

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 ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	▶ ☒
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	▶ ☐

Part II	Basic Plan Information—enter all requested information										
1a Name of plan <u>SOLAR SAVINGS AND INVESTMENT PLAN</u>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">1b Three-digit plan number (PN) ▶</td> <td style="width: 20%; text-align: center;"><u>013</u></td> </tr> <tr> <td colspan="2">1c Effective date of plan <u>01/01/1985</u></td> </tr> <tr> <td colspan="2">2b Employer Identification Number (EIN) <u>95-3621514</u></td> </tr> <tr> <td colspan="2">2c Plan Sponsor's telephone number <u>619-544-5407</u></td> </tr> <tr> <td colspan="2">2d Business code (see instructions) <u>333610</u></td> </tr> </table>	1b Three-digit plan number (PN) ▶	<u>013</u>	1c Effective date of plan <u>01/01/1985</u>		2b Employer Identification Number (EIN) <u>95-3621514</u>		2c Plan Sponsor's telephone number <u>619-544-5407</u>		2d Business code (see instructions) <u>333610</u>	
1b Three-digit plan number (PN) ▶	<u>013</u>										
1c Effective date of plan <u>01/01/1985</u>											
2b Employer Identification Number (EIN) <u>95-3621514</u>											
2c Plan Sponsor's telephone number <u>619-544-5407</u>											
2d Business code (see instructions) <u>333610</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>SOLAR TURBINES INCORPORATED</u> <u>2200 PACIFIC HIGHWAY</u> <u>SAN DIEGO, CA 92101</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.	07/06/2022	STEPHEN ROBERTSON
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2021)
v. 210624

3a Plan administrator's name and address ☐ Same as Plan Sponsor CATERPILLAR INC. CHIEF HUMAN RESOURCES OFFICER, HUMAN RESOURCES 510 LAKE COOK RD. DEERFIELD, IL 60015		3b Administrator's EIN 36-0602744	
		3c Administrator's telephone number 224-551-4000	
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	1512
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year..... a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested			
		6a(1)	999
		6a(2)	1181
		6b	0
		6c	457
		6d	1638
		6e	55
		6f	1693
		6g	1693
		6h	20
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)		7	
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2J 2K 2O 2R 2S 2T 3F 3H b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:			
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	
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 SOLAR SAVINGS AND INVESTMENT PLAN	B Three-digit plan number (PN) ▶	013
C Plan sponsor's name as shown on line 2a of Form 5500 SOLAR TURBINES INCORPORATED	D Employer Identification Number (EIN) 95-3621514	

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

1 Information on Persons Receiving Only Eligible Indirect Compensation

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

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

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

ALIGHT FINANCIAL ADVISORS, LLC

82-1061233

(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?
26 50	NONE	183062	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

NORTHERN TRUST COMPANY

36-1561860

(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?
21 50	TRUSTEE	21273	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

PERSHING LLC

13-2741729

(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?
71 99	NONE	0	Yes ☒ No ☐	Yes ☐ No ☒	18310	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)

PRICEWATERHOUSECOOPERS LLP

13-4008324

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
10 50	NONE	14743	Yes ☐ No ☒	Yes ☐ No ☐		Yes ☐ No ☐

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

STRATEGIC BENEFIT ADVISORS

03-0415817

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
13 16 50	NONE	11402	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
PERSHING LLC	71 99	18310
(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.	
ALIGHT FINANCIAL SOLUTIONS 82-1061233	SECURITIES BROKERAGE COMMISSIONS AND OTHER FEES	
(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
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(a) Enter name and EIN or address of service provider (see instructions)	(b) Nature of Service Code(s)	(c) Describe the information that the service provider failed or refused to provide

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

a Name:	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:

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)

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

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

a Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
plan sponsor**c** EIN-PN**a** Plan name**b** Name of
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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 SOLAR SAVINGS AND INVESTMENT PLAN	B Three-digit plan number (PN)	013
C Plan sponsor's name as shown on line 2a of Form 5500 SOLAR TURBINES INCORPORATED	D Employer Identification Number (EIN) 95-3621514	

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

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....	1a	553742	1889
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	2276031	1860843
(2) Participant contributions.....	1b(2)	66930	110649
(3) Other	1b(3)	208081	251161
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	5738393	5598218
(9) Value of interest in common/collective trusts.....	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts.....	1c(11)	292966749	314751710
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other.....	1c(15)	13178609	17404130

		(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:		
(1)	Employer securities.....	1d(1)	
(2)	Employer real property.....	1d(2)	
e	Buildings and other property used in plan operation	1e	
f	Total assets (add all amounts in lines 1a through 1e)	1f	314988535 339978600
Liabilities			
g	Benefit claims payable	1g	
h	Operating payables	1h	
i	Acquisition indebtedness.....	1i	
j	Other liabilities.....	1j	633360 164503
k	Total liabilities (add all amounts in lines 1g through 1j)	1k	633360 164503
Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	314355175 339814097

Part II Income and Expense Statement

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

		(a) Amount	(b) Total
Income			
a	Contributions:		
(1)	Received or receivable in cash from: (A) Employers	2a(1)(A)	5435461
	(B) Participants	2a(1)(B)	6668815
	(C) Others (including rollovers).....	2a(1)(C)	90087
(2)	Noncash contributions.....	2a(2)	
(3)	Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)	12194363
b	Earnings on investments:		
(1)	Interest:		
	(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)	
	(B) U.S. Government securities	2b(1)(B)	
	(C) Corporate debt instruments	2b(1)(C)	
	(D) Loans (other than to participants)	2b(1)(D)	
	(E) Participant loans.....	2b(1)(E)	280044
	(F) Other	2b(1)(F)	280514
	(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)	560558
(2)	Dividends: (A) Preferred stock.....	2b(2)(A)	
	(B) Common stock	2b(2)(B)	
	(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)	
	(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)	0
(3)	Rents	2b(3)	
(4)	Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	
	(B) Aggregate carrying amount (see instructions).....	2b(4)(B)	
	(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)	0
(5)	Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	
	(B) Other	2b(5)(B)	
	(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)	0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		33577837
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		
c Other income.....	2c		1372164
d Total income. Add all income amounts in column (b) and enter total.....	2d		47704922
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	22060985	
(2) To insurance carriers for the provision of benefits.....	2e(2)		
(3) Other.....	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		22060985
f Corrective distributions (see instructions).....	2f		
g Certain deemed distributions of participant loans (see instructions).....	2g		-48697
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)	48066	
(2) Contract administrator fees.....	2i(2)	647	
(3) Investment advisory and management fees.....	2i(3)	184999	
(4) Other.....	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		233712
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j		22246000
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d.....	2k		25458922
l Transfers of assets:			
(1) To this plan.....	2l(1)		
(2) From this plan.....	2l(2)		

Part III Accountant's Opinion

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

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

(1) ☒ 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: PRICEWATERHOUSECOOPERS LLP

(2) EIN: 13-4008324

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		45000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			
5a Has a resolution to terminate the plan been adopted during the plan year or any prior plan year?..... ☐ Yes ☒ No If "Yes," enter the amount of any plan assets that reverted to the employer this year _____.			
5b If, during this plan year, any assets or liabilities were transferred from this plan to another plan(s), identify the plan(s) to which assets or liabilities were transferred. (See instructions.)			
5b(1) Name of plan(s)	5b(2) EIN(s)	5b(3) PN(s)	
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.
For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021		
A Name of plan SOLAR SAVINGS AND INVESTMENT PLAN		B Three-digit plan number (PN) ▶ 013
C Plan sponsor's name as shown on line 2a of Form 5500 SOLAR TURBINES INCORPORATED		D Employer Identification Number (EIN) 95-3621514
Part I	Distributions	
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 36-3046063		
Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.		
3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year		3
Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)	
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)		6a
b Enter the amount contributed by the employer to the plan for this plan year		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III	Amendments	
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV	ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.	
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?		☐ Yes ☒ No
11 a Does the ESOP hold any preferred stock?		☐ Yes ☒ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.)		☐ Yes ☒ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?		☐ Yes ☒ No
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 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 _____

Solar Savings and Investment Plan

**Financial Statements and Supplemental Schedule
December 31, 2021 and 2020**

Solar Savings and Investment Plan

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Report of Independent Registered Public Accounting Firm

Financial Statements

[Statements of Net Assets Available for Benefits, December 31, 2021 and 2020](#) [1](#)

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[Notes to Financial Statements, as of December 31, 2021 and 2020 and for the Year Ended December 31, 2021](#) [3](#)

Supplemental Schedule

[Schedule H, Line 4i - Schedule of Assets \(Held at End of Year\) December 31, 2021](#) [16](#)

Note: Other schedules required by 29 CFR 2520.103-10 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 have been omitted because they are not applicable.



Report of Independent Auditors

To the Administrator of Solar Savings and Investment Plan

Opinion

We have audited the accompanying financial statements of Solar Savings and Investment Plan (the "Plan"), an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statements of net assets available for benefits as of December 31, 2021 and 2020, and the related statement of changes in net assets available for benefits for the year ended December 31, 2021, including the related notes (collectively referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2021 and 2020, and the changes in its net assets available for benefits for the year ended December 31, 2021, in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

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

Responsibilities of Management for the 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.

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.



Auditors' Responsibilities for the Audit of the Financial Statements

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 auditors' 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 US 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 US 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.

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.

Supplemental Schedule Required by ERISA

Our audit was conducted for the purpose of forming an opinion on the financial statements as a whole. Schedule H, Line 4i – Schedule of Assets (Held at End of Year) as of December 31, 2021 (“supplemental schedule”), 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 has been subjected to the 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 US GAAS.

In forming our opinion on the supplemental schedule, we evaluated whether the supplemental schedule, including its 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 information in the accompanying supplemental schedule is fairly stated, in all material respects, in relation to the financial statements as a whole, and the form and content are presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA.

PricewaterhouseCoopers LLP

Chicago, Illinois
June 24, 2022

Solar Savings and Investment Plan
Statements of Net Assets Available for Benefits
December 31, 2021 and 2020

(in thousands of dollars)

Investments

	2021	2020
Interest in the Master Trust	\$ 314,393	\$ 291,789
Other investments – participant directed brokerage accounts	17,404	13,179
Total investments	<u>331,797</u>	<u>304,968</u>

Receivables

Notes receivable from participants	6,119	6,308
Participant contributions receivable	111	67
Employer contributions receivable	1,861	2,276
Receivables for securities sold – participant directed brokerage accounts	251	208
Total receivables	<u>8,342</u>	<u>8,859</u>

Cash	<u>2</u>	<u>553</u>
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Total assets	<u>340,141</u>	<u>314,380</u>
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Liabilities

Payables for securities purchased – participant directed brokerage accounts	(165)	(633)
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Net assets available for benefits	<u>\$ 339,976</u>	<u>\$ 313,747</u>
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See accompanying notes to the financial statements.

Solar Savings and Investment Plan
Statement of Changes in Net Assets Available for Benefits
Year Ended December 31, 2021

<i>(in thousands of dollars)</i>	2021
Investment income (loss)	
Plan interest in net investment income (loss) of the Master Trust	\$ 34,397
Net appreciation (depreciation) in fair value of investments from participant directed brokerage accounts	1,400
Net investment income (loss)	<u>35,797</u>
Interest and dividend income	
Interest income on notes receivable from participants	280
Interest and dividend income from participant directed brokerage accounts	281
Total interest and dividend income	<u>561</u>
Contributions	
Participant	6,669
Employer	5,435
Rollover	90
Total contributions	<u>12,194</u>
Deductions	
Participant withdrawals	(22,061)
Administrative expenses	(262)
Total deductions	<u>(22,323)</u>
Net increase (decrease) in net assets available for benefits	<u>26,229</u>
Net assets available for benefits	
Beginning of year	313,747
End of year	<u><u>\$ 339,976</u></u>

See accompanying notes to the financial statements.

Solar Savings and Investment Plan

Notes to Financial Statements

December 31, 2021 and 2020

1. Plan Description

The following description of the Solar Savings and Investment Plan (the "Plan") provides only general information. Participants should refer to the Plan documents for more complete information regarding the Plan.

General

The Plan is a profit sharing plan that includes a cash or deferred arrangement under Section 401(k) of the Internal Revenue Code ("IRC") and is an "employee stock ownership plan" within the meaning of IRC Section 4975(e)(7). The Plan is maintained and sponsored by Solar Turbines Incorporated (the "Company"), a 100 percent-owned subsidiary of Caterpillar Inc., and enables eligible employees of the Company and its subsidiaries to accumulate funds for retirement. The Plan is governed by the provisions of the Employee Retirement Income Security Act, as amended ("ERISA").

Participation

Hourly employees of the Company who are covered under collective bargaining agreements to which the Plan is extended and who meet certain age, service and citizenship or residency requirements are eligible to participate in the Plan. Participating eligible employees (the "participants") elect to defer a portion of their eligible compensation through pre-tax and after-tax contributions.

Contributions

All participants are eligible to make participant contributions through a pre-tax deferral arrangement and an after-tax Roth 401(k) arrangement as elected by each participant. Participants who are at least 50 years old by the end of the calendar year are allowed to make a catch-up contribution for that year. Contributions are subject to certain limitations set by the IRC. All participants also are eligible for employer matching contributions which are 100 percent of participant 401(k) contributions up to a maximum of 6 percent of eligible compensation.

As agreed upon in the latest collective bargaining agreement, for Plan years beginning January 1, 2020 and ending December 31, 2024, eligible participants will continue to receive an annual employer non-elective contribution. For the 2020 Plan year, eligible participants received an employer non-elective contribution equal to \$2,000. For Plan years beginning January 1, 2021 and ending December 31, 2024, eligible participants will receive an employer non-elective contribution equal to 3 percent of eligible compensation.

In order to receive the annual employer non-elective contribution, the participant must complete 1,000 hours of service and must be employed in the bargaining unit on the last day of the applicable Plan year. The employer non-elective contribution will be subject to a three-year cliff vesting schedule (i.e., after the participant completes three years of vesting service the contribution is 100 percent vested). The employer non-elective contributions are included in Employer contributions receivable on the Statements of Net Assets Available for Benefits and were \$1,760 thousand and \$2,052 thousand for the 2021 and 2020 Plan years, respectively.

Participants direct the investment of their contributions, employer matching and employer non-elective contributions into various investment options offered by the Plan as discussed in Note 3. Participants generally may change their contribution elections and prospective investment elections on a daily basis and reallocate the investment of their existing account balances either daily or every seven business days (if subject to applicable trading restrictions) depending on the investment.

Newly eligible participants are subject to an automatic enrollment process. Unless electing otherwise, participants who become newly eligible will be enrolled with a default 6 percent deferral of their eligible compensation, and their default investment election is the Target Retirement Fund ("TRF") closest to the year in which the participant turns age 65. Participants that are automatically enrolled in the Plan will have their default 6 percent deferral automatically increased by 1 percent each year until the participant is contributing 15 percent, unless the participant elects otherwise.

Participant Accounts

Accounts are separately maintained for each participant. The participant's account is credited with the participant's contributions, employer matching contributions, employer non-elective contributions, Plan earnings/losses (based on each participant's investment elections) and charged with administrative expenses. Participants are entitled to the benefit that can be provided from the participant's vested account.

Rollover Contributions

Participants are allowed to make rollover contributions of amounts received from other qualified retirement plans. Rollover contributions are allocated to a separate Rollover Account maintained on behalf of the participant.

Vesting and Distribution Provisions

Participants are fully vested in their participant contributions, employer matching contributions and related earnings thereon. Participants fully vest in the employer non-elective contributions and the related earnings thereon after being credited with three years of benefit service. The Plan provides for 100 percent vesting of the employer non-elective contributions and the related earnings thereon upon a participant becoming totally and permanently disabled or deceased while actively employed, or while performing qualified military service.

Company contributions forfeited by terminated participants are used to reduce future Company contributions to the Plan. The amount forfeited and used to reduce Company contributions for the year ended December 31, 2021 was \$85 thousand.

Upon termination of employment for any reason, including death or retirement, the balance in a participant's vested account is distributable in a single lump sum cash payment unless the participant (or beneficiary) elects to receive periodic withdrawals. Participants also have the option to leave their vested account balances in the Plan, subject to certain limitations and required minimum distribution rules. A participant also may elect to receive a distribution of Caterpillar Inc. stock up to the amount of the participant's balance in the Caterpillar Stock Fund on date of election. The value of shares will be based upon the average price per share The Northern Trust Company (the "Trustee") receives from the sale of Caterpillar Inc. shares for the purpose of making the distribution.

The Setting Every Community Up for Retirement Enhancement ("SECURE") Act was enacted in December 2019. Effective January 1, 2020, the required minimum distribution age was increased from age 70 1/2 to 72 (age 70 1/2 if the participant was born before July 1, 1949).

Notes Receivable from Participants

The Plan provides for participant loans against eligible participant account balances. Eligible participants obtain loans by filing a loan application with the Plan's recordkeeper and receiving all requisite approvals. Loan amounts are generally limited to the lesser of \$50,000 or 50 percent of the individual participant's vested account balance, with certain regulatory restrictions. The minimum loan permitted is \$1,000 and participants may only have two outstanding loans at any time. Each loan specifies a repayment period that cannot extend beyond five years. However, the five-year limit shall not apply to any loan used to acquire any dwelling unit which within a reasonable time is to be used as the principal residence of the participant (determined at the time the loan is made). Loans bear interest at the prime interest rate plus 1 percent, as determined at the time of loan origination. Loans that transferred to the Plan due to acquisitions are based upon the terms of the plan agreement in effect at the time of loan origination. Repayments, including interest, are made through payroll deductions and are credited to the individual participant's account balance. Participant loans are measured at their unpaid principal balance plus any accrued but unpaid interest. For participant loans that are in default, the amount of the unpaid loan principal and interest due to the Plan will be treated as a deemed distribution. Deemed distributions are reported as a taxable distribution and remain part of the participant's account balance until a distributable event occurs (i.e., termination of employment).

The Coronavirus Aid, Relief and Economic Security ("CARES") Act allowed a qualified participant the ability to suspend loan repayments for any existing loan due between June 2, 2020 through December 31, 2020. When loan payments recommenced on January 1, 2021, they were subsequently reamortized to reflect any suspended payments, adjusted for interest and the terms of the loan extended for one year.

Administration

The Plan is administered by Caterpillar Inc. Pursuant to procedures adopted by Caterpillar Inc., responsibility for the Plan's non-financial matters has been delegated to the Caterpillar Inc. Benefits Administrative Committee and responsibility for the Plan's financial matters has been delegated to the Caterpillar Inc. Benefit Funds Committee. Caterpillar Inc. and the Caterpillar Inc. Benefit Funds Committee have entered into a trust agreement with the Trustee to receive contributions, administer the assets of the Plan and distribute withdrawals pursuant to the Plan. Caterpillar Inc. has retained Alight Solutions to provide recordkeeping and administrative services as part of the administration of the Plan.

Plan Termination

The Company, as Plan sponsor, and Caterpillar Inc., as the Company's corporate parent, have the right under the Plan at any time to terminate the Plan, subject to provisions of ERISA and subject to the terms of any applicable collective bargaining agreement. In the event of Plan termination, participants will become fully vested in all benefits which have been accrued up to the date of Plan termination and Plan assets will be distributed in accordance with the provisions of the Plan.

Plan Qualification

The Plan obtained its latest determination letter on September 23, 2015, in which the Internal Revenue Service ("IRS") stated that the Plan and related trust, as then designed, were in compliance with the applicable requirements of the IRC. Although the Plan has been amended subsequent to the period covered by the determination letter, the Plan Administrator and the Plan's counsel believe that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC, and therefore, believe that the Plan is qualified and the related trust is tax-exempt. If an operational issue is discovered, the Plan sponsor has indicated that it will take any necessary steps to bring the Plan's operations into compliance with the IRC.

Accounting principles generally accepted in the United States of America require management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Company 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 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. The Company believes the Plan is no longer subject to income tax examinations for tax years prior to 2007.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting in accordance with accounting principles generally accepted in the United States of America.

Investments

The Plan's interest in the Caterpillar Investment Trust ("Master Trust") and investments included in the participant directed brokerage accounts are valued as described in Note 4. Interest on investments is recorded daily as earned. Dividends are recorded on the ex-dividend date. The Master Trust presents, in Note 4, in Net investment income (loss), the net appreciation (depreciation) in the fair value of its investments which consists of the realized gains (losses) and the unrealized appreciation (depreciation) on those investments. Purchases and sales of securities are recorded on a trade-date basis.

Administrative Expenses

The Plan charges a \$5 per month per participant fee to pay expenses as they come due. Expenses are recordkeeping fees, trustee fees, plan education and audit fees and are paid once they have been approved by the Caterpillar Inc. Benefit Funds Committee. If a participant has an account in more than one plan sponsored by the Company or an affiliate, they will only be charged one \$5 per month fee. Caterpillar Inc. pays any administrative expenses which exceed amounts collected from participants annually by the Plan, excluding applicable expenses paid directly from participant accounts described below. If amounts collected from participants exceed certain administrative expenses, Caterpillar Inc. determines whether a corrective action is appropriate which could include a reallocation of funds back to participant accounts or a structural change to the participant fees. The Plan did not charge a monthly per participant fee for November or December 2021.

In addition, certain administrative expenses are paid directly from participant accounts. These administrative expenses include monthly fees for participants that utilize professional management services and processing fees for qualified domestic relations orders and participant loans.

Participant Withdrawals

Participant withdrawals are recorded when paid.

Use of Estimates in the Preparation of Financial Statements

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

Risks and Uncertainties

The Plan invests in various investment securities. Investment securities are exposed to various risks, such as interest rate, market and credit risks. Due to the level of risk associated with certain investment securities, it is at least reasonably possible that changes in the values of investment securities could occur in the near term and that such changes could materially affect participant account balances and the amounts reported in the Statements of Net Assets Available for Benefits.

Subsequent Events

The Plan has evaluated subsequent events through June 24, 2022, the date the financial statements were available to be issued, and concluded there were no events or transactions that required recognition or disclosure in the Plan's financial statements.

3. Investment Programs

Investment options that are currently available to participants consist of three main categories: TRFs, core investment options (including the Caterpillar Stock Fund) and a participant directed brokerage option.

The TRFs are portfolios created primarily from the Plan's core investment options. The goal of these funds is to give participants investment options that provide an age appropriate asset allocation. Each TRF contains a blend of stock and bond investments. The proportion of stocks and bonds in each fund is based on an anticipated retirement date and reduces exposure in equities and increases fixed income and other certain investments as the participant's anticipated retirement date approaches or passes.

In addition to the TRFs, the Plan also provides participants with core investment options which are made up of actively managed investment funds and index funds. The following table presents the investment funds and index funds that were available to participants as of December 31, 2021 and 2020.

Menu of Core Investment Options	
<u>U.S. Large Cap Equity Funds</u>	<u>Capital Preservation Funds</u>
1 Caterpillar Stock Fund	8 Stable Principal Fund
2 U.S. Large Cap Equity Fund	9 Money Market Fund
3 U.S. Large Cap Equity Index Fund	
<u>U.S. Small/Mid Cap Equity Funds</u>	<u>Fixed Income Funds</u>
4 U.S. Small/Mid Cap Equity Fund	10 Bond Fund
5 U.S. Small/Mid Cap Equity Index Fund	11 Bond Index Fund
<u>International Equity Funds</u>	
6 International Equity Fund	
7 International Equity Index Fund	

The Caterpillar Stock Fund consists of Caterpillar Inc. common stock and a small amount of cash and/or cash equivalents.

The participant directed brokerage option allows participants to invest outside of the standard Plan options. Alight Financial Solutions is the introducing broker/dealer and Pershing, a division of BNY Mellon, is the custodian/clearing firm for the participant directed brokerage option. The types of investments offered through the participant directed brokerage option are individual company stocks (excluding Caterpillar Inc. common stock), exchange traded funds, registered investment companies and fixed income securities such as bonds.

Participants also have the option to enroll in professional account management services through the Plan's recordkeeper for additional, separately charged fees.

4. Master Trust

Substantially all of the Plan's investments are held in the Master Trust, which was established for the investment of the Plan and other Caterpillar Inc. sponsored retirement plans. The Northern Trust Company is the Trustee of the Master Trust and the custodian for funds invested through the core investments and the TRFs (the funds invested through the core investments and the TRFs are referred to as the Master Trust herein). The Plan and the other Caterpillar Inc. sponsored retirement plans pool their investments in the Master Trust in exchange for a percentage of participation in the Master Trust. The Plan has a specific interest in the Master Trust.

The following table presents the net assets of the Master Trust and the Plan's interest in the net assets of the Master Trust as of December 31, 2021 and 2020.

(in thousands of dollars)	Master Trust		Plan's Interest in Master Trust	
	2021	2020	2021	2020
ASSETS				
Investments, at fair value				
Caterpillar Inc. common stock	\$ 2,573,289	\$ 2,398,869	\$ 104,016	\$ 100,142
Common stocks	2,933,878	2,441,862	32,152	26,597
Preferred stocks	21,752	21,580	298	281
Preferred corporate bonds and notes	16,358	23,472	339	458
Other corporate bonds and notes	921,255	845,294	19,065	16,424
U.S. government securities	594,003	680,591	12,214	13,218
Common collective trusts	7,020,525	6,057,135	113,128	98,950
Registered investment companies	1,416	1,195	17	13
Interest bearing cash	62,561	157,970	995	3,000
Other investments, net	218,751	179,445	3,315	2,739
	<u>14,363,788</u>	<u>12,807,413</u>	<u>285,539</u>	<u>261,822</u>
Investments, at contract value				
Fully benefit-responsive synthetic guaranteed investment contracts	795,621	832,144	30,605	32,700
Other assets				
Cash	3,600	2,518	66	34
Receivables for securities sold	74,272	129,479	1,369	2,186
Accrued income	18,336	17,066	314	278
	<u>96,208</u>	<u>149,063</u>	<u>1,749</u>	<u>2,498</u>
Total Master Trust assets	<u>15,255,617</u>	<u>13,788,620</u>	<u>317,893</u>	<u>297,020</u>
LIABILITIES				
Payables for securities purchased	(191,996)	(278,508)	(3,500)	(5,231)
Net Master Trust assets	<u>\$ 15,063,621</u>	<u>\$ 13,510,112</u>	<u>\$ 314,393</u>	<u>\$ 291,789</u>

The fully benefit-responsive synthetic guaranteed investment contracts are valued at contract value as described in the Investment Contracts section of Note 4. All other investments are stated at fair value and are valued as described below:

- Common and preferred stocks: Primarily valued at quoted market prices.
- Preferred and other corporate bonds and notes: Valued based on matrices or models from reputable pricing vendors and may be determined by factors which include, but are not limited to market quotations, yields, maturities, call features, ratings, institutional size trading in similar groups of securities and developments related to specific securities.
- U.S. government securities: Valued based on matrices or models from reputable pricing vendors.
- Common collective trusts: Primarily stated at net asset value ("NAV") of units held. The Plan's management elected the practical expedient to use NAV in measuring the fair value of the underlying investments.

- Registered investment companies: Valued at quoted market prices that represent the net asset value of shares held by the Master Trust.
- Interest bearing cash: Stated at cost which approximates fair value.
- Other investments, net: Primarily valued at quoted market prices, when available, or valued based on matrices or models from reputable pricing vendors.

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

The following tables summarize Master Trust investments measured at fair value based on NAV per share using the practical expedient, the unfunded commitments and redemption restrictions as of December 31, 2021 and 2020.

(in thousands of dollars)

December 31, 2021	Fair Value	Unfunded Commitments	Redemption Restrictions	Redemption Frequency (if currently eligible)	Redemption Notice Period
Common collective trusts:					
Stocks	\$5,645,366	—	None	Daily	None
Short-term investments	\$ 504,068	—	None	Daily	None
U.S. Government securities	\$ 827,298	—	None	Daily	None
Private placement - Mortgages	\$ 43,793	—	Yes ¹	Monthly ¹	Yes ¹

¹ Redemptions allowed once per month and are restricted to available cash on hand as determined by the trustee of the fund. A notice of redemptions required five days prior to the last business day of the month.

(in thousands of dollars)

December 31, 2020	Fair Value	Unfunded Commitments	Redemption Restrictions	Redemption Frequency (if currently eligible)	Redemption Notice Period
Common collective trusts:					
Stocks	\$4,669,624	—	None	Daily	None
Short-term investments	\$ 519,645	—	None	Daily	None
U.S. Government securities	\$ 830,711	—	None	Daily	None
Private placement - Mortgages	\$ 37,155	—	Yes ¹	Monthly ¹	Yes ¹

¹ Redemptions allowed once per month and are restricted to available cash on hand as determined by the trustee of the fund. A notice of redemptions required five days prior to the last business day of the month.

The following table presents the changes in net assets for the Master Trust for the year ended December 31, 2021.

<i>(in thousands of dollars)</i>	2021
Changes in Net Assets:	
Caterpillar Inc. common stock net appreciation (depreciation) in fair value of investments	\$ 327,035
Net appreciation (depreciation) in fair value of investments	1,326,390
Interest	68,322
Caterpillar Inc. common stock dividends	54,074
Dividends	50,139
Other income	4,533
Net investment income (loss)	1,830,493
Transfers, net ¹	(262,083)
Administrative expenses not directly allocated to the plans and other expenses ²	(14,901)
Increase (decrease) in net assets	1,553,509
Net assets	
Beginning of the year	13,510,112
End of the year	\$ 15,063,621

¹ Represents items recorded at the plan level such as contributions, benefit payments, plan transfers and plan specific administrative expenses.

² Primarily related to fees and expenses paid to professional money managers who manage the investment funds.

Investment Contracts

The Master Trust holds fixed income fully benefit-responsive investment contracts, referred to as synthetic guaranteed investment contracts ("synthetic GICs"), in which an investment contract is issued by an insurance company or a financial services institution (Metropolitan Life Insurance Company, Transamerica Premier Life Insurance Company and The Prudential Insurance Company of America). The Plan measures the synthetic GICs at contract value in the Plan's Interest in the Master Trust in the Statements of Net Assets Available for Benefits. The synthetic GICs, which are designed to help preserve principal and provide a stable crediting rate of interest, are fully benefit-responsive and provide that participant initiated withdrawals will be paid at contract value. The synthetic GICs are primarily backed by a portfolio of fixed income investments, which are effectively owned by the Plan. The assets underlying the synthetic GICs are maintained by a third party custodian, separate from the contract issuer's general assets. The synthetic GICs are obligated to provide an interest rate not less than zero. These contracts provide that realized and unrealized gains and losses of the underlying assets are not reflected immediately in the assets of the fund, but rather are amortized, usually over the duration of the underlying assets, through adjustments to the future interest crediting rate. The future interest crediting rate can be adjusted periodically and is primarily based on the current yield-to-maturity of the covered investments, plus or minus amortization of the difference between the market value and contract value of the covered investments over the duration of the covered investments at the time of computation. The issuers guarantee that all qualified participant withdrawals will occur at contract value. There are no reserves against contract value for credit risks of the contract issuers.

Employer initiated events, if material, may affect the underlying economics of the investment contracts. These events include plant closings, layoffs, plan termination, bankruptcy or reorganization, merger, early retirement incentive programs, tax disqualification of a trust or other events. The occurrence of one or more employer initiated events could limit the Plan's ability to transact at contract value with the issuers. Except for the employer initiated events above, the synthetic GICs do not permit the issuers to terminate the agreement prior to the scheduled maturity date at an amount different from contract value. As of December 31, 2021, the Company does not believe that the occurrence of an event that would limit the ability of the Plan to transact at contract value with the issuers is probable.

Fair Value Measurements

The guidance on fair value measurements defines fair value as the exchange price that would be received for an asset or paid to transfer a liability (an exit price) in the principal or most advantageous market for the asset or liability in an orderly transaction between market participants. This guidance also specifies a fair value hierarchy based upon the observability of inputs used in valuation techniques. Observable inputs (highest level) reflect market data obtained from independent sources, while unobservable inputs (lowest level) reflect internally-developed market assumptions. In accordance with this guidance, fair value measurements are classified under the following hierarchy:

- **Level 1** - Quoted prices for identical instruments in active markets.
- **Level 2** - Quoted prices for similar instruments in active markets; quoted prices for identical or similar instruments in markets that are not active; and model-derived valuations in which all significant inputs or significant value-drivers are observable in active markets.
- **Level 3** - Model-derived valuations in which one or more significant inputs or significant value-drivers are unobservable.

When available, quoted market prices are used to determine fair value and such measurements are classified within Level 1. In some cases where market prices are not available, observable market-based inputs are used to calculate fair value, in which case the measurements are classified within Level 2. If quoted or observable market prices are not available, fair value is based upon internally developed models that use, where possible, current market-based parameters such as interest rates, yield curves and currency rates. These measurements are classified within Level 3.

Fair value measurements are classified according to the lowest level input or value-driver that is significant to the valuation. A measurement may therefore be classified within Level 3 even though there may be significant inputs that are readily observable.

The availability of observable market data is monitored to assess the appropriate classification of financial instruments within the fair value hierarchy. Changes in economic conditions or model-based valuation techniques may require the transfer of financial instruments from one fair value level to another. In such instances, the transfer is reported at the end of the reporting period.

The significance of transfers between levels was evaluated based upon the nature of the financial instrument and size of the transfer relative to total net Master Trust assets. For the year ended December 31, 2021, there were no significant transfers into or out of Levels 1, 2 or 3.

Master Trust assets that are measured at fair value as of December 31, 2021 and 2020 are summarized below. Investments measured at net asset value per share using the practical expedient have not been classified in the fair value hierarchy, but are presented in order to permit reconciliation to the table that presents the net assets of the Master Trust.

<i>(in thousands of dollars)</i>	Fair Value Measurements as of December 31, 2021			
	Level 1	Level 2	Measured at NAV	Total
Stocks.....	\$ 5,524,041	\$ 4,878	\$ —	\$ 5,528,919
Corporate bonds and notes.....	—	937,613	—	937,613
U.S. government securities.....	—	594,003	—	594,003
Common collective trusts.....	—	—	7,020,525	7,020,525
Registered investment companies.....	1,416	—	—	1,416
Interest bearing cash.....	62,561	—	—	62,561
Other investments, net.....	126,037	92,714	—	218,751
Total assets.....	<u>\$ 5,714,055</u>	<u>\$ 1,629,208</u>	<u>\$ 7,020,525</u>	<u>\$ 14,363,788</u>

<i>(in thousands of dollars)</i>	Fair Value Measurements as of December 31, 2020			
	Level 1	Level 2	Measured at NAV	Total
Stocks	\$ 4,854,837	\$ 7,474	\$ —	\$ 4,862,311
Corporate bonds and notes	—	868,766	—	868,766
U.S. government securities	—	680,591	—	680,591
Common collective trusts	—	—	6,057,135	6,057,135
Registered investment companies	1,195	—	—	1,195
Interest bearing cash	157,970	—	—	157,970
Other investments, net	89,847	89,598	—	179,445
Total assets	<u>\$ 5,103,849</u>	<u>\$ 1,646,429</u>	<u>\$ 6,057,135</u>	<u>\$ 12,807,413</u>

Within the Master Trust, certain investment managers may use derivative financial instruments to meet fund objectives and manage exposure to foreign currency, interest rate and market fluctuations. The following is a description of the types of derivative contracts the Master Trust may use:

- Credit contracts: Credit default swaps are used to manage exposure to credit risk. A credit default swap is a contract in which, for a fee, a protection seller agrees to pay a protection buyer an amount resulting from a credit event on a reference entity. If there is no credit default event or settlement trigger, as defined by the contract, then the protection seller makes no payment to the protection buyer and receives only the contractually specified fee. However, if a credit event occurs, the protection seller will be required to make a payment to the protection buyer.
- Equity contracts: Equity index futures contracts are used by investment managers to invest excess cash into equity benchmarks, such as the MSCI EAFE (developing countries), S&P 500 and S&P MidCap 400. These contracts are settled in cash daily. Investment managers may also invest in equity rights and warrants which gives the holder the right to purchase securities from the issuer at a specific price within a certain time frame.
- Foreign exchange contracts: Foreign currency exchange rate movements create a degree of risk by affecting the U.S. dollar value of instruments denominated in foreign currencies. Forward contracts are used by investment managers to manage foreign exchange rate risks associated with certain investments. These contracts are presented gross (buy side of the contract as a receivable and sell side of the contract as a payable) in the table that presents the net assets of the Master Trust.
- Interest rate contracts: Interest rate movements create a degree of risk by affecting the amount of interest payments and the value of debt instruments. Investment managers use interest rate swaps, total return swaps, futures contracts, options and swaptions to manage interest rate risk.

The fair value of these derivative contracts are included in Other investments, net, Receivables for securities sold and Payables for securities purchased in the tabular presentation of the Net Master Trust assets. The related appreciation (depreciation) is included in Net appreciation (depreciation) in fair value of investments in the tabular presentation of the Net investment income (loss) of the Master Trust. As of December 31, 2021 and 2020, the fair value of these derivative financial instruments was \$1.7 million and \$6.0 million, respectively. In 2021, the effect of these derivatives on Net investment income (loss) of the Master Trust was net income of \$10.4 million, which is primarily related to equity contracts and interest rate contracts.

Participant Directed Brokerage Accounts

The participant directed brokerage account Plan assets are not included in the Master Trust and are primarily related to investments in common stock. The participant directed brokerage account assets that are measured at fair value as of December 31, 2021 and 2020 are summarized below:

Participant directed brokerage accounts (in thousands of dollars)	Fair Value Measurements as of December 31	
	2021	2020
Level 1	\$ 16,609	\$ 11,532
Level 2	795	1,647
Total assets	<u>\$ 17,404</u>	<u>\$ 13,179</u>

5. Related-Parties and Parties in Interest

The Trustee is authorized, under contract provisions and by exemption under 29 CFR 408(b) of ERISA regulations, to invest in securities under its control and in securities of Caterpillar Inc.

The investment options available to the participants, as summarized in Note 3, include the Caterpillar Stock Fund (related-party and party in interest). The Master Trust also invests in the U.S. Large Cap Equity Index Fund, U.S. Small/Mid Cap Equity Index Fund, International Equity Index Fund, Money Market Fund, and the Bond Index Fund, which are sponsored and managed by The Northern Trust Company, the Trustee for the Master Trust.

The Northern Trust Company also invests excess cash in equitization accounts and manages liquidity pools for the actively managed investment funds. The custodian of the funds invested in the participant directed brokerage option is Pershing, a division of BNY Mellon, which currently provides third party administrative and other plan related services to the Plan on behalf of Alight Financial Solutions. These transactions, and related fees, as well as participant loans, qualify as exempt party in interest transactions.

6. Reconciliation of Financial Statements to Form 5500

The following table reconciles the Net assets available for benefits per the audited financial statements to the Form 5500 Annual Report:

(in thousands of dollars)	2021	2020
Net assets available for benefits per financial statements	\$ 339,976	\$ 313,747
Certain deemed distributions of participant loans	(521)	(570)
Adjustment from contract value to fair value for fully benefit-responsive synthetic guaranteed investment contracts	359	1,178
Net assets per Form 5500	<u>\$ 339,814</u>	<u>\$ 314,355</u>

The following table reconciles the Plan's Net increase (decrease) in net assets available for benefits per the audited financial statements to the Form 5500 Annual Report:

<i>(in thousands of dollars)</i>	2021
Plan's Net increase (decrease) in net assets available for benefits per financial statements	\$ 26,229
Change in certain deemed distributions of participant loans	49
Change in adjustment from contract value to fair value for fully benefit-responsive synthetic guaranteed investment contracts	(819)
Net income (loss) per Form 5500	\$ 25,459

Supplemental Schedule

Solar Savings and Investment Plan

EIN 95-3621514

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

December 31, 2021

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor or similar party	Description of investment, including maturity date, rate of interest, collateral, par or maturity value	Cost	Current value
*	Plan's interest in the Caterpillar Investment Trust....	Master Trust – at fair value.....	**	\$ 314,751,710
*	Solar Savings & Investment Plan Self Directed Brokerage - Alight Financial Solutions.....	Participant directed brokerage accounts	**	17,404,130
*	Notes receivable from participants	Participant loans net of deemed distributions (various maturity dates through June 20, 2031, various interest rates ranging from 4.25% to 6.50%)	—	5,598,218
		Total Investments.....		<u>\$ 337,754,058</u>

* Denotes party in interest.

** Cost information is not applicable for participant directed investments.

Form 5500Department of the Treasury
Internal Revenue ServiceDepartment 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**Part I Annual Report Identification Information**

For calendar plan year 2021 or fiscal plan year beginning 01/01/2021 and ending 12/31/2021

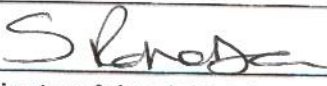
- A** This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)
- ☒ a single-employer plan ☐ a DFE (specify) _____
- B** This return/report is: ☐ the first return/report ☐ the final return/report
- ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
- C** If the plan is a collectively-bargained plan, check here. ☒
- D** Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program
- ☐ special extension (enter description) _____
- E** If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ☐

Part II Basic Plan Information—enter all requested information

1a Name of plan SOLAR SAVINGS AND INVESTMENT PLAN	1b Three-digit plan number (PN) ▶ 013
	1c Effective date of plan 01/01/1985
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) SOLAR TURBINES INCORPORATED 2200 PACIFIC HIGHWAY SAN DIEGO CA 92101	2b Employer Identification Number (EIN) 95-3621514
	2c Plan Sponsor's telephone number 619-544-5407
	2d Business code (see instructions) 333610

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		7/6/2022	STEPHEN ROBERTSON
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2021)
v. 201209

3a Plan administrator's name and address ☐ Same as Plan Sponsor CATERPILLAR INC. CHIEF HUMAN RESOURCES OFFICER, HUMAN RESOURCES 510 LAKE COOK RD. DEERFIELD IL 60015	3b Administrator's EIN 36-0602744 3c Administrator's telephone number 224-551-4000
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 1,512
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year..... a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 999 6a(2) 1,181 6b 0 6c 457 6d 1,638 6e 55 6f 1,693 6g 1,693 6h 20
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item).....	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2F 2G 2J 2K 2O 2R 2S 2T 3F 3H b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	
9a Plan funding arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor	9b Plan benefit arrangement (check all that apply) (1) ☐ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)	
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☐ A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

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

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

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

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

11c Enter the Receipt Confirmation Code for the 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 _____

Solar Savings and Investment Plan

EIN 95-3621514

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

December 31, 2021

(a)	(b)	(c)	(d)	(e)
	Identity of issue, borrower, lessor or similar party	Description of investment, including maturity date, rate of interest, collateral, par or maturity value	Cost	Current value
*	Plan's interest in the Caterpillar Investment Trust....	Master Trust – at fair value.....	**	\$ 314,751,710
*	Solar Savings & Investment Plan Self Directed Brokerage - Alight Financial Solutions.....	Participant directed brokerage accounts	**	17,404,130
*	Notes receivable from participants	Participant loans net of deemed distributions (various maturity dates through June 20, 2031, various interest rates ranging from 4.25% to 6.50%)	—	5,598,218
		Total Investments.....		<u>\$ 337,754,058</u>

* Denotes party in interest.

** Cost information is not applicable for participant directed investments.