

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 2021 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2021 or fiscal plan year beginning <u>01/01/2021</u> and ending <u>12/31/2021</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 ☐ an amended return/report ☐ the final return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ special extension (enter description) ☐ automatic extension ☐ the DFVC program
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>ADVANCED ENERGY INDUSTRIES, INC. 401(K) PROFIT SHARING PLAN</u>
1b	Three-digit plan number (PN) ▶ <u>001</u>
1c	Effective date of plan <u>02/01/1984</u>
2a	Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>ADVANCED ENERGY INDUSTRIES, INC.</u> <u>1625 SHARP POINT DR</u> <u>FORT COLLINS, CO 80525</u> <u>1625 SHARP POINT DR</u> <u>FORT COLLINS, CO 80525</u>
2b	Employer Identification Number (EIN) <u>84-0846841</u>
2c	Plan Sponsor's telephone number <u>970-407-6711</u>
2d	Business code (see instructions) <u>334410</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.	09/27/2022	DAN KELLEY
	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.

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	1351
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)	897
a(2) Total number of active participants at the end of the plan year		6a(2)	981
b Retired or separated participants receiving benefits.....		6b	12
c Other retired or separated participants entitled to future benefits		6c	446
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d	1439
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e	0
f Total. Add lines 6d and 6e		6f	1439
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)		6g	1366
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 2E 2J 2K 2S 2T 3H 3D			
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:			
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)			
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ <u>0</u> 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 2021 Form M-1 annual report. If the plan was not required to file the 2021 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
		2021
		This Form is Open to Public Inspection.
For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan ADVANCED ENERGY INDUSTRIES, INC. 401(K) PROFIT SHARING PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED ENERGY INDUSTRIES, INC.	D Employer Identification Number (EIN) 84-0846841	

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)

FIDELITY INVESTMENTS INSTITUTIONAL

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 60 64 65	RECORDKEEPER	210682	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

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

FIRST WESTRN TRUST BANK

27-0083757

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
16	CONSULTANT	33750	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

STRATEGIC ADVISORS, INC.

04-2654524

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27	ADVISOR	23212	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

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

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

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

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

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

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

Part I Service Provider Information (continued)

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

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
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.	
ABF/S MID-CAP GR R5 - DST ASSET MA 430 W 7TH STREET STE 219432 KANSAS CITY, MO 64105	0.04%	
(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 2021 This Form is Open to Public Inspection.	
For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021					
A Name of plan ADVANCED ENERGY INDUSTRIES, INC. 401(K) PROFIT SHARING PLAN				B Three-digit plan number (PN) ▶ 001	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 ADVANCED ENERGY INDUSTRIES, INC.				D Employer Identification Number (EIN) 84-0846841	
Part I Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)					
a Name of MTIA, CCT, PSA, or 103-12 IE: WF STABLE FUND C					
b Name of sponsor of entity listed in (a): WELLS FARGO BANK, N.A.					
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) 14931638	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA,	

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

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 2021 This Form is Open to Public Inspection
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan ADVANCED ENERGY INDUSTRIES, INC. 401(K) PROFIT SHARING PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED ENERGY INDUSTRIES, INC.		
D Employer Identification Number (EIN) 84-0846841		

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)	0	0
(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)	1922	1986
(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)	1140485	1269650
(9) Value of interest in common/collective trusts	1c(9)	14306700	14931638
(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)	190743749	216319526
(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	206192856	232522800

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	206192856	232522800
---	-----------	-----------	-----------

Part II Income and Expense Statement

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

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	2997711	
(B) Participants	2a(1)(B)	10116099	
(C) Others (including rollovers).....	2a(1)(C)	942912	
(2) Noncash contributions.....	2a(2)	0	14056722
(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)	58977	
(F) Other	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		58977
(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)	9631879	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		9631879
(3) Rents	2b(3)		0
(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)		244526
(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)		18707473
c Other income.....	2c		0
d Total income. Add all income amounts in column (b) and enter total.....	2d		42699577
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	16097865	
(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)		16097865
f Corrective distributions (see instructions).....	2f		1747
g Certain deemed distributions of participant loans (see instructions).....	2g		2377
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)	23212	
(4) Other.....	2i(4)	244432	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		267644
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		16369633
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d.....	2k		26329944
l Transfers of assets:			
(1) To this plan.....	2l(1)		0
(2) From this plan.....	2l(2)		0

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: BROCK AND COMPANY, CPAS, P.C.

(2) EIN: 84-0930288

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	

	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		500000
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?		X	
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?		X	
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.)		X	
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?		X	
4k		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		X	
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.		X	
4n		X	

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

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

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

5c 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 2021 This Form is Open to Public Inspection.
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For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

A Name of plan ADVANCED ENERGY INDUSTRIES, INC. 401(K) PROFIT SHARING PLAN	B Three-digit plan number (PN) ▶ 001
C Plan sponsor's name as shown on line 2a of Form 5500 ADVANCED ENERGY INDUSTRIES, INC.	D Employer Identification Number (EIN) 84-0846841

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

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

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 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)? If the plan is a defined benefit plan, go to line 8.	☐ Yes ☐ No ☐ N/A
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) 2021
v. 201209

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

- 14** Enter the number of 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:

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).....

14a

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).....

14b

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).....

14c

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

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

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 _____



Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

**Independent Auditor's Report and
Financial Statements**

December 31, 2021 and 2020

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

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Supplemental Schedule:

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Independent Auditor's Report

To the Plan Administrator of the
Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan:

Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements

We have performed an audit of the financial statements of the Advanced Energy Industries, Inc. 401(k) Profit Sharing 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, 2021, and the related statement of changes in net assets available for benefits for the year then ended, and the related notes to the financial statements ("2021 Financial Statements").

Management, having determined it is permissible in the circumstances, has elected to have the audit of the 2021 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 Rules and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audit 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 Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA ("qualified institution").

Management has obtained a certification from a qualified institution as of and for the year ended December 31, 2021, stating that the certified investment information, as described in Note 4 to the financial statements, is complete and accurate.

Opinion on the 2021 Financial Statements

In our opinion, based on our audit and on the procedures performed as described in the Auditor's Responsibilities for the Audit of the 2021 Financial Statements section

- the amounts and disclosures in the accompanying 2021 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.
- the information in the accompanying 2021 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 on the 2021 Financial Statements

We conducted our audit 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 Audit of the 2021 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.

Responsibilities of Management for the 2021 Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, 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 for one year after the date the financial statements are 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 which may become due to such participants.

Auditor's Responsibilities for the Audit of the 2021 Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit for the 2021 Financial Statements 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 an audit 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 a 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 an audit in accordance with GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- 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 audit 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 audit did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the 2021 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 accounting principles generally accepted in the United States of America.

Accordingly, the objective of an 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 accounting principles generally accepted in the United States of America.

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

Other Matters

2021 Supplemental Schedule Required by ERISA

The supplemental schedule of Schedule H, Line 4i: Schedule of Assets (Held at End of Year) as of December 31, 2021, is presented for purposes of additional analysis and is not a required part of the financial statements but is supplementary information required by the Department of Labor'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 schedule, 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 schedule 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 schedule, we evaluated whether the supplemental schedule, other than the information agreed to or derived from the certified investment information, including their form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

In our opinion

- the form and content of the supplemental schedule, other than the information in the supplemental schedule that agreed to or is derived from the certified investment information, is presented, in all material respects, in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.
- the information in the supplemental schedule 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).

Auditor's Report on the 2020 Financial Statements

We were engaged to audit the 2020 financial statements of the Plan. As permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA, the plan administrator instructed us not to perform and we did not perform any auditing procedures with respect to the information certified by a qualified institution. In our report dated September 3, 2021, we indicated that (a) because of the significance of the information that we did not audit, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion and accordingly, we did not express an opinion on the 2020 financial statements, and (b) the form and content of the information included in the 2020 financial statements other than that derived from the certified information were presented in compliance with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

Brook and Company CPAs P.C.

Certified Public Accountants

Littleton, Colorado
September 23, 2022

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Statements of Net Assets Available for Benefits

December 31,	2021	2020
ASSETS		
Investments, at fair value (Notes 2 and 3):		
Mutual funds	\$ 216,319,526	\$ 190,743,749
Common collective trust	14,931,638	14,306,700
Money market fund	1,986	1,922
Total investments	231,253,150	205,052,371
Receivables:		
Employer contributions	165,648	113,379
Notes receivable from participants	1,269,650	1,140,485
Total receivables	1,435,298	1,253,864
Net assets available for benefits	\$ 232,688,448	\$ 206,306,235

The accompanying Notes are an integral part of these financial statements.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Statement of Changes in Net Assets Available for Benefits

Year ended December 31,

2021

Additions to (deductions from) net assets attributed to:

Investment income (Note 2):

Net appreciation in fair value of investments	\$ 18,951,999
Interest, dividends, and other	9,631,879

Total investment income	28,583,878
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Interest income on notes receivable from participants	58,977
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Contributions:

Employer	3,049,980
Participant	10,116,099
Rollovers	942,912

Total contributions	14,108,991
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Payments:

Distributions to participants	(16,101,989)
Administrative expenses	(267,644)

Total payments	(16,369,633)
-----------------------	---------------------

Net increase in net assets available for benefits prior to transfers	26,382,213
---	-------------------

Net assets available for benefits, beginning of year	206,306,235
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Net assets available for benefits, end of year	\$232,688,448
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The accompanying Notes are an integral part of these financial statements.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 1 – Description of the Plan

The Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan (the "Plan") was established on February 1, 1984. The following is a brief general description of the Plan. Participants and all others should refer to the Plan document for a more complete description of the Plan's provisions.

General. The Plan is a defined contribution plan established by Advanced Energy Industries, Inc. (the "Company," "Plan Administrator," or "Plan Sponsor") under the provisions of 401(a) of the Internal Revenue Code ("IRC"). The Plan is generally available to all the employees of the Company and Related Participating Employers (collectively, the "Employer"). The Plan's Related Participating Employers are UltraVolt Inc.; Sekidenko, Inc.; Trek Inc.; Lumasense Technologies Holdings, Inc.; String Inverter Repair Services LLC; Artesyn Embedded Technologies, Inc.; and Astec America, LLC. In order to be eligible to participate in the Plan an employee must be age 18 years or older. Employees may enter the Plan the first of the month coincident with or after meeting the Plan's eligibility requirements. The Plan excludes the following types of employees; union employees (unless the collectively bargained agreement provides for their participation in the Plan), nonresident aliens with no U.S. source income, leased employees, residents of Puerto Rico, and summer interns (unless they are age 21 and complete 1,000 hours of service). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended ("ERISA"). Benefits under the Plan are not guaranteed by the Pension Benefit Guaranty Corporation.

Plan Amendments. On January 1, 2021 and March 1, 2021, the Plan was amended to exclude interns from participation in the Plan and to modify the Plan's definition of compensation.

On January 8, 2021, the Company announced the acquisition of Versatile Power, Inc. On June 2, 2021, the Company announced the acquisition of TEGAM, Inc (see Note 10).

Effective June 24, 2021, the Plan sponsor adopted a FMR LLC Non-Standardized Pre-Approved Plan ("pre-approved plan") and the Plan document and trust agreement were amended and restated.

Contributions. The following types of contributions are allowable under the Plan:

- Salary Deferral Contributions – Participants may contribute a percentage up to 85% of their pre-tax compensation, as defined in the Plan document, subject to limitations. Participants may also contribute a percentage of their after tax compensation and designate it as a Roth deferral contribution. The Plan has an automatic enrollment feature. Unless an eligible participant makes an affirmative election otherwise, 2% of their compensation will be withheld and contributed to the Plan as an elective deferral contribution. A participant's total salary deferral contribution cannot exceed \$19,500 (\$26,000 if age 50 or older) in 2021.
- Discretionary Employer Matching Contributions – The Employer may make a matching contribution each Plan year to eligible participants. During 2021, the Employer made a discretionary matching contribution equal to 50% of a participant's salary deferral contribution up to 6% of compensation.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 1 – Description of the Plan (continued)

- Discretionary Employer Nonelective Contributions – The Employer may make a discretionary nonelective contribution to eligible participants that are employed by the Employer on the last day of the Plan year, with certain exceptions for death, disability, and retirement. Such contribution is allocated in the proportion that each participant's compensations bears to the compensation of all participants. During 2021, the Employer did not make a discretionary nonelective contribution.
- Rollover Contributions - Amounts distributed to participants from other qualified employee benefit plans may be rolled into the Plan.

All contributions are allocated to the Plan's investment funds at the direction of the participants.

The total annual additions to a participant's account may not exceed the lesser of \$58,000 in calendar year 2021, or 100% of the participant's compensation, as defined.

Participant Accounts. Each participant's account is credited with the participant's contributions (salary deferrals and rollovers, if any) and an allocation of (a) the Employer's discretionary contributions (matching and nonelective), (b) fund earnings or losses, and (c) administrative expenses. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account balance.

Vesting. Participants are vested immediately in their salary deferral contributions, rollover contributions, and related earnings thereon. With certain exceptions, vesting in discretionary Employer contributions occur according to the following schedule:

Years of Service	Vested Percentage
Less than 1 year	0%
1	25%
2	50%
3	75%
4 or more years	100%

Furthermore, employed participants become 100% vested in their Employer contribution portion of their accounts upon the following events:

- Participant attains normal retirement age;
- Participant's death;
- Participant becomes disabled as defined under the Plan; or
- Termination or partial termination of the Plan.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 1 – Description of the Plan (continued)

Forfeitures and Unallocated Asset Account. When certain terminations of participation in the Plan occur, the non-vested portion represents a forfeiture. Forfeitures are used to reinstate participant's accounts, used to pay administrative expenses of the Plan, or used to reduce discretionary Employer contributions. During 2021, forfeitures of \$34,398 were used to pay administrative expenses of the Plan. Unutilized forfeited non-vested accounts at December 31, 2021 and 2020 totaled \$121,168 and \$62,915, respectively.

The Plan also maintains an unallocated asset account. The balance in the unallocated asset account was \$17,731 and \$17,396 as of December 31, 2021 and 2020, respectively.

Investments. Participants currently have the option to direct their investments into various mutual funds, a common collective trust, and a money market fund.

Notes Receivable from Participants. Participants may borrow from their fund accounts a minimum of \$1,000. The maximum loan is the lesser of (i) \$50,000 minus the highest loan balance in the previous 12-month period, or (ii) 50% of their vested account balance. Loan terms range up to a maximum of 5 years (a longer term, up to 10 years, is available if used for the purchase of a principal residence). The loans are secured by the balance in the participant's account and bear a reasonable rate of interest commensurate with local prevailing rates at the date the loan is granted as determined by the Plan administrator. Principal and interest payments are generally paid ratably through payroll deductions.

Payment of Benefits. Benefits to participants or beneficiaries generally are payable as a lump sum, installments, or partial payments equal to the value of their vested account balance upon retirement, disability, death or termination of the participant. A terminated employee with a balance of less than \$5,000 may be automatically paid out by the Plan upon termination. Participants may also elect to rollover their account balance into another qualified retirement plan or Individual Retirement Account. Additionally, participants may request in-service withdrawals of their rollover contributions account, upon attainment of age 59½, for a qualified reservist distribution, and in the event of a financial hardship, as defined in the Plan document, if certain criteria are met.

Note 2 – Summary of Significant Accounting Policies

Basis of Accounting. The financial statements of the Plan are prepared using the accrual method of accounting in accordance with accounting principles generally accepted in the United States of America.

Use of Estimates. The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires the Plan's management to use estimates and assumptions that affect the reported amounts of assets and liabilities and changes therein, and disclosure of contingent assets and liabilities. Actual results could differ from those estimates.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 2 – Summary of Significant Accounting Policies (continued)

Investment Valuation and Income Recognition. The Plan's investments are stated at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. Plan management determines the Plan's valuation policies utilizing information provided by the investment advisors and trustee. See Note 3 for a discussion of fair value measurements.

Purchases and sales of securities are recorded on a trade date basis. Interest is recorded when earned. Dividends are recorded on the ex-dividend date. Net appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

Notes Receivable from Participants. Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2021 or 2020. Delinquent participant loans are reclassified as distributions based upon the terms of the Plan document.

Expenses. Certain expenses of maintaining the Plan are paid directly by the Company and are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. Administrative expenses paid by the Plan also include fees paid for recordkeeping, account maintenance, trustee, investment advisory, and other fees. Certain investment related expenses are included in net appreciation in fair value of investments.

Benefit Payments. Benefits are recorded when paid.

Note 3 – Fair Value Measurements

The Financial Accounting Standards Board ("FASB") Accounting Standards Codification ("ASC") 820, *Fair Value Measurements and Disclosures*, provides the framework for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (level 1 measurements) and the lowest priority to unobservable inputs (level 3 measurements). The three levels of the fair value hierarchy under FASB ASC 820 are described below:

Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Plan has the ability to access.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 3 – Fair Value Measurements (continued)

Level 2 Inputs to the valuation methodology include:

- Quoted prices for similar assets or liabilities in active markets;
- Quoted prices for identical or similar assets or liabilities in inactive markets;
- Inputs other than quoted prices that are observable for the asset or liability; and
- Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

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

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

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

There have been no changes in the methodologies used at December 31, 2021 and 2020. The following is a description of the valuation methodologies used for assets measured at fair value:

- Mutual funds and money market funds are valued at the quoted net asset value ("NAV") of shares/units held by the Plan at year end.
- The common collective trust ("CCT") is valued at the NAV of units held by the Plan at year end. The NAV, as provided by the trustee, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV.

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

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 3 – Fair Value Measurements (continued)

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2021 and 2020:

Fair Value Measurements at December 31, 2021				
	Quoted Prices in Active Markets for Identical Assets Level 1	Significant Other Observable Inputs Level 2	Significant Unobservable Inputs Level 3	Total
Mutual Funds	\$ 216,319,526	\$ -	\$ -	\$ 216,319,526
Money Market Fund	1,986	-	-	1,986
Total Assets in Fair Value Hierarchy	<u>\$ 216,321,512</u>	<u>\$ -</u>	<u>\$ -</u>	<u>216,321,512</u>
Investments Measured at NAV				<u>14,931,638</u>
Total Assets at Fair Value				<u>\$ 231,253,150</u>

Fair Value Measurements at December 31, 2020				
	Quoted Prices in Active Markets for Identical Assets Level 1	Significant Other Observable Inputs Level 2	Significant Unobservable Inputs Level 3	Total
Mutual Funds	\$ 190,743,749	\$ -	\$ -	\$ 190,743,749
Money Market Fund	1,922	-	-	1,922
Total Assets in Fair Value Hierarchy	<u>\$ 190,745,671</u>	<u>\$ -</u>	<u>\$ -</u>	<u>190,745,671</u>
Investments Measured at NAV				<u>14,306,700</u>
Total Assets at Fair Value				<u>\$ 205,052,371</u>

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 3 – Fair Value Measurements (continued)

Investments in Certain Entities that Calculate NAV per Unit. The following table for December 31, 2021 and 2020, sets forth a summary of certain of the Plan's investments with a reported NAV:

Investment	Fair Value as of December 31,		Unfunded Commitments	Redemption Frequency	Redemption Notice Period
	2021	2020			
CCT (a)	\$ 14,931,638	\$ 14,306,700	None	Daily	(b)

(a) The Wells Fargo Stable Value Fund C has a stable value fund strategy that seeks to protect principal while providing a higher rate of return than shorter maturity investments, such as money market funds or certificates of deposits, by investing primarily in investment contracts and security backed contracts.

(b) For the Wells Fargo Stable Value Fund C, qualified Plan participant initiated withdrawals are honored at any time without penalty, regardless of their frequency or amount unless payments are being delayed to all Wells Fargo Stable Return Fund C (the "Fund") unit holders. The Fund also requires participants to invest in a "non-competing fund" for at least 90 days before transferring to a "competing" fund option. Examples of "competing" fund options include a money market fund, a high quality bond fund with a duration of three years or less, other principal preservation funds, or a brokerage window.

Any Plan sponsor or Plan fiduciary initiated withdrawal from the Fund will require a 12-month written notice of the intent to withdraw assets from the fund. At the discretion of Wells Fargo, the notification periods identified for withdrawals may be waived only under extenuating circumstances as determined by the Trustees in its sole discretion.

Note 4 – Certified Information

The following information disclosed in the accompanying financial statements and ERISA-required supplemental schedule was obtained by management and agreed to or derived from information certified as complete and accurate by Fidelity Management Trust Company, the trustee of the Plan:

- Investments, as shown in the Statements of Net Assets Available for Benefits as of December 31, 2021 and 2020;
- Notes receivable from participants, as shown in the Statements of Net Assets Available for Benefits as of December 31, 2021 and 2020;
- Investment amounts, as shown in Note 3;
- Investment income, as shown in the Statement of Changes in Net Assets Available for Benefits for the year ended December 31, 2021;
- Interest income on notes receivable from participants, as shown in the Statement of Changes in Net Assets Available for Benefits for the year ended December 31, 2021;
- The information presented in the Schedule of Assets (Held at End of Year) as of December 31, 2021, as shown in the supplemental schedule.

Note 5 – Plan Termination

Although 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 of ERISA. In the event of Plan termination or partial termination, affected participants will become 100% vested in their accounts.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 6 – Tax Status

The Plan sponsor has adopted a FMR LLC Non-Standardized Pre-Approved Plan (“pre-approved plan”). The pre-approved plan received an opinion letter from the Internal Revenue Service (“IRS”) on June 30, 2020, which stated that the pre-approved plan is qualified under the applicable sections of the Internal Revenue Code (“IRC”). Although the pre-approved plan and the Plan have been amended since receiving the IRS opinion letter, the Plan sponsor believes that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC. Therefore, the Plan sponsor believes that the Plan is qualified under Section 401(a) of the IRC and the related Trust is tax exempt as of December 31, 2021 and 2020. Therefore, no provision for income taxes has been included in the Plan’s financial statements.

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan administrator has analyzed the tax positions taken by the Plan, and has concluded that as of December 31, 2021 and 2020, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

Note 7 – Reconciliation to Form 5500

The following is a reconciliation of net assets available for benefits per the financial statements to the Form 5500 as of December 31, 2021 and 2020:

	2021	2020
Net assets available for benefits per the financial statements	\$ 232,688,448	\$ 206,306,235
Less: Employer contributions receivable	(165,648)	(113,379)
Net assets available for benefits per the Form 5500 (unaudited)	\$ 232,522,800	\$ 206,192,856

The following is a reconciliation of Employer contributions per the financial statements to the Form 5500 for the year ended December 31, 2021:

	Employer Contributions
Amounts per the financial statements	\$ 3,049,980
Add: 2020 Employer contributions receivable	113,379
Less: 2021 Employer contributions receivable	(165,648)
Amounts per the Form 5500 (unaudited)	\$ 2,997,711

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 8 – Party-In-Interest Transactions

The Company provides to the Plan certain accounting and administrative services for which no fees are charged.

Certain Plan investments are offered by Fidelity. As Fidelity is the Plan's trustee and recordkeeper, these transactions represent party-in-interest transactions. Additionally, the Plan maintains notes receivable from participants. Fees paid for services rendered by parties-in-interest were based on customary and reasonable rates for such services.

Note 9 – Concentrations, Risks and Uncertainties

The Plan currently provides for various investment options in mutual funds, a common collective trust, and a money market fund. Investment securities, in general, are exposed to various risks, such as significant world events, interest rate, credit, and overall market volatility risk. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect the amounts presented in the statements of net assets available for benefits. As of December 31, 2021 and 2020, there were two investments which individually represented more than 10% of net assets available for Plan benefits. See supplemental Schedule of Assets (Held at End of Year) for a complete listing of investments held at December 31, 2021.

Additionally, some investments held by the Plan are invested in the securities of foreign companies, which involve special risks and considerations not typically associated with investing in U.S. companies. These risks include devaluation of currencies, less reliable information about issuers, different securities transaction clearance and settlement practices, and possible adverse political and economic developments. Moreover, securities of many foreign companies and their markets may be less liquid and their prices more volatile than those of securities of comparable U.S. companies.

Note 10 – Subsequent Events

Management evaluates events occurring subsequent to the date of the financial statements in determining the accounting for and disclosure of transactions and events that affect the financial statements. Subsequent events have been evaluated through September 23, 2022, which is the date the financial statements were available to be issued.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

Notes to Financial Statements

December 31, 2021 and 2020

Note 10 – Subsequent Events (continued)

Effective January 1, 2022, the Plan document was amended. In connection with this amendment, the following:

- The Tegam, Inc. 401(k) Plan and Versatile Power 401(k) Savings Plan were merged into the Plan. In connection with this merger, assets of approximately \$7.5 million were transferred from these Plans to the Plan in January 2022. Additionally, a blackout period commenced on December 27, 2021 and ended January 28, 2022.
- The Plan added an Employer safe harbor matching contribution whereas the Employer will make a safe harbor matching contribution to eligible participants each Plan year equal to 100% of a participant's salary deferral contributions that do not exceed 3% of their compensation, plus 50% of a participant's salary deferral contributions in excess of 3% but not in excess of 5% of the participant's compensation.
- Participants may not currently make after-tax Employee contributions to the Plan, but the Employer does maintain a frozen an employee after-tax contributions account
- An early retirement age option was added to allow a participant to become 100% vested when a participant attains age 55 and complete 7 years of vesting service.
- Vesting was modified to allow participants to become 100% vested in the discretionary Employer matching and nonelective contribution accounts.

On April 25, 2022, Advanced Energy completed the acquisition of SL Power. In connection with this acquisition, the Plan document was amended on April 25, 2022 to add SL Power Electronics Corp as a related participating employer.

Advanced Energy Industries, Inc. 401(k) Profit Sharing Plan

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

EIN: 84-0846841

PN: 001

December 31,

2021

Identity of Issue Borrower, Lessor, or Similar Party	Description of Investment	Shares/ Units	Current Value
Mutual Funds:			
PIMCO	PIMCO INCOME INST	664,106	\$ 7,929,423
Principal	PIF REAL EST SEC R6	30,019	1,046,773
T. Rowe Price	TRP BLUE CHIP GRTH I	221,351	39,451,304
Victory Sycamore	VICTORY S SMCO OP R6	73,458	3,850,669
JP Morgan	JPM SM CAP GROWTH R6	114,350	2,942,230
American Beacon	ABF/S MID-CAP GR R5	186,316	7,434,027
MFS	MFS VALUE R6	1,174	63,795
American Funds	AF EUROPAC GROWTH R6	158,022	10,228,790
American Funds	AF WASH MUTL INV R6	180,167	10,901,917
Allspring	AS SPL MID CP VAL R6	50,919	2,576,500
Invesco	INVS DEVELOP MKT R6	30,856	1,450,251
* Fidelity	FID US BOND IDX	481,947	5,773,728
* Fidelity	FID 500 INDEX	200,680	33,176,459
* Fidelity	FID MID CAP IDX	189,268	6,054,685
* Fidelity	FID SM CAP IDX	75,949	2,093,152
* Fidelity	FID INTL INDEX	56,312	2,775,595
* Fidelity	FID FDM IDX INC IPR	66,398	841,264
* Fidelity	FID FDM IDX 2005 IPR	21,942	306,748
* Fidelity	FID FDM IDX 2010 IPR	14,804	211,402
* Fidelity	FID FDM IDX 2015 IPR	183,578	2,865,648
* Fidelity	FID FDM IDX 2020 IPR	538,833	9,300,261
* Fidelity	FID FDM IDX 2025 IPR	767,150	15,020,801
* Fidelity	FID FDM IDX 2030 IPR	779,382	16,125,422
* Fidelity	FID FDM IDX 2035 IPR	454,180	10,527,899
* Fidelity	FID FDM IDX 2040 IPR	449,885	10,644,268
* Fidelity	FID FDM IDX 2045 IPR	192,533	4,730,544
* Fidelity	FID FDM IDX 2050 IPR	200,930	4,944,887
* Fidelity	FID FDM IDX 2055 IPR	93,890	1,900,325
* Fidelity	FID FDM IDX 2060 IPR	58,105	995,918
* Fidelity	FID FDM IDX 2065 IPR	11,180	154,841
Total Mutual Funds			216,319,526
Common Collective Trust:			
Wells Fargo	WF STABLE FUND C	261,683	14,931,638
Money Market Fund:			
* Fidelity	FID GOVT MMKT	1,986	1,986
* Participants	Loans to Participants (interest rates ranging from 4.25% to 7.50%, various maturity dates)		1,269,650
Total Assets (Held at End of Year)			\$ 232,522,800

* Represents a party-in-interest

SUMMARY OF NET TRUST ASSETS

Total Plan Assets as of 12/31/2021

<u>Fund Name</u>	<u>Share Balance 12/31/2021</u>	<u>Historical Cost</u>	<u>Price</u>	<u>Total Market Value</u>
PIMCO INCOME INST	664,105.767	\$7,897,046.82	\$11.94	\$7,929,422.86
PIF REAL EST SEC R6	30,019.295	\$844,611.13	\$34.87	\$1,046,772.82
TRP BLUE CHIP GRTH I	221,350.526	\$28,262,072.34	\$178.23	\$39,451,304.25
VICTORY S SMCO OP R6	73,458.005	\$3,312,246.85	\$52.42	\$3,850,668.62
WF STABLE FUND C	261,683.113	\$14,502,577.60	\$57.06	\$14,931,638.43
JPM SM CAP GROWTH R6	114,350.194	\$2,947,260.41	\$25.73	\$2,942,230.49
ABF/S MID-CAP GR R5	186,316.459	\$5,403,379.82	\$39.90	\$7,434,026.71
MFS VALUE R6	1,174.222	\$62,908.87	\$54.33	\$63,795.48
AF EUROPAC GROWTH R6	158,022.406	\$8,645,069.10	\$64.73	\$10,228,790.34
AF WASH MUTL INV R6	180,167.203	\$8,501,262.63	\$60.51	\$10,901,917.45
AS SPL MID CP VAL R6	50,918.963	\$2,248,306.39	\$50.60	\$2,576,499.53
INVS DEVELOP MKT R6	30,856.412	\$1,437,225.88	\$47.00	\$1,450,251.36
FID GOVT MMTT	1,985.870	\$1,985.87	\$1.00	\$1,985.87
FID US BOND IDX	481,947.231	\$5,884,425.75	\$11.98	\$5,773,727.83
FID 500 INDEX	200,680.248	\$22,666,876.73	\$165.32	\$33,176,458.60
FID MID CAP IDX	189,268.040	\$4,865,269.84	\$31.99	\$6,054,684.60
FID SM CAP IDX	75,948.908	\$1,804,548.75	\$27.56	\$2,093,151.90
FID INTL INDEX	56,311.515	\$2,592,235.70	\$49.29	\$2,775,594.57
FID FDM IDX INC IPR	66,398.070	\$818,327.95	\$12.67	\$841,263.55
FID FDM IDX 2005 IPR	21,941.927	\$304,816.08	\$13.98	\$306,748.14
FID FDM IDX 2010 IPR	14,804.075	\$201,105.13	\$14.28	\$211,402.19
FID FDM IDX 2015 IPR	183,577.679	\$2,663,491.39	\$15.61	\$2,865,647.57
FID FDM IDX 2020 IPR	538,833.196	\$8,390,355.22	\$17.26	\$9,300,260.96
FID FDM IDX 2025 IPR	767,150.202	\$13,244,561.08	\$19.58	\$15,020,800.96
FID FDM IDX 2030 IPR	779,382.414	\$13,840,507.09	\$20.69	\$16,125,422.15
FID FDM IDX 2035 IPR	454,180.303	\$8,711,669.32	\$23.18	\$10,527,899.42
FID FDM IDX 2040 IPR	449,884.519	\$8,499,556.00	\$23.66	\$10,644,267.72
FID FDM IDX 2045 IPR	192,533.345	\$3,792,162.98	\$24.57	\$4,730,544.29
FID FDM IDX 2050 IPR	200,929.999	\$3,959,610.98	\$24.61	\$4,944,887.28
FID FDM IDX 2055 IPR	93,889.578	\$1,583,281.66	\$20.24	\$1,900,325.06
FID FDM IDX 2060 IPR	58,104.914	\$831,364.78	\$17.14	\$995,918.23
FID FDM IDX 2065 IPR	11,179.853	\$154,158.58	\$13.85	\$154,840.96
OUTSTANDING LOAN BALANCE				\$1,269,650.49

			NET ASSETS 12/31/2021:	\$232,522,800.68
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Assets are presented at fair value with the exception to fully benefit responsive investment contracts which are presented at contract value as in previous years.
See Chapter 7 of the Fidelity Auditor's Guide for financial statement presentation and disclosure information.