

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 2023 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must provide participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____ ☐ 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 GINKGO 401(K) PLAN
1b	Three-digit plan number (PN) ▶ 001
1c	Effective date of plan 01/01/2016
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) GINKGO BIOWORKS, INC. 27 DRYDOCK AVE 8TH FLOOR BOSTON, MA 02210-2383
2b	Employer Identification Number (EIN) 26-3118890
2c	Plan Sponsor's telephone number 877-422-5362
2d	Business code (see instructions) 311900

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

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

SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2024	YANIQUE SEWELL
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2024	YANIQUE SEWELL
	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

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN 4d PN
5 Total number of participants at the beginning of the plan year	5 1183
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(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) 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) 1062 6a(2) 1126 6b 0 6c 130 6d 1256 6e 0 6f 1256 6g(1) 1163 6g(2) 1225 6h 44
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:

2A 2E 2F 2G 2J 2K 2S 2T 3D 3H

b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:

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

a Pension Schedules

- (1) ☒ **R** (Retirement Plan Information)
- (2) ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3) ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary
- (4) ☐ **DCG** (Individual Plan Information) – Number Attached 0
- (5) ☐ **MEP** (Multiple-Employer Retirement Plan Information)

b General Schedules

- (1) ☒ **H** (Financial Information)
- (2) ☐ **I** (Financial Information – Small Plan)
- (3) ☒ **A** (Insurance Information) – Number Attached 1
- (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 2023 Form M-1 annual report. If the plan was not required to file the 2023 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 A (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Insurance 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. ▶ Insurance companies are required to provide the information pursuant to ERISA section 103(a)(2).	OMB No. 1210-0110 2023 This Form is Open to Public Inspection
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan GINKGO 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 GINKGO BIOWORKS, INC.	D Employer Identification Number (EIN) 26-3118890	

Part I	Information Concerning Insurance Contract Coverage, Fees, and Commissions	Provide information for each contract on a separate Schedule A. Individual contracts grouped as a unit in Parts II and III can be reported on a single Schedule A.
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1 Coverage Information:

(a) Name of insurance carrier
PRINCIPAL LIFE INSURANCE COMPANY

(b) EIN	(c) NAIC code	(d) Contract or identification number	(e) Approximate number of persons covered at end of policy or contract year	Policy or contract year	
				(f) From	(g) To
42-0127290	61271	720415	1256	01/01/2023	12/31/2023

2 Insurance fee and commission information. Enter the total fees and total commissions paid. List in line 3 the agents, brokers, and other persons in descending order of the amount paid.

(a) Total amount of commissions paid	(b) Total amount of fees paid
0	0

3 Persons receiving commissions and fees. (Complete as many entries as needed to report all persons).

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	

Part II Investment and Annuity Contract Information

Where individual contracts are provided, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

4 Current value of plan's interest under this contract in the general account at year end	4	0
5 Current value of plan's interest under this contract in separate accounts at year end.....	5	3375066

6 Contracts With Allocated Funds:**a** State the basis of premium rates ▶**b** Premiums paid to carrier**6b****c** Premiums due but unpaid at the end of the year.....**6c****d** If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, enter amount.**6d**

Specify nature of costs ▶

e Type of contract: (1) ☐ individual policies (2) ☐ group deferred annuity(3) ☐ other (specify) ▶**f** If contract purchased, in whole or in part, to distribute benefits from a terminating plan, check here ☐**7** Contracts With Unallocated Funds (Do not include portions of these contracts maintained in separate accounts)**a** Type of contract: (1) ☐ deposit administration (2) ☐ immediate participation guarantee(3) ☐ guaranteed investment (4) ☐ other ▶**b** Balance at the end of the previous year**7b****c** Additions: (1) Contributions deposited during the year**7c(1)**

(2) Dividends and credits

7c(2)

(3) Interest credited during the year

7c(3)

(4) Transferred from separate account.....

7c(4)

(5) Other (specify below)

7c(5)

▶

(6) Total additions.....

7c(6)**d** Total of balance and additions (add lines **7b** and **7c(6)**)**7d****e** Deductions:

(1) Disbursed from fund to pay benefits or purchase annuities during year

7e(1)

(2) Administration charge made by carrier

7e(2)

(3) Transferred to separate account.....

7e(3)

(4) Other (specify below)

7e(4)

▶

(5) Total deductions.....

7e(5)**f** Balance at the end of the current year (subtract line **7e(5)** from line **7d**)**7f****0**

Part III Welfare Benefit Contract Information

If more than one contract covers the same group of employees of the same employer(s) or members of the same employee organizations(s), the information may be combined for reporting purposes if such contracts are experience-rated as a unit. Where contracts cover individual employees, the entire group of such individual contracts with each carrier may be treated as a unit for purposes of this report.

8 Benefit and contract type (check all applicable boxes)

- a** ☐ Health (other than dental or vision)
 b ☐ Dental
 c ☐ Vision
 d ☐ Life insurance
e ☐ Temporary disability (accident and sickness)
 f ☐ Long-term disability
 g ☐ Supplemental unemployment
 h ☐ Prescription drug
i ☐ Stop loss (large deductible)
 j ☐ HMO contract
 k ☐ PPO contract
 l ☐ Indemnity contract
m ☐ Other (specify) ▶

9 Experience-rated contracts:

a Premiums: (1) Amount received	9a(1)		
(2) Increase (decrease) in amount due but unpaid.....	9a(2)		
(3) Increase (decrease) in unearned premium reserve	9a(3)		
(4) Earned ((1) + (2) - (3)).....		9a(4)	
b Benefit charges (1) Claims paid.....	9b(1)		
(2) Increase (decrease) in claim reserves	9b(2)		
(3) Incurred claims (add (1) and (2)).....		9b(3)	
(4) Claims charged		9b(4)	
c Remainder of premium: (1) Retention charges (on an accrual basis) --			
(A) Commissions	9c(1)(A)		
(B) Administrative service or other fees	9c(1)(B)		
(C) Other specific acquisition costs	9c(1)(C)		
(D) Other expenses	9c(1)(D)		
(E) Taxes	9c(1)(E)		
(F) Charges for risks or other contingencies.....	9c(1)(F)		
(G) Other retention charges	9c(1)(G)		
(H) Total retention		9c(1)(H)	
(2) Dividends or retroactive rate refunds. (These amounts were ☐ paid in cash, or ☐ credited.).....		9c(2)	
d Status of policyholder reserves at end of year: (1) Amount held to provide benefits after retirement		9d(1)	
(2) Claim reserves		9d(2)	
(3) Other reserves.....		9d(3)	
e Dividends or retroactive rate refunds due. (Do not include amount entered in line 9c(2).)		9e	

10 Nonexperience-rated contracts:

a Total premiums or subscription charges paid to carrier	10a	
b If the carrier, service, or other organization incurred any specific costs in connection with the acquisition or retention of the contract or policy, other than reported in Part I, line 2 above, report amount	10b	

Specify nature of costs.

Part IV Provision of Information

11 Did the insurance company fail to provide any information necessary to complete Schedule A?..... ☐ Yes ☒ No

12 If the answer to line 11 is "Yes," specify the information not provided. ▶

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
		2023
		This Form is Open to Public Inspection.

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan GINKGO 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 GINKGO BIOWORKS, INC.	D Employer Identification Number (EIN) 26-3118890	

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
PRINCIPAL LIFE INSURANCE COMPANY
42-0127290

(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)

PRINCIPAL LIFE INSURANCE COMPANY

42-0127290

(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 37 50 64	CONTRACT ADMINISTRATOR	17429	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

WILSHIRE ADVISORS LLC

95-2755361

(b) Service Code(s)	(c) Relationship to employer, employee organization, or person known to be a party-in-interest	(d) Enter direct compensation paid by the plan. If none, enter -0-.	(e) Did service provider receive indirect compensation? (sources other than plan or plan sponsor)	(f) Did indirect compensation include eligible indirect compensation, for which the plan received the required disclosures?	(g) Enter total indirect compensation received by service provider excluding eligible indirect compensation for which you answered "Yes" to element (f). If none, enter -0-.	(h) Did the service provider give you a formula instead of an amount or estimated amount?
27 72	INVESTMENT ADVISORY	0	Yes ☒ No ☐	Yes ☐ No ☒	0	Yes ☒ No ☐

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

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

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
WILSHIRE ADVISORS LLC	27 72	0
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
PRINCIPAL LIFE INSURANCE COMPANY 42-0127290	1 BASIS POINT ANNUALLY ON ELIGIBLE PLAN ASSETS IN WILSHIRE 3(21) OR WILSHIRE 3(21) AUTO-EXECUTE FIDUCIARY SERVICE.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.	

Part II Service Providers Who Fail or Refuse to Provide Information

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

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

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

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	OMB No. 1210-0110 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023

A Name of plan <u>GINKGO 401(K) PLAN</u>	B Three-digit plan number (PN) ▶	<u>001</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>GINKGO BIOWORKS, INC.</u>	D Employer Identification Number (EIN) <u>26-3118890</u>	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN INTL SMALLCAP SEP ACCT-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN <u>42-0127290-014</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>181087</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SMCAP S&P 600 INDEX SA-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN <u>42-0127290-028</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1617593</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN MIDCAP S&P 400 IDX SA-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN <u>42-0127290-023</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>1199936</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SAM BALANCED SEP ACCT-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN <u>42-0127290-105</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>0</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SAM CONS BALANCED SA-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN <u>42-0127290-106</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>0</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SAM CONS GROWTH SA-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN <u>42-0127290-107</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>0</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SAM FLEXIBLE INCOME SA-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN <u>42-0127290-108</u>	d Entity code <u>P</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>0</u>
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SAM STRAT GROWTH SA-Z		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-109	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 0

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYB 2015 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-002	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 45153

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYB 2020 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-003	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 310934

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYB 2025 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-004	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1381874

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HYB 2030 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-005	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 2730146

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HB 2035 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-006	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 5686046

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HB 2040 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-007	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 4821470

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HB 2045 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-008	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 7401826

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HY 2050 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-009	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 11395993

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HY 2055 CIT U		
b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO		
c EIN-PN 26-6447574-010	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 10383354

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN EQUITY INCOME SA-Z

b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY

c EIN-PN 42-0127290-120	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 376450
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HY 2060 CIT U

b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

c EIN-PN 26-6447574-012	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 6172269
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRINCIPAL STABLE VALUE Z FUND

b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

c EIN-PN 93-6274328-001	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 849469
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME HY 2065 CIT U

b Name of sponsor of entity listed in (a): PRINCIPAL GLOBAL INVESTORS TRUST CO

c EIN-PN 26-6447574-013	d Entity code C	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1023595
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a Name of MTIA, CCT, PSA, or 103-12 IE:

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

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

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

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

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

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

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

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

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

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

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

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

c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
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Part II Information on Participating Plans (to be completed by DFEs, other than DCGs)

(Complete as many entries as needed to report all participating plans. DCGs must report each participating plan using Schedule DCG.)

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

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
		2023
		This Form is Open to Public Inspection

For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan GINKGO 401(K) PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 GINKGO BLOWWORKS, INC.	D Employer Identification Number (EIN) 26-3118890	

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

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions	1b(1)	490	321473
(2) Participant contributions	1b(2)		483296
(3) Other	1b(3)		
c General investments:			
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1)		
(2) U.S. Government securities	1c(2)		
(3) Corporate debt instruments (other than employer securities):			
(A) Preferred	1c(3)(A)		
(B) All other	1c(3)(B)		
(4) Corporate stocks (other than employer securities):			
(A) Preferred	1c(4)(A)		
(B) Common	1c(4)(B)		
(5) Partnership/joint venture interests	1c(5)		
(6) Real estate (other than employer real property)	1c(6)		
(7) Loans (other than to participants)	1c(7)		
(8) Participant loans	1c(8)	288676	611429
(9) Value of interest in common/collective trusts	1c(9)	727389	52202129
(10) Value of interest in pooled separate accounts	1c(10)	32348596	3375066
(11) Value of interest in master trust investment accounts	1c(11)		
(12) Value of interest in 103-12 investment entities	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13)	17374118	29567294
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14)		
(15) Other	1c(15)		

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities	1d(1)		
(2) Employer real property	1d(2)		
e Buildings and other property used in plan operation	1e		
f Total assets (add all amounts in lines 1a through 1e)	1f	50739269	86560687
Liabilities			
g Benefit claims payable	1g		
h Operating payables	1h		
i Acquisition indebtedness	1i		
j Other liabilities	1j		
k Total liabilities (add all amounts in lines 1g through 1j)	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f)	1l	50739269	86560687

Part II Income and Expense Statement

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

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	7797308	
(B) Participants	2a(1)(B)	14512615	
(C) Others (including rollovers)	2a(1)(C)	5333433	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		27643356
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)	21944	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		21944
(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)	451441	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		451441
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts.....	2b(6)		2170453
(7) Net investment gain (loss) from pooled separate accounts.....	2b(7)		5076666
(8) Net investment gain (loss) from master trust investment accounts.....	2b(8)		
(9) Net investment gain (loss) from 103-12 investment entities.....	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)		4240619
c Other income	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		39604479

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	3751772	
(2) To insurance carriers for the provision of benefits.....	2e(2)		
(3) Other	2e(3)	3000	
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		3754772
f Corrective distributions (see instructions)	2f		10860
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses:			
(1) Salaries and allowances	2i(1)		
(2) Contract administrator fees.....	2i(2)	17429	
(3) Recordkeeping fees.....	2i(3)		
(4) IQPA audit fees.....	2i(4)		
(5) Investment advisory and investment management fees	2i(5)		
(6) Bank or trust company trustee/custodial fees	2i(6)		
(7) Actuarial fees	2i(7)		
(8) Legal fees	2i(8)		
(9) Valuation/appraisal fees	2i(9)		
(10) Other trustee fees and expenses	2i(10)		
(11) Other expenses	2i(11)		
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)		17429
j Total expenses. Add all expense amounts in column (b) and enter total	2j		3783061

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		35821418
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: **GRAY, GRAY, & GRAY LLP**

(2) EIN: **04-2088836**

d The opinion of an independent qualified public accountant is **not attached** as part of Schedule H because:

(1) ☐ This form is filed for a CCT, PSA, DCG 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. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

	Yes	No	Amount
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.)	☒	☐	505385
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.)	☐	☒	
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.)	☐	☒	
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.)	☐	☒	
e Was this plan covered by a fidelity bond?	☒	☐	1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	☐	☒	
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?	☐	☒	
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?	☐	☒	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	☒	☐	
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.)	☐	☒	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	☐	☒	
l Has the plan failed to provide any benefit when due under the plan?	☐	☒	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	☐	☒	
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.	☐	☐	

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 2023 This Form is Open to Public Inspection.
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For calendar plan year 2023 or fiscal plan year beginning 01/01/2023 and ending 12/31/2023		
A Name of plan GINKGO 401(K) PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 GINKGO BIOWORKS, INC.	D Employer Identification Number (EIN) 26-3118890	

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

1	Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....	1	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): 42-0127290		
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.)
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4	Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?	☐ Yes	☐ No	☐ N/A
If the plan is a defined benefit plan, go to line 8.				
5	If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.			
6	a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a		
	b Enter the amount contributed by the employer to the plan for this plan year	6b		
	c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount)	6c		
If you completed line 6c, skip lines 8 and 9.				
7	Will the minimum funding amount reported on line 6c be met by the funding deadline?	☐ Yes	☐ No	☐ N/A
8	If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?	☐ Yes	☐ No	☐ N/A

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

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

13 Enter the following information for each employer that (1) contributed more than 5% of total contributions to the plan during the plan year or (2) was one of the top-ten highest contributors (measured in dollars). See instructions. *Complete as many entries as needed to report all applicable employers.*

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
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
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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) and (b):	
a Enter the percentage of plan assets held as: Public Equity: _____% Private Equity: _____% Investment-Grade Debt and Interest Rate Hedging Assets: _____% High-Yield Debt: _____% Real Assets: _____% Cash or Cash Equivalents: _____% Other: _____%	
b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets: ☐ 0-5 years ☐ 5-10 years ☐ 10-15 years ☐ 15 years or more	
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. _____	

Part VII	IRS Compliance Questions
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21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? ☐ Yes ☒ No	
21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).	
☐ Design-based safe harbor method	
☐ "Prior year" ADP test	
☒ "Current year" ADP test	
☐ N/A	
22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter <u>06 / 30 / 2020</u> (MM/DD/YYYY) and the Opinion Letter serial number <u>Q702476A</u> .	

GINKGO 401(K) PLAN

Financial Statements and Supplemental Schedules
With Independent Auditor's Report

December 31, 2023

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NOTIFICATION TO THIRD PARTY USERS OF THIS REPORT

This report was prepared subject to the terms and conditions set forth in an engagement letter. By relying upon this report, all users shall be deemed to agree to the terms and conditions of that engagement letter. Users intending to rely upon this report should contact the issuer to obtain a copy of its applicable terms and conditions. This report is intended for the exclusive use of the clients of the issuer and others to whom the issuer has expressly granted consent.

GINKGO 401(K) PLAN

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Note: Other schedules required by Section 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 (ERISA) have been omitted because they are not applicable.

INDEPENDENT AUDITOR'S REPORT

To the Trustees
Ginkgo 401(k) Plan

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

We have performed audits of the accompanying financial statements of **Ginkgo 401(k) Plan**, an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), as permitted by ERISA Section 103(a)(3)(C) [ERISA Section 103(a)(3)(C) audit]. The financial statements comprise the statements of net assets available for benefits as of December 31, 2023 and 2022, and the related statement of changes in net assets available for benefits for the year ended December 31, 2023, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audit of **Ginkgo 401(k) Plan's** financial statements performed in accordance with ERISA Section 103(a)(3)(C) pursuant to 29 CFR 2520.103-8 of the Department of Labor's Rules ("DOL") and Regulations for Reporting and Disclosure under ERISA. As permitted by ERISA Section 103(a)(3)(C), our audits need not extend to any statements or information related to assets held for investment of the Plan (investment information) by a bank or similar institution or insurance carrier that is regulated, supervised, and subject to periodic examination by a state or federal agency, provided that the statements or information regarding assets so held are prepared and certified to by the bank or similar institution or insurance carrier in accordance with 29 CFR 2520.103-5 of the DOL's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

Management has obtained certifications from a qualified institution as of December 31, 2023 and 2022, and for the year ended December 31, 2023, stating that the certified investment information, as described in Note 7 to the financial statements, is complete and accurate.

Opinion

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

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

Basis for Opinion

We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Our responsibilities under those standards are further described in the Auditor's Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of **Ginkgo 401(k) Plan** and to meet our other ethical responsibilities in accordance with the relevant ethical requirements relating to our audits. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our ERISA Section 103(a)(3)(C) audit opinion.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error. Management's election of the ERISA Section 103(a)(3)(C) audit does not affect management's responsibility for the financial statements.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about **Ginkgo 401(k) Plan's** ability to continue as a going concern for one year after the date the financial statements are available to be issued.

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

Auditor's Responsibilities for the Audit of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audit section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with generally accepted auditing standards 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 generally accepted auditing standards, 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 **Ginkgo 401(k) 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 **Ginkgo 401(k) Plan's** ability to continue as a going concern for a reasonable period of time.

Our audits did not extend to the certified investment information, except for obtaining and reading the certification, comparing the certified investment information with the related information presented and disclosed in the financial statements, and reading the disclosures relating to the certified investment information to assess whether they are in accordance with the presentation and disclosure requirements of accounting principles generally accepted in the United States of America.

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

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

Other Matter – Supplemental Schedules Required by ERISA

The supplemental schedules of assets (held at year end) and delinquent participant contributions as of December 31, 2023, are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the DOL's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from, and relates directly to, the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental schedules, other than that agreed to, or derived from, the certified investment information, has been subjected to auditing procedures applied in the audits 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 generally accepted auditing standards. For information included in the supplemental schedules that agreed to, or is derived from, the certified investment information, we compared such information to the related certified investment information.

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

In our opinion—

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

GRAY, GRAY & GRAY, LLP

Gray, Gray & Gray, LLP

Canton, MA
October 7, 2024

GINKGO 401(k) PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
December 31, 2023 and 2022

	2023	2022
ASSETS		
Investments, at fair value:		
Pooled separate accounts	\$ 3,375,066	\$ 32,348,596
Mutual funds	29,567,294	17,374,118
Common/collective trusts	<u>52,202,129</u>	<u>727,389</u>
TOTAL INVESTMENTS, AT FAIR VALUE	<u>85,144,489</u>	<u>50,450,103</u>
Receivables:		
Participant contributions receivable	483,296	-
Employer contributions receivable	321,473	490
Notes receivable from participants	<u>611,429</u>	<u>288,676</u>
TOTAL RECEIVABLES	<u>1,416,198</u>	<u>289,166</u>
NET ASSETS AVAILABLE FOR BENEFITS	<u><u>\$ 86,560,687</u></u>	<u><u>\$ 50,739,269</u></u>

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

GINKGO 401(k) PLAN
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
Year Ended December 31, 2023

ADDITIONS

Investment income:

Net appreciation in fair value of investments \$ 11,381,936

Interest and dividend income 557,243

TOTAL INVESTMENT INCOME 11,939,179

Interest earned on notes receivable from participants 21,944

Contributions:

Participant contributions 14,512,615

Employer contributions 7,797,308

Rollover contributions 5,333,433

TOTAL CONTRIBUTIONS 27,643,356

TOTAL ADDITIONS 39,604,479

DEDUCTIONS

Benefit payments to participants 3,765,632

Administrative fees 17,429

TOTAL DEDUCTIONS 3,783,061

NET INCREASE 35,821,418

NET ASSETS AVAILABLE FOR BENEFITS

Beginning of year 50,739,269

End of year \$ 86,560,687

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

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 1: DESCRIPTION OF PLAN

The following description of the Ginkgo 401(k) Plan (the “Plan”) provides only general information. Participants should refer to the Plan agreement for a more complete description of the Plan’s provisions.

General: The Plan is a defined-contribution plan established on January 1, 2016, covering substantially all employees of Ginkgo Bioworks, Inc. (the “Company”). The Plan is subject to the Employee Retirement Income Security Act of 1974 (“ERISA”).

Participant Contributions: Participants may contribute an amount up to the maximum allowable limit set by the Internal Revenue Code (“IRC”) each year. Participants who have attained the age of 50 before the end of the Plan year are eligible to make catch-up contributions. The Plan allows some, or all, of the participants’ contributions to be designated as after-tax, Roth deferral contributions. Participants may also contribute amounts representing distributions from other qualified plans. Unless directed otherwise by the participant, upon becoming eligible to participate in the Plan, 6% of a participant’s eligible compensation will be contributed to the Plan.

Company Contributions: The Company makes a non-elective safe harbor contribution to all eligible participants equal to 5% of eligible compensation. Safe harbor contributions totaled \$8,287,375 for the year ended December 31, 2023. Forfeitures amounting to \$490,067 were utilized to offset these Company contributions during the year ended December 31, 2023.

The Company is also permitted to make discretionary employer contributions, but no such contributions were made for the year ended December 31, 2023.

Participant Accounts: Each participant’s account is credited with the participant’s contributions, the Company’s contributions, and Plan earnings (losses) and is charged with an allocation of administrative expenses. Allocations are based on participant earnings, account balances, or specific transactions, as defined. The benefit to which a participant is entitled is the benefit that can be provided from the participant’s vested account balance.

Investment Options: Participants direct the investment of contributions into various investment options offered by the Plan.

Vesting: Participants are immediately 100% vested in their voluntary contributions, employer discretionary contributions and profit-sharing contributions plus the investment earnings thereon. Company safe harbor contributions and related earnings are subject to a vesting schedule based on the number of years of service as follows:

<u>Years of Service</u>	<u>Vested Percentage</u>
Less than 2 years	0%
2 years or more	100%

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 1: DESCRIPTION OF PLAN (CONTINUED)

Participants' interest in their accounts shall become 100% vested and non-forfeitable without regard to their credited years of service if they are employed by the Company on or after age 65, incur a permanent and total disability or die while employed by the Company. If a participant who is not fully vested terminates employment with the Company, the participant shall be entitled to the vested portion of their account.

Notes Receivable from Participants: Effective April 2021, participants are permitted to request loans from their accounts. Participants may borrow a minimum of \$1,000 and a maximum of the lesser of 50% of their vested account balance or \$50,000. Interest rates on these loans must bear a reasonable rate of interest and the interest rates for outstanding loans currently are at 3.25%-8.50%, as of December 31, 2023. Loans must be repaid within five years unless the loan is taken for the purchase of a primary residence. Participants repay principal and interest through payroll deductions. If participants terminate or retire, they will have the choice of repaying the loan or having the loan offset from their account. The offset loan amount will be considered a taxable distribution.

Payment of Benefits: Upon termination of service due to death, disability, retirement, or other reasons, a participant may elect to receive a lump-sum amount equal to the value of the participant's vested interest in his or her account. An automatic distribution is made for terminated participants with vested account balances below \$5,000.

A participant may also request a withdrawal upon attainment of age 59½, or upon demonstration by the participant to the Plan Administrator that the participant is suffering from a hardship, as defined in the Plan document.

Forfeitures: Forfeited non-vested accounts will be used to reduce future Company contributions or to pay administrative fees. As of December 31, 2023 and 2022, forfeited non-vested accounts totaled \$0 and \$0, respectively. During 2023, the Plan used \$490,067 in forfeited non-vested accounts to offset Company contributions.

NOTE 2: 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 ("GAAP"). The financial statements and supplemental schedules have been prepared to satisfy the reporting and disclosure requirements of ERISA.

Investment Valuation and Income Recognition: Investments are reported at fair value. Fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. The Plan's management determines the Plan's valuation policies utilizing information provided by the investment advisers, trustees, and other parties involved with the Plan. See Note 6 for discussion of fair value measurements.

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 2: SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

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

Use of Estimates: The preparation of financial statements in conformity with GAAP requires Plan 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 estimates.

Payment of Benefits: Benefits paid to participants are recorded when paid.

Notes Receivable from Participants: Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Delinquent participant loans are reclassified as distributions based upon the terms of the Plan document. No allowance for credit losses has been recorded as of December 31, 2023 and 2022. If a participant ceases to make loan repayments and the Plan Administrator deems the participant loan to be in default, the participant loan balance is reduced, and a benefit payment is recorded.

Administrative Fees: Certain expenses for maintaining the Plan are paid by the Plan, unless otherwise paid by the Company. Expenses that are paid by the Company are excluded from these financial statements. Fees related to the administration of notes receivable from participants are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in net appreciation in fair value of investments.

Plan Termination: Although it has not expressed any intent to do so, the Company has the right to terminate the Plan at any time subject to the provisions of ERISA. In the event of Plan termination, all participants will become 100% vested in their accounts.

Uncertain Tax Positions: GAAP requires Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more-likely-than-not would not be sustained upon examination. The Plan Administrator has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2023, there are no uncertain positions taken or expected to be taken that would require recognition of a liability (or asset) or disclosure in the financial statements. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress. The Plan Administrator believes it is no longer subject to income tax examinations for years prior to 2020.

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 3: INCOME TAX STATUS

On June 30, 2020, the Internal Revenue Service ("IRS") stated that the prototype adopted by the Plan, as then designed, was in compliance with the applicable sections of the IRC. The Plan has not received a determination letter specific to the Plan itself and the Plan has been amended since the latest determination letter; however, the Plan Administrator believes that the Plan is designed and is currently being operated in compliance with the applicable requirements of the IRC. Therefore, no provision for income taxes has been included in the Plan's financial statements.

NOTE 4: RISKS AND UNCERTAINTIES

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

NOTE 5: RELATED PARTY TRANSACTIONS AND PARTY-IN-INTEREST TRANSACTIONS

Principal provides brokerage services and serves as custodian for all investments in the Plan. Transactions with Principal qualify as party-in-interest transactions and are exempt from prohibited transaction rules.

NOTE 6: FAIR VALUE MEASUREMENTS

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

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

Level 2 - inputs to the valuation methodology include:

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

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 6: FAIR VALUE MEASUREMENTS (CONTINUED)

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

Level 3 - inputs to the valuation methodologies are unobservable and significant to the fair value measurement.

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

The following is a description of the valuation methodology used for assets measured at fair value. There has been no change in the methodology used at December 31, 2023 and 2022.

Pooled separate accounts: Valued at the unit value based on the net asset value ("NAV") of the underlying mutual fund at year end. The NAV, as provided by the fund manager, is used as the practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient would not be used if it is determined to be probable that the fund will sell the investment for an amount different from the reported NAV. Investments in pooled separate accounts are redeemable daily with no notice period and have no unfunded commitments.

Mutual funds: Valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-ended mutual funds that are registered with the Securities and Exchange Commission (SEC). These funds are required to publish their daily NAV and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

Common/collective trusts: Valued at the net asset value of units of a collective trust. The NAV, as provided by the fund manager, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient would not be used if it is determined to be probable that the fund will sell the investment for an amount different from the reported NAV. Investments in the common/collective trusts are redeemable daily with no notice period and have no unfunded commitments.

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

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 6: FAIR VALUE MEASUREMENTS (CONTINUED)

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

2023			
	Level 1	Level 2	Level 3
Investments in the fair value hierarchy:			
Mutual funds	\$ 29,567,294	\$ -	\$ -
Investments measured at NAV (a):			
Pooled separate accounts			3,375,066
Common/collective trusts			52,202,129
Total investments, at fair value			\$ 85,144,489
2022			
	Level 1	Level 2	Level 3
Investments in the fair value hierarchy:			
Mutual funds	\$ 17,374,118	\$ -	\$ -
Investments measured at NAV (a):			
Pooled separate accounts			32,348,596
Common/collective trusts			727,389
Total investments, at fair value			\$ 50,450,103

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

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 7: CERTIFICATION OF TRUSTEE

The Plan Administrator has elected the method of annual reporting compliance permitted by 29 CFR 2520.103-8 of the Department of Labor's (DOL) Rules and Regulations for Reporting and Disclosure under ERISA. Accordingly, the qualified institution, Principal Trust Company, certified that the following data included in the accompanying financial statements and supplemental schedule of assets (held at end of year) are complete and accurate.

	<u>December 31,</u>	
	2023	2022
Pooled separate accounts Mutual funds	\$ 3,375,066	\$ 32,348,596
Common/collective trust	\$ 29,567,294	\$ 17,374,118
Notes receivable from participants	\$ 52,202,129	\$ 727,389
	\$ 611,429	\$ 288,676

	<u>Year Ended</u> <u>December 31,</u> 2023
Net appreciation in fair value of investments	\$ 11,381,936
Interest and dividend income	\$ 557,243
Interest earned on notes receivable from participants	\$ 21,944

The Plan's independent auditors did not perform auditing procedures with respect to this information, except for comparing such information to the related information included in the financial statements and supplemental schedule of assets (held at end of year).

NOTE 8: LATE REMITTANCES

As reported on Form 5500, Schedule H, Line 4(a) - Schedule of Delinquent Participant Contributions, certain 2016-2020 and 2022 employee contributions in the aggregate amounts of \$505,385, were not remitted within the appropriate time period by the Company. These transactions constitute prohibited transactions as defined by ERISA. The Company is in the process of taking the appropriate steps to correct these late remittances.

GINKGO 401(k) PLAN

NOTES TO FINANCIAL STATEMENTS

NOTE 9: SUBSEQUENT EVENTS

For the year ended December 31, 2023, subsequent events were evaluated through October 7, 2024, which is the date the financial statements were available to be issued.

The Company acquired Zymergen Inc. in October 2022. Effective January 1, 2024, the Zymergen Inc. Retirement Trust plan was merged into the Plan and assets in the amount of approximately \$32,900,000 were transferred to the Plan.

As a result of a reduction in the workforce in June 2024, the Company experienced a partial plan termination as defined by ERISA. Under ERISA, a partial plan termination occurs if a significant percentage of the Plan participants are terminated because of an action taken by the Plan Sponsor. If a partial plan termination occurs, full vesting in the employer's contributions is required for the affected participants, but the remaining participants' vesting continues to be determined according to the Plan provisions. The Company has taken the necessary steps for the participants impacted by the partial plan termination.

The Company amended the Plan to remove Safe Harbor status in 2024. As a result, the match formula in 2024 was amended to limit employer contributions to \$5,000 and limits executive employees from receiving the match.

SUPPLEMENTAL SCHEDULES

GINKGO 401(k) PLAN

SUPPLEMENTAL SCHEDULE REQUIRED BY ERISA AND THE DEPARTMENT OF LABOR

December 31, 2023

PLAN NUMBER: 001 EIN: 26-3118890

Schedule H, Line 4(a) - Schedule of Delinquent Participant ContributionsTotal that Constitutes Nonexempt Prohibited Transactions

<u>Participant</u> <u>Contributions</u> <u>Transferred Late</u> <u>to Plan</u>	<u>Check Here if</u> <u>Late Participants'</u> <u>Notes Receivable</u> <u>Repayments are</u> <u>Included</u>	<u>Contributions</u> <u>Not Corrected</u>	<u>Contributions</u> <u>Corrected</u> <u>Outside VFCP</u> <u>(Voluntary</u> <u>Fiduciary</u> <u>Correction</u> <u>Program)</u>	<u>Contributions</u> <u>Pending</u> <u>Correction in</u> <u>VFCP</u>	<u>Total Fully</u> <u>Corrected Under</u> <u>VFCP and PTE</u> <u>2002-51</u>
\$ 505,385		\$ 505,385	\$ -	\$ -	\$ -

GINKGO 401(k) PLAN
SUPPLEMENTAL SCHEDULE REQUIRED BY ERISA AND THE DEPARTMENT OF LABOR
December 31, 2023
PLAN NUMBER: 001 EIN: 26-3118890

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

(a)	(b)	(c)	(d)	(e)
	<u>Identity of issue, borrower, lessor or similar party</u>	<u>Description of investment including maturity date, rate of interest, collateral, par or maturity value</u>	<u>Cost</u>	<u>Current value</u>
	Pooled separate accounts:			
*	Principal Life Insurance Company	SmallCap S&P 600 Index	**	\$ 1,617,595
*	Principal Life Insurance Company	MidCap S&P 400 Index	**	\$ 1,199,935
*	Principal Life Insurance Company	Equity Income	**	\$ 376,450
*	Principal Life Insurance Company	International SmallCap	**	\$ 181,086
	Mutual funds:			
	Vanguard	Total Stock Market Index Fund	**	\$ 10,936,040
	Vanguard	500 Index Fund	**	\$ 7,230,949
	Vanguard	Total International Stock Index Fund	**	\$ 3,677,633
	Vanguard	Total Bond Market Index Fund	**	\$ 2,342,657
	AB	Large Cap Growth Fund	**	\$ 2,211,485
	MFS	Mid Cap Growth Fund	**	\$ 691,867
	Janus Investment Fund	Janus Henderson Triton Fund	**	\$ 595,421
	DFA	International Core Equity Portfolio	**	\$ 543,717
	Allspring	Special Mid Cap Value Fund	**	\$ 296,473
	Delaware Ivy Systematic	Emerging Markets Equity Fund	**	\$ 282,450
	Victory	Integrity Small-Cap Value Fund	**	\$ 280,288
	Lord Abbett	High Yield Fund	**	\$ 182,971
	Blackrock	Total Return Fund	**	\$ 172,838
	MFS	Emerging Markets Debt Fund	**	\$ 78,801
	PGIM	Global Total Return Fund	**	\$ 43,704
	Common/collective trust:			
*	Principal Global Investors Trust Co	LifeTime Hybrid 2050	**	\$ 11,395,993
*	Principal Global Investors Trust Co	LifeTime Hybrid 2055	**	\$ 10,383,354
*	Principal Global Investors Trust Co	LifeTime Hybrid 2045	**	\$ 7,401,826
*	Principal Global Investors Trust Co	LifeTime Hybrid 2060	**	\$ 6,172,269
*	Principal Global Investors Trust Co	LifeTime Hybrid 2035	**	\$ 5,686,046
*	Principal Global Investors Trust Co	LifeTime Hybrid 2040	**	\$ 4,821,470
*	Principal Global Investors Trust Co	LifeTime Hybrid 2030	**	\$ 2,730,146
*	Principal Global Investors Trust Co	LifeTime Hybrid 2025	**	\$ 1,381,874
*	Principal Global Investors Trust Co	LifeTime Hybrid 2065	**	\$ 1,023,595
*	Principal Global Investors Trust Co	Stable Value	**	\$ 849,469
*	Principal Global Investors Trust Co	LifeTime Hybrid 2020	**	\$ 310,934
*	Principal Global Investors Trust Co	LifeTime Hybrid 2015	**	\$ 45,153
*	Participant loans	Interest at 3.25%-8.50% maturing through 2028	\$ -	\$ 611,429

* Represents party-in-interest to the Plan

** Cost of participant directed investments is not required to be disclosed

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

G 401() P

EIN 26 3118890
 PLAN NUMBER 001
 PLAN YEAR 01/01/2023 TO 12/31/2023

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	SEI TRUST COMPANY	Registered Investment Company Allspring Spec M Cap Value R6	\$ 0.00	\$ 296,475.07
	Alliance Bernstein	Registered Investment Company AB Large Cap Growth Z Fund	\$ 0.00	\$ 2,211,490.08
	BlackRock	Registered Investment Company BlackRock Total Return K Fund	\$ 0.00	\$ 172,838.76
	Ivy Investment Management Co	Registered Investment Company Delaware Ivy Sys Em Mk Eq R6	\$ 0.00	\$ 282,451.45
	Dimensional Fund Advisors	Registered Investment Company DFA Intl Core Equity I Fd	\$ 0.00	\$ 543,717.57
	Janus International Holding, LLC	Registered Investment Company JanusHenderson Triton N	\$ 0.00	\$ 595,421.94
	Lord Abbett	Registered Investment Company Lord Abbett High Yield R6 Fund	\$ 0.00	\$ 182,971.66
	MFS Investment Management	Registered Investment Company MFS Emerging Mkts Debt R6 Fd	\$ 0.00	\$ 78,802.25
	MFS Investment Management	Registered Investment Company MFS Mid-Cap Growth R6 Fund	\$ 0.00	\$ 691,868.78
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Equity Income SA-Z	\$ 0.00	\$ 376,450.17
*	Principal Life Insurance Company	Pooled Separate Accounts Prin Intl SmallCap Sep Acct-Z	\$ 0.00	\$ 181,087.19
*	Principal Life Insurance Company	Pooled Separate Accounts Prin MidCap S&P 400 Idx SA-Z	\$ 0.00	\$ 1,199,935.84
*	Principal Life Insurance Company	Pooled Separate Accounts Prin SmCap S&P 600 Index SA-Z	\$ 0.00	\$ 1,617,592.63
*	Principal Global Investors Trust Co	Common/Collective Trust Principal Stable Value Z Fund	\$ 0.00	\$ 849,469.00
	PGIM Investments	Registered Investment Company PGIM Global Total Ret R6 Fd	\$ 0.00	\$ 43,704.30

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

G 401() P

EIN 26 3118890
PLAN NUMBER 001
PLAN YEAR 01/01/2023 TO 12/31/2023

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HB 2035 CIT U	\$ 0.00	\$ 5,686,046.11
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HB 2040 CIT U	\$ 0.00	\$ 4,821,470.21
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HB 2045 CIT U	\$ 0.00	\$ 7,401,826.29
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HY 2050 CIT U	\$ 0.00	\$ 11,395,992.67
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HY 2055 CIT U	\$ 0.00	\$ 10,383,354.39
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HY 2060 CIT U	\$ 0.00	\$ 6,172,268.60
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HY 2065 CIT U	\$ 0.00	\$ 1,023,594.65
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HYB 2015 CIT U	\$ 0.00	\$ 45,153.25
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HYB 2020 CIT U	\$ 0.00	\$ 310,934.23
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HYB 2025 CIT U	\$ 0.00	\$ 1,381,873.88
*	Principal Global Investors Trust Co	Common/Collective Trust PRIN LIFETIME HYB 2030 CIT U	\$ 0.00	\$ 2,730,145.55
	Vanguard Group	Registered Investment Company Vanguard Tl Stk Mkt Idx Adm Fd	\$ 0.00	\$ 10,935,980.62
	Vanguard Group	Registered Investment Company Vanguard Ttl Bd Mkt Idx Adm Fd	\$ 0.00	\$ 2,342,658.20
	Vanguard Group	Registered Investment Company Vanguard 500 Index Admiral Fd	\$ 0.00	\$ 7,230,988.08
	Vanguard Group	Registered Investment Company Vqd Ttl Intl Stk Idx Adm Fd	\$ 0.00	\$ 3,677,635.45

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

SCHEDULE H, line 4i - SCHEDULE OF ASSETS (HELD AT END OF YEAR)

G 401() P
EIN 26 3118890
PLAN NUMBER 001
PLAN YEAR 01/01/2023 TO 12/31/2023

(A)	(B) Identity of issuer, borrower, lessor or similar party.	(C) Description of investment including maturity date, rate of interest, collateral, par or maturity value.	(D) Cost	(E) Current Value
	Victory Funds	Registered Investment Company Victory Integ SmCap Val R6 Fd	\$ 0.00	\$ 280,290.06
*	Participant Loans	Range of Interest Rates Rates Range From 3.25% To 8.50%	\$ 0.00	\$ 611,429.00

