanguard Target Retirement 2035 Fund	*	9,920,165
	Vanguard Target Retirement 2040 Fund	*	7,544,050
	Vanguard Target Retirement 2045 Fund	*	5,021,985
	Vanguard Target Retirement 2050 Fund	*	2,623,906
	Vanguard Target Retirement 2055 Fund	*	2,720,941
	Vanguard Target Retirement 2060 Fund	*	1,167,307
	Vanguard Target Retirement 2065 Fund	*	109,313
	Vanguard Target Retirement 2070 Fund	*	2,192
	American Century Emerging Markets Fund R6 Class	*	1,891,178
	PGIM Global Total Return Fund R6 Class	*	352,140
	JPMorgan Mid-Cap Growth Fund R6 Class	*	4,456,175
	Vanguard Small-Cap Index Fund	*	4,404,174
	Fidelity International Enhanced Index Fund	*	121,064
	Vanguard Mid-Cap Value Index Admiral Fund	*	2,782,639
	Fidelity Mid-Cap Index Fund	*	3,655,239
	Vanguard Value Index Fund Institutional	*	6,819,171
	Vanguard Real Estate Index Admiral Fund	*	583,656
	Vanguard Growth Index Institutional Fund	*	18,012,484
Fidelity	Common/collective trust fund - Galliard Stable Return Fund	*	15,079,255
Participants	Participant notes receivable with interest rates ranging from 4.25 to 7.25 percent	-	1,502,829
	Total		\$ 138,820,612

*Cost information not required

Novanta Corporation 401(k) Plan

Schedule of Delinquent Participant Contributions

Form 5500, Schedule H, Line 4a
EIN 38-1859358, Plan No. 001
Year Ended December 31, 2022

Participant Contributions Transferred Late to the Plan	Total that Constitutes Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP
Check Here if Late Participant Loan Repayments are Included:	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	

2021

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\$

-

\$

1,294 \$

-

\$

-