

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I	Annual Report Identification Information
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A	This return/report is for: ☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B	This return/report is: ☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C	If the plan is a collectively-bargained plan, check here. ▶ ☐
D	Check box if filing under: ☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E	If this is a retroactively adopted plan permitted by SECURE Act section 201, check here. ▶ ☐

Part II	Basic Plan Information—enter all requested information	
1a	Name of plan KNOWESIS RETIREMENT PLAN	1b Three-digit plan number (PN) ▶ 001
		1c Effective date of plan 09/01/2008
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) KNOWESIS, INC. 8280 WILLOW OAKS CORP DR, SUITE 475 FAIRFAX, VA 22031	2b Employer Identification Number (EIN) 30-0440588
		2c Plan Sponsor's telephone number 703-942-8560
		2d Business code (see instructions) 541511

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.	10/10/2023	STEVE FLOWERS
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2022)
v. 220413

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		5 231
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d).		
a(1) Total number of active participants at the beginning of the plan year		6a(1) 178
a(2) Total number of active participants at the end of the plan year		6a(2) 180
b Retired or separated participants receiving benefits		6b 3
c Other retired or separated participants entitled to future benefits.....		6c 0
d Subtotal. Add lines 6a(2) , 6b , and 6c		6d 183
e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits.		6e 63
f Total. Add lines 6d and 6e		6f 246
g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item).....		6g 240
h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....		6h 10
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: 2E 2F 2G 2J 2T 2K 3D		
b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:		
9a Plan funding arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor		9b Plan benefit arrangement (check all that apply) (1) ☒ Insurance (2) ☐ Code section 412(e)(3) insurance contracts (3) ☒ Trust (4) ☐ General assets of the sponsor
10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)		
a Pension Schedules (1) ☒ R (Retirement Plan Information) (2) ☐ MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary (3) ☐ SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary		b General Schedules (1) ☒ H (Financial Information) (2) ☐ I (Financial Information – Small Plan) (3) ☒ 1 A (Insurance Information) (4) ☒ C (Service Provider Information) (5) ☒ D (DFE/Participating Plan Information) (6) ☐ G (Financial Transaction Schedules)

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2022 Form M-1 annual report. If the plan was not required to file the 2022 Form M-1 annual report, enter the Receipt Confirmation Code for the most recent Form M-1 that was required to be filed under the Form M-1 filing requirements. (Failure to enter a valid Receipt Confirmation Code will subject the Form 5500 filing to rejection as incomplete.)

Receipt Confirmation Code _____

SCHEDULE 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 2022 This Form is Open to Public Inspection
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022	
A Name of plan KNOWESIS RETIREMENT PLAN	B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 KNOWESIS, INC.	D Employer Identification Number (EIN) 30-0440588

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	619545	250	01/01/2022	12/31/2022

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.
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(a) Total amount of commissions paid 43949	(b) Total amount of fees paid 4395
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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 ROYAL ALLIANCE ASSOCIATES INC ATTN COMPENSATION DEPT 10 EXCHANGE PL STE 1410 JERSEY CITY, NJ 07302-4931
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(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
43949			3

(a) Name and address of the agent, broker, or other person to whom commissions or fees were paid
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NEWPORT GROUP INC 1350 TREAT BLVD STE 300 WALNUT CREEK, CA 94597-7959

(b) Amount of sales and base commissions paid	Fees and other commissions paid		(e) Organization code
	(c) Amount	(d) Purpose	
	4395	REFERRAL/SERVICE FEE	3

(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	9448619

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..... Specify nature of costs ▶	6d	

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 ▶ **FLEXIBLE INVESTMENT ANNUITY**

b	Balance at the end of the previous year	7b	0
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c	Additions: (1) Contributions deposited during the year	7c(1)	43	
	(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)	43
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d	Total of balance and additions (add lines 7b and 7c(6))	7d	43
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e Deductions:

	(1) Disbursed from fund to pay benefits or purchase annuities during year	7e(1)	41	
	(2) Administration charge made by carrier.....	7e(2)	2	
	(3) Transferred to separate account.....	7e(3)		
	(4) Other (specify below)	7e(4)		

(5) Total deductions.....	7e(5)	43
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f	Balance at the end of the current year (subtract line 7e(5) from line 7d)	7f	0
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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)	0
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)	0
(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)	0
(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. Specify nature of costs.	10b	

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
		2022
		This Form is Open to Public Inspection.

For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan KNOWESIS RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 KNOWESIS, INC.	D Employer Identification Number (EIN) 30-0440588	

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

1 Information on Persons Receiving Only Eligible Indirect Compensation

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

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

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

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	23661	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☐ No ☒

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

ROYAL ALLIANCE ASSOCIATES INC

93-0987232

(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?
49 99	OTHER SERVICES	0	Yes ☒ No ☐	Yes ☐ No ☒	5862	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
ROYAL ALLIANCE ASSOCIATES INC	49 99	5862

(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	REFERRAL/SERVICE FEE

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation

(d) Enter name and EIN (address) of source of indirect compensation	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation.

Part II Service Providers Who Fail or Refuse to Provide Information

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

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

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

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

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

Explanation:

SCHEDULE D (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
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For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan KNOWESIS RETIREMENT PLAN	B Three-digit plan number (PN) ►	001
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 KNOWESIS, INC.	D Employer Identification Number (EIN) 30-0440588	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs)		
(Complete as many entries as needed to report all interests in DFEs)			
a Name of MTIA, CCT, PSA, or 103-12 IE: PRINCIPAL SMALLCAP SEP ACCT-R3			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-029	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 62493	
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIQUID ASSETS SEP ACCT-R3			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-024	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 132867	
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN U.S. PROPERTY SEP ACCT-R3			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-027	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 49678	
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LGCAP S&P 500 INDEX SA-R3			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-016	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 775802	
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN SMCAP S&P 600 INDEX SA-R3			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-028	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 520354	
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN MIDCAP S&P 400 IDX SA-R3			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-023	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 223331	
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LARGECAP VALUE III SA-R3			
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY			
c EIN-PN 42-0127290-068	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 66124	

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2010 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-075	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 42719
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2020 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-076	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 418881
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2030 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-077	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1181984
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2040 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-078	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1051013
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2050 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-079	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 790276
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME STRAT INC SA-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-080	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 88601
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2015 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-110	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 14709
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2025 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-111	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 1134978
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2035 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-112	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 975246
a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2045 SEP ACCT-R3		
b Name of sponsor of entity listed in (a): PRINCIPAL LIFE INSURANCE COMPANY		
c EIN-PN 42-0127290-113	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 697082

a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2055 SEP ACCT-R3

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

c EIN-PN 42-0127290-114	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 837241
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN INTL EQUITY INDEX SA-R3

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

c EIN-PN 42-0127290-121	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 698
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRINICPAL BOND MKT INDEX SA-R3

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

c EIN-PN 42-0127290-122	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 61806
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2060 SEP ACCT-R3

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

c EIN-PN 42-0127290-130	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 306810
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a Name of MTIA, CCT, PSA, or 103-12 IE: PRIN LIFETIME 2065 SEP ACCT-R3

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

c EIN-PN 42-0127290-173	d Entity code P	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 15927
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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)
-----------------	----------------------	---

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)**

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

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

<b style="font-size: 1.2em;">SCHEDULE H <b style="font-size: 1.1em;">(Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	<b style="font-size: 1.2em;">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 <b style="font-size: 1.2em;">2022 This Form is Open to Public Inspection				
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022						
A Name of plan KNOWESIS RETIREMENT PLAN	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">B Three-digit plan number (PN) ►</td> <td style="width: 20%; text-align: center; color: blue;">001</td> </tr> <tr> <td colspan="2" style="height: 20px;"></td> </tr> </table>		B Three-digit plan number (PN) ►	001		
B Three-digit plan number (PN) ►	001					
C Plan sponsor's name as shown on line 2a of Form 5500 KNOWESIS, INC.	D Employer Identification Number (EIN) 30-0440588					

Part I	Asset and Liability Statement		
1 Current value of plan assets and liabilities at the beginning and end of the plan year. Combine the value of plan assets held in more than one trust. Report the value of the plan's interest in a commingled fund containing the assets of more than one plan on a line-by-line basis unless the value is reportable on lines 1c(9) through 1c(14). Do not enter the value of that portion of an insurance contract which guarantees, during this plan year, to pay a specific dollar benefit at a future date. Round off amounts to the nearest dollar. MTIAs, CCTs, PSAs, and 103-12 IEs do not complete lines 1b(1), 1b(2), 1c(8), 1g, 1h, and 1i. CCTs, PSAs, and 103-12 IEs also do not complete lines 1d and 1e. See instructions.			
Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash.....		1a	
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....		1b(1)	1044000802514
(2) Participant contributions.....		1b(2)	043321
(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)	6995438978
(9) Value of interest in common/collective trusts.....		1c(9)	
(10) Value of interest in pooled separate accounts		1c(10)	87851779448619
(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)	13513841173697
(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	11250515	11507129

Liabilities

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

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	11250515	11507129
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Part II Income and Expense Statement

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

Income

		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers	2a(1)(A)	1448098	
(B) Participants	2a(1)(B)	1230490	
(C) Others (including rollovers)	2a(1)(C)	218900	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		2897488
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)	3620	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		3620
(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)	9477	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		9477
(3) Rents	2b(3)		
(4) Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)		
(B) Aggregate carrying amount (see instructions)	2b(4)(B)		
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)		0
(5) Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)		
(B) Other	2b(5)(B)		
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		-1632884
(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)		-332883
c Other income	2c		1437
d Total income. Add all income amounts in column (b) and enter total	2d		946255
Expenses			
e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	665980	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)		665980
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees	2i(1)		
(2) Contract administrator fees	2i(2)	23661	
(3) Investment advisory and management fees	2i(3)		
(4) Other	2i(4)		
(5) Total administrative expenses. Add lines 2i(1) through (4)	2i(5)		23661
j Total expenses. Add all expense amounts in column (b) and enter total	2j		689641
Net Income and Reconciliation			
k Net income (loss). Subtract line 2j from line 2d	2k		256614
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: THOMPSON GREENSPON

(2) EIN: 54-1029635

d The opinion of an independent qualified public accountant is **not attached** because:

(1) ☐ This form is filed for a CCT, PSA, or MTIA. (2) ☐ It will be attached to the next Form 5500 pursuant to 29 CFR 2520.104-50.

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l.

During the plan year:

a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)

	Yes	No	Amount
4a	X		585161

	Yes	No	Amount
b Were any loans by the plan or fixed income obligations due the plan in default as of the close of the plan year or classified during the year as uncollectible? Disregard participant loans secured by participant's account balance. (Attach Schedule G (Form 5500) Part I if "Yes" is checked.)			
4b		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)			
4c		X	
d Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 4a. Attach Schedule G (Form 5500) Part III if "Yes" is checked.)			
4d		X	
e Was this plan covered by a fidelity bond?	X		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		X	
4f		X	
g Did the plan hold any assets whose current value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4g		X	
h Did the plan receive any noncash contributions whose value was neither readily determinable on an established market nor set by an independent third party appraiser?			
4h		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)	X		
4i	X		
j Were any plan transactions or series of transactions in excess of 5% of the current value of plan assets? (Attach schedule of transactions if "Yes" is checked and see instructions for format requirements.)			
4j		X	
k Were all the plan assets either distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?			
4k		X	
l Has the plan failed to provide any benefit when due under the plan?			
4l		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)			
4m		X	
n If 4m was answered "Yes," check the "Yes" box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3.			
4n			

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

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

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

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

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

SCHEDULE R (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Retirement Plan Information This schedule is required to be filed under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6058(a) of the Internal Revenue Code (the Code). ► File as an attachment to Form 5500.	OMB No. 1210-0110 2022 This Form is Open to Public Inspection.
For calendar plan year 2022 or fiscal plan year beginning 01/01/2022 and ending 12/31/2022		
A Name of plan KNOWESIS RETIREMENT PLAN		B Three-digit plan number (PN) ► 001
C Plan sponsor's name as shown on line 2a of Form 5500 KNOWESIS, INC.		D Employer Identification Number (EIN) 30-0440588
Part I Distributions		
All references to distributions relate only to payments of benefits during the plan year.		
1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions.....		1 0
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): 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.)		
4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)? ☐ Yes ☐ No ☐ N/A If the plan is a defined benefit plan, go to line 8.		
5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. Date: Month _____ Day _____ Year _____ If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.		
6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived).....		6a
b Enter the amount contributed by the employer to the plan for this plan year.....		6b
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....		6c
If you completed line 6c, skip lines 8 and 9.		
7 Will the minimum funding amount reported on line 6c be met by the funding deadline? ☐ Yes ☐ No ☐ N/A		
8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change? ☐ Yes ☐ No ☐ N/A		
Part III Amendments		
9 If this is a defined benefit pension plan, were any amendments adopted during this plan year that increased or decreased the value of benefits? If yes, check the appropriate box. If no, check the "No" box..... ☐ Increase ☐ Decrease ☐ Both ☐ No		
Part IV ESOPs (see instructions). If this is not a plan described under section 409(a) or 4975(e)(7) of the Internal Revenue Code, skip this Part.		
10 Were unallocated employer securities or proceeds from the sale of unallocated securities used to repay any exempt loan?.....		☐ Yes ☐ No
11 a Does the ESOP hold any preferred stock?.....		☐ Yes ☐ No
b If the ESOP has an outstanding exempt loan with the employer as lender, is such loan part of a "back-to-back" loan? (See instructions for definition of "back-to-back" loan.).....		☐ Yes ☐ No
12 Does the ESOP hold any stock that is not readily tradable on an established securities market?.....		☐ Yes ☐ No
For Paperwork Reduction Act Notice, see the Instructions for Form 5500.		
Schedule R (Form 5500) 2022 v. 220413		

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

14	Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:		
	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) through (c) a Enter the percentage of plan assets held as: Stock: _____% Investment-Grade Debt: _____% High-Yield Debt: _____% Real Estate: _____% Other: _____% b Provide the average duration of the combined investment-grade and high-yield debt: ☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more c What duration measure was used to calculate line 19(b)? ☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify): _____
20	PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20. a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? ☐ Yes ☐ No b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box: ☐ Yes. ☐ No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date. ☐ No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date. ☐ No. Other. Provide explanation _____



FINANCIAL REPORT

KNOWESIS RETIREMENT PLAN

YEARS ENDED DECEMBER 31, 2022 AND 2021

KNOWESIS RETIREMENT PLAN
FINANCIAL REPORT
YEARS ENDED DECEMBER 31, 2022 AND 2021

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INDEPENDENT AUDITORS' REPORT

To the Trustees
Knowesis Retirement Plan
Fairfax, Virginia

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

We have performed audits of the accompanying financial statements of Knowesis Retirement 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, 2022 and 2021, and the related statements of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management, having determined it is permissible in the circumstances, has elected to have the audits of Knowesis Retirement 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 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 Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA (qualified institution).

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

Opinion

In our opinion, based on our audits and on the procedures performed as described in the Auditors' Responsibilities for the Audits 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 Auditors' Responsibilities for the Audits of the Financial Statements section of our report. We are required to be independent of Knowesis Retirement 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 Knowesis Retirement Plan's ability to continue as a going concern for one year after the date the financial statements are available to be issued.

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

Auditors' Responsibilities for the Audits of the Financial Statements

Except as described in the Scope and Nature of the ERISA Section 103(a)(3)(C) Audits section of our report, our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with 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 Knowesis Retirement 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 Knowesis Retirement 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 audits, significant audit findings, and certain internal control-related matters that we identified during the audits.

Supplemental Schedules Required by ERISA

The supplemental schedules of Form 5500 - Schedule H, Line 4a - Schedule of Delinquent Participant Contributions and Form 5500 - Schedule H, Line 4i - Schedule of Assets (Held at End of Year) for the year ended and as of December 31, 2022 are presented for purposes of additional analysis and are not a required part of the financial statements but are supplementary information required by the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA. Such information is the responsibility of management and was derived from and relates directly to the underlying accounting and other records used to prepare the financial statements. The information included in the supplemental 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 Department of Labor'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 Department of Labor'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).

Thompson Greenspon

Fairfax, Virginia
October 13, 2023

KNOWESIS RETIREMENT PLAN

STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS DECEMBER 31, 2022 AND 2021

	2022	2021
ASSETS		
Investments, at fair value	<u>\$ 10,622,316</u>	<u>\$ 10,136,561</u>
Receivables		
Employer contributions	802,514	1,044,000
Participant contributions	43,321	-
Notes receivable from participants	<u>38,978</u>	<u>69,954</u>
Total Receivables	<u>884,813</u>	<u>1,113,954</u>
Net Assets Available for Benefits	<u><u>\$ 11,507,129</u></u>	<u><u>\$ 11,250,515</u></u>

The Notes to Financial Statements are an integral part of these statements.

KNOWESIS RETIREMENT PLAN

STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS YEARS ENDED DECEMBER 31, 2022 AND 2021

	2022	2021
Additions to Net Assets Attributed to:		
Investment (loss) income		
Interest and dividends	\$ 9,477	\$ 4,398
Net (depreciation) appreciation in fair value of investments	(1,964,829)	1,232,315
	<u>(1,955,352)</u>	<u>1,236,713</u>
Total Investment (Loss) Income		
Interest income on notes receivable from participants	<u>3,595</u>	<u>5,282</u>
Contributions		
Participant	1,230,490	1,200,593
Rollovers	218,900	404,992
Employer	<u>1,448,622</u>	<u>1,563,395</u>
	<u>2,898,012</u>	<u>3,168,980</u>
Total Additions	<u>946,255</u>	<u>4,410,975</u>
Deductions from Net Assets Attributed to:		
Benefits paid to participants	665,980	1,378,621
Administrative expenses	<u>23,661</u>	<u>23,668</u>
Total Deductions	<u>689,641</u>	<u>1,402,289</u>
Net Increase	256,614	3,008,686
Net Assets Available for Benefits		
Beginning of year	<u>11,250,515</u>	<u>8,241,829</u>
End of year	<u><u>\$ 11,507,129</u></u>	<u><u>\$ 11,250,515</u></u>

The Notes to Financial Statements are an integral part of these statements.

KNOWESIS RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 AND 2021

1. DESCRIPTION OF PLAN

The following description of the Knowesis Retirement 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 covering all eligible employees of Knowesis, Inc. (the Company). The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 (ERISA). The Plan was established on September 1, 2008.

The Company has the responsibility for remittance of participant and employer contributions, appointing an administrator to administer the Plan, and determining funds available for investment under the Plan. The Company pays for a portion of the administrative expenses for the Plan.

Eligibility Requirements

All employees are eligible to participate in the Plan except for nonresident aliens receiving no earned income, employees covered by a collective bargaining agreement, and leased employees. There is no minimum service requirement to participate; employees become eligible to participate in the Plan upon their hire date and the attainment of the age of 21.

Contributions

Each year, participants may elect to contribute a percentage or amount of pre-tax or post-tax (Roth) annual compensation, as defined in the Plan. Annual additions to a participant's account may not exceed the lesser of \$20,500 and \$19,500 for the years ended December 31, 2022 and 2021, respectively, plus \$6,500 catch-up or 100 percent of compensation. Participants who have attained age 50 before the end of the Plan year are eligible to make catch-up contributions. Eligible participants may also contribute amounts representing distributions from other qualified defined benefit or defined contribution plans (rollover). Participants direct the investment of their contributions and employer contributions into various investment options offered by the Plan. The Plan currently offers pooled separate accounts and mutual funds as investment options for participants.

Effective January 1, 2022, the Company makes safe harbor nonelective, flexible discretionary matching, and discretionary profit sharing contributions. For the year ended December 31, 2022, the Company made a safe harbor nonelective contribution equal to 3 percent of employees' Plan year compensation. For the year ended December 31, 2022, the Company made a discretionary matching contribution equal to 50 percent of the amount of the participant's elective deferrals that do not exceed 2 percent of participant's compensation paid each payroll. For the year ended December 31, 2022, the discretionary profit-sharing contribution was approximately \$747,000. During the year ended December 31, 2021, the Company made safe harbor matching and discretionary profit-sharing contributions. For the year ended December 31, 2021, the Company made safe harbor contributions equal to 100 percent of the Participant's elective deferrals that do not exceed 3 percent of a participant's compensation plus 50 percent of the amount of the Participant's elective deferrals between 3 percent and 5 percent of a participant's compensation based on the Plan year compensation. For the year ended December 31, 2021, the discretionary profit-sharing contribution was approximately \$1,024,000. Contributions are subject to certain statutory limitations.

Participant Accounts

Each participant's account is credited with the participant's contribution and allocations of the Company's contribution and Plan earnings. Participant accounts are charged with an allocation of administrative expenses that are paid by the Plan. Allocations are based on participant earnings or individual account balances, or specific participant transactions, as defined in the Plan. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

KNOWESIS RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 AND 2021

1. DESCRIPTION OF PLAN (continued)

Vesting

Participants are immediately vested in their contributions plus actual earnings thereon. Participants are immediately vested in the Company's safe harbor nonelective contributions, safe harbor matching contributions and discretionary matching contributions. Discretionary profit-sharing contributions are 100 percent vested after a 3-year graded vesting scale.

A participant is also 100 percent vested if termination is due to disability, death or early retirement date.

Notes Receivable from Participants

Participants may borrow up to the lesser of \$50,000 minus the difference between the highest outstanding balance of loans during the prior 12-month period and the outstanding balance of loans from the Plan on the date the loan is made, or 50 percent of the participant's vested account balance.

Loans must be repaid within 5 years. The loans are secured by the vested balance in the participant's account and bear interest at 2 percent above the prime rate. Principal and interest is paid ratably through payroll deductions. Participants are allowed one loan at a time and the minimum loan amount is \$1,000.

Payment of Benefits

On termination of service due to death, disability or retirement, a participant will receive the value of the participant's vested interest in his or her account as a lump sum amount, or substantially equal annual or more frequent installments as designated by the participant or beneficiary. The Plan must pay out as a lump sum any account balance of \$5,000 or less. An account must be fully vested for a participant to receive an in-service withdrawal. Upon attainment of normal retirement age of 65, distributions may be made from all accounts.

Hardship Distributions

Hardship distributions are permitted for current employees of the Company from pre-tax and Roth elective deferrals and rollover accounts.

Forfeited Accounts

Forfeited balances resulting from the termination of nonvested participants may be used to reduce the Company's future non-safe harbor contributions. The balance in the forfeiture account was \$-0- at December 31, 2022 and 2021. The Company's cash contributions were offset by forfeited non-vested accounts of \$15,551 for the year ended December 31, 2022. No forfeitures were used to offset employer contributions for the year ended December 31, 2021.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Basis of Accounting

The financial statements of the Plan are prepared using the accrual method of accounting.

Financial Statement Estimates

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

KNOWESIS RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 AND 2021

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

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 and custodians. See Note 4 for discussion of fair value measurements.

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 (depreciation) appreciation includes the Plan's gains and losses on investments bought and sold as well as held during the year.

As permitted by generally accepted accounting principles in the U.S., the Plan uses net asset value (NAV) as a practical expedient to determine the fair value of certain investments, and these investments have not been classified in the fair value hierarchy.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Interest income is recorded on the accrual basis. Related fees are recorded as administrative expenses and are expensed when they are incurred. No allowance for credit losses has been recorded as of December 31, 2022 and 2021. If a participant does not make loan repayments and the Plan administrator considers the loan to be in default, the loan balance is reduced, and the delinquent participant's note receivable is recorded as a benefit payment based on terms in the Plan document.

Payment of Benefits

Benefits are recorded when paid.

Income Taxes

Accounting principles generally accepted in the United States of America require Plan management to evaluate tax positions taken by the Plan and recognize a tax liability (or asset) if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the Department of Labor (DOL) or Internal Revenue Service. The Plan administrator has analyzed the tax positions taken by the Plan and has concluded that as of December 31, 2022, 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.

Administrative Expenses

Certain expenses of maintaining the Plan are paid directly 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, including certain fees paid through revenue sharing arrangements, are included in net (depreciation) appreciation in fair value of investments.

Subsequent Events

The Plan has evaluated subsequent events through October 13, 2023, the date the financial statements were available to be issued.

KNOWESIS RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 AND 2021

3. CERTIFIED FINANCIAL INFORMATION

Certain information related to investments disclosed in the accompanying financial statements as of December 31, 2022 and 2021, the ERISA-required supplemental schedule of Form 5500 - Schedule H, Line 4i - Schedule of Assets (Held at End of Year) as of December 31, 2022, and net (depreciation) appreciation in fair value of investments, interest and dividends for the years ended December 31, 2022 and 2021, was obtained by management and agreed to or derived from information certified as complete and accurate by Principal Life Insurance Company and the Delaware Charter Guarantee and Trust Company conducting business under the trade name Principal Trust Company, a member of the Principal Financial Group (collectively "Principal"), the custodian of the Plan. Notes receivable from participants are not certified by Principal Life Insurance Company or Principal Trust Company.

4. FAIR VALUE MEASUREMENTS

Financial Accounting Standards Board (FASB) Accounting Standards Codification (ASC) Topic 820, *Fair Value Measurements and Disclosures*, provides a framework for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. Fair value focuses on the price that would be received to sell the asset or paid to transfer the liability regardless of whether an observable liquid market price existed (an exit price). The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy under FASB ASC 820 are described below:

Level 1 – inputs to the valuation methodology are based upon 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 markets that are not active, inputs other than quoted prices that are observable for the asset or liability, and market-corroborated inputs. If the asset or liability has a specified (contractual) term, the Level 2 input must be observable for substantially the full term of the asset or liability.

Level 3 – inputs to the valuation methodology are unobservable and significant to the fair value measurement. Level 3 assets and liabilities measured at fair value are based on one or more of three valuation techniques (market, cost, or income approach). The market approach evaluates prices and other relevant information generated by market transactions involving identical or comparable assets or liabilities. The cost approach evaluates the amount that would be required to replace the service capacity of an asset (i.e., replacement cost). The income approach uses techniques that convert future amounts to a single present amount based on market expectations (including present value techniques, option-pricing models, and lattice models).

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.

Following is a description of the valuation methodologies used for the Plan's assets measured at fair value. There have been no changes in the methodologies used at December 31, 2022 and 2021.

Pooled separate accounts: Valued daily at the NAV of the underlying investments at year end. NAV is used as a practical expedient to estimate fair value.

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. 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.

KNOWESIS RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 AND 2021

4. FAIR VALUE MEASUREMENTS (continued)

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

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

2022				
	Level 1	Level 2	Level 3	Total
Investments in Fair Value Hierarchy				
Mutual funds	\$ 1,173,697	\$ -	\$ -	\$ 1,173,697
Investments Measured at Net Asset Value				
Pooled separate accounts				9,448,619
Investments at Fair Value				\$ 10,622,316

2021				
	Level 1	Level 2	Level 3	Total
Investments in Fair Value Hierarchy				
Mutual funds	\$ 1,351,384	\$ -	\$ -	\$ 1,351,384
Investments Measured at Net Asset Value				
Pooled separate accounts				8,785,177
Investments at Fair Value				\$ 10,136,561

The following tables summarize investments measured at fair value using the NAV per share practical expedient as of December 31:

2022	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Pooled Separate Accounts	\$ 9,448,619	N/A	Daily	N/A
2021	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Pooled Separate Accounts	\$ 8,785,177	N/A	Daily	N/A

KNOWESIS RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 AND 2021

4. FAIR VALUE MEASUREMENTS (continued)

The pooled separate accounts have various investment strategies. The funds seek to provide total return greater than or equal to comparable benchmark indices.

Gains and losses (realized and unrealized) included in changes in net assets for the periods above are reported in net (depreciation) appreciation in fair value of investments in the statements of changes in net assets available for benefits.

5. RELATED PARTY TRANSACTIONS

Principal Financial Group is the Plan's custodian (see Note 3). Newport Group is the Plan's third party administrator. Plan assets include investments in pooled separate accounts, which are managed by Principal Financial Group. As Principal Financial Group is the Plan's custodian, transactions with the custodian qualify as party-in-interest transactions under ERISA. Fees incurred by the Plan for the investment management services are included in net (depreciation) appreciation in fair value of investments, as they are paid through revenue sharing rather than a direct payment. The Plan made a direct payment to the third party administrator which was not covered by revenue sharing, which is shown as administrative expenses on the statements of changes in net assets available for benefits for the years ended December 31, 2022 and 2021. The Plan Sponsor pays directly any other fees related to the Plan's operations.

6. PLAN TERMINATION

Although it has not expressed any intent to do so, the Company has the right under the Plan to discontinue its contributions at any time and to terminate the Plan subject to the provisions of ERISA. In the event of Plan termination, participants would become 100 percent vested in their employer contributions.

7. TAX STATUS

The Plan adopted the Principal Financial Group Pre-approved Defined Contribution Plan effective January 1, 2021, with an opinion letter dated June 30, 2020 from the Internal Revenue Service stating that the Plan and related Trust qualify under the applicable provisions of the IRC, and are exempt from Federal income taxes. The Plan has been amended since receiving the opinion letter. The Plan administrator believes that the Plan is designed and currently being operated in compliance with the applicable requirements of the IRC and, therefore, believes that the Plan is qualified, and the related trust is tax-exempt.

8. RISKS AND UNCERTAINTIES

The Plan invests in a combination of investment securities that are exposed to various risks, such as interest rate, market and credit. Due to the level of risk associated with certain investment securities and the level of uncertainty related to changes in the value of investment securities, it is at least reasonably possible that changes in risks in the near term would materially affect participants' account balances and the amounts reported in the statements of net assets available for benefits and the statements of changes in net assets available for benefits.

KNOWESIS RETIREMENT PLAN

NOTES TO FINANCIAL STATEMENTS DECEMBER 31, 2022 AND 2021

9. CONCENTRATIONS

The following table presents investments that represent 10 percent or more of the Plan's investments at December 31:

	2022	2021
Principal LifeTm 2030 Sep Acct+	\$ 1,181,984	\$ N/A
Principal LifeTm 2025 Sep Acct+	1,134,978	1,536,770

10. DELINQUENT PARTICIPANT CONTRIBUTIONS

DOL Regulation 2510.3-102(a) states, in part, that employee contributions must be remitted to the Plan as soon as they can be reasonably segregated from the employer's general assets. Lost earnings related to Plan contributions for the years ended December 31, 2022 and 2021 were remitted in 2022.

SUPPLEMENTARY INFORMATION

KNOWESIS RETIREMENT PLAN
 EIN: 30-0440588
 FORM 5500 - SCHEDULE H, LINE 4a
 SCHEDULE OF DELINQUENT PARTICIPANT CONTRIBUTIONS
 DECEMBER 31, 2022

Participant Contributions Transferred Late to Plan			Check Here If Late Participant Loan Prepayments Are Included	Contributions Not Corrected	Contributions Corrected Outside VFCP	Contributions Pending Correction in VFCP	Total Fully Corrected Under Voluntary Fiduciary Correction Program (VFCP) and Prohibited Transaction Exemption 2002-51
Amount Withheld	Payroll Date	Date Remitted					
\$ 46,648	1/15/2021	1/25/2021		\$ -	\$ 46,648	\$ -	\$ -
47,170	2/12/2021	2/23/2021	X	-	47,170	-	-
49,623	7/2/2021	7/13/2021	X	-	49,623	-	-
48,351	8/13/2021	8/23/2021	X	-	48,351	-	-
48,798	2/11/2022	2/17/2022	X	-	48,798	-	-
51,659	4/8/2022	4/18/2022	X	-	51,659	-	-
49,861	4/22/2022	5/5/2022	X	-	49,861	-	-
48,294	5/6/2022	5/18/2022	X	-	48,294	-	-
48,944	6/3/2022	6/13/2022	X	-	48,944	-	-
48,232	7/1/2022	7/12/2022	X	-	48,232	-	-
48,961	7/15/2022	7/25/2022	X	-	48,961	-	-
48,620	10/7/2022	12/12/2022	X	-	48,620	-	-
				<u>\$ -</u>	<u>\$ 585,161</u>	<u>\$ -</u>	<u>\$ -</u>

KNOWESIS RETIREMENT PLAN
 EIN: 30-0440588
 FORM 5500 - SCHEDULE H, LINE 4i
 SCHEDULE OF ASSETS (HELD AT END OF YEAR)
 DECEMBER 31, 2022

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment, including maturity date, rate of interest, collateral, par or maturity value	(d) Cost ^ (Unaudited)	(e) Current Value
	Pooled Separate Accounts			
*	Bond Market Index Sep Acct+	Registered investment company	\$ -	\$ 61,806
*	International Equity Index SA +	Registered investment company	-	698
*	LargeCap Value III Sep Acct+	Registered investment company	-	66,124
*	LgCap S&P S&P 500 Index Sep Acct+	Registered investment company	-	775,801
*	Liquid Assets Separate Account+	Registered investment company	-	132,867
*	MidCap S&P 400 Index Sep Acct+	Registered investment company	-	223,331
*	Principal LifeTm 2010 Sep Acct+	Registered investment company	-	42,719
*	Principal LifeTm 2015 Sep Acct+	Registered investment company	-	14,709
*	Principal LifeTm 2020 Sep Acct+	Registered investment company	-	418,881
*	Principal LifeTm 2025 Sep Acct+	Registered investment company	-	1,134,978
*	Principal LifeTm 2030 Sep Acct+	Registered investment company	-	1,181,984
*	Principal LifeTm 2035 Sep Acct+	Registered investment company	-	975,246
*	Principal LifeTm 2040 Sep Acct+	Registered investment company	-	1,051,013
*	Principal LifeTm 2045 Sep Acct+	Registered investment company	-	697,082
*	Principal LifeTm 2050 Sep Acct+	Registered investment company	-	790,276
*	Principal LifeTm 2055 Sep Acct+	Registered investment company	-	837,241
*	Principal LifeTm 2060 Sep Acct+	Registered investment company	-	306,810
*	Principal LifeTm 2065 Sep Acct+	Registered investment company	-	15,927
*	Principal LifeTm Str Inc Sep Acct+	Registered investment company	-	88,601
*	SmallCap S&P 600 Index SA+	Registered investment company	-	520,354
*	SmallCap Separate Acct+	Registered investment company	-	62,493
*	U.S. Property Sep Acct	Registered investment company	-	49,678
	Total Pooled Separate Accounts		-	9,448,619

* Parties-in-interest.

^ Cost information may be omitted with respect to participant-directed transactions under an individual account plan.

KNOWESIS RETIREMENT PLAN
 EIN: 30-0440588
 FORM 5500 - SCHEDULE H, LINE 4i
 SCHEDULE OF ASSETS (HELD AT END OF YEAR)
 DECEMBER 31, 2022
 (continued)

(a)	(b) Identity of issue, borrower, lessor or similar party	(c) Description of investment, including maturity date, rate of interest, collateral, par or maturity value	(d) Cost ^ (Unaudited)	(e) Current Value
	Mutual Funds			
	AB Large Cap Growth R Fund	Registered investment company	-	456,009
	Allspring Spec Mid Cap Value R	Registered investment company	-	139,575
	Amer Funds New World R3 Fund	Registered investment company	-	34,039
	CarillonEagle MidCapGwth R3 Fd	Registered investment company	-	92,950
	Columbia SM Cap Growth R Fd	Registered investment company	-	56,785
	Franklin Sm Cap Growth R Fd	Registered investment company	-	5,400
	Invesco Intl Equity R Fund	Registered investment company	-	167,775
	MFS Research Intl R2 Fund	Registered investment company	-	7,752
	PGIM High Yield R Fund	Registered investment company	-	59,524
	PIMCO Income R Fund	Registered investment company	-	41,602
	Western Asset Cr Pls Bond R Fd	Registered investment company	-	112,286
	Total Mutual Funds		<u>-</u>	<u>1,173,697</u>
*	Notes Receivable from Participants	Maturity dates through March 2028, rates of interest 5.25-10.00%	<u>-</u>	<u>38,978</u>
	Total Investments		<u><u>\$ -</u></u>	<u><u>\$ 10,661,294</u></u>

* Parties-in-interest.

^ Cost information may be omitted with respect to participant-directed transactions under an individual account plan.

Form 5500 Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Annual Return/Report of Employee Benefit Plan This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code). ▶ Complete all entries in accordance with the instructions to the Form 5500.	OMB Nos. 1210-0110 1210-0089 2022 This Form is Open to Public Inspection
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Part I Annual Report Identification Information	
For calendar plan year 2022 or fiscal plan year beginning <u>01/01/2022</u> and ending <u>12/31/2022</u>	
A This return/report is for:	☐ a multiemployer plan ☐ a multiple-employer plan (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.) ☒ a single-employer plan ☐ a DFE (specify) _____
B This return/report is:	☐ the first return/report ☐ the final return/report ☐ an amended return/report ☐ a short plan year return/report (less than 12 months)
C If the plan is a collectively-bargained plan, check here.	☐
D Check box if filing under:	☒ Form 5558 ☐ automatic extension ☐ the DFVC program ☐ special extension (enter description)
E If this is a retroactively adopted plan permitted by SECURE Act section 201, check here.	☐

Part II Basic Plan Information—enter all requested information		
1a Name of plan KNOWESIS RETIREMENT PLAN	1b Three-digit plan number (PN) ▶	001
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) KNOWESIS, INC. 8280 WILLOW OAKS CORP DR, SUITE 475 FAIRFAX VA 22031	1c Effective date of plan	09/01/2008
	2b Employer Identification Number (EIN)	30-0440588
	2c Plan Sponsor's telephone number	703-942-8560
	2d Business code (see instructions)	541511

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		Oct 10, 2023	Steve Flowers
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE		Oct 10, 2023	Sheilah O'Brien
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2022)
v. 220413

Form 5500 annual return/Report of Employee Benefit Plan
Schedule H Line 4i – Schedule of Assets (Held at End of Year)

See Supplemental Schedule attached with IQPA Opinion and Financial Statements.