

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). <p style="text-align: center;">▶ Complete all entries in accordance with the instructions to the Form 5500.</p>	OMB Nos. 1210-0110 1210-0089 <div style="text-align: center; font-size: 24pt; font-weight: bold;">2018</div> This Form is Open to Public Inspection
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Part I	Annual Report Identification Information For calendar plan year 2018 or fiscal plan year beginning <u>01/01/2018</u> and ending <u>12/31/2018</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)

Part II	Basic Plan Information—enter all requested information		
1a Name of plan <u>ELLUCIAN RETIREMENT PLAN</u>	1b Three-digit plan number (PN) ▶	<u>001</u>	
2a Plan sponsor's name (employer, if for a single-employer plan) Mailing address (include room, apt., suite no. and street, or P.O. Box) City or town, state or province, country, and ZIP or foreign postal code (if foreign, see instructions) <u>SOPHIA, L.P.</u> <u>2003 EDMUND HALLEY DRIVE, SUITE 500</u> <u>RESTON, VA 20191</u>	1c Effective date of plan <u>01/20/2012</u>	2b Employer Identification Number (EIN) <u>45-3182708</u>	
		2c Plan Sponsor's telephone number <u>703-968-9000</u>	
		2d Business code (see instructions) <u>541512</u>	

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

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

SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2019	STACEY MAGNESS
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/15/2019	STACEY MAGNESS
	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 (2018)
v. 171027

3a Plan administrator's name and address ☒ Same as Plan Sponsor	3b Administrator's EIN 3c Administrator's telephone number <div style="background-color: #cccccc; height: 40px; width: 100%;"></div>
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 3213
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested	6a(1) 2345 6a(2) 2378 6b 16 6c 912 6d 3306 6e 1 6f 3307 6g 3249 6h 0
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7
8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions: 2E 2F 2G 2J 2K 2R 2S 2T b If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristics Codes in the instructions:	

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

a Pension Schedules

- (1)** ☒ **R** (Retirement Plan Information)
- (2)** ☐ **MB** (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary
- (3)** ☐ **SB** (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary

b General Schedules

- (1)** ☒ **H** (Financial Information)
- (2)** ☐ **I** (Financial Information – Small Plan)
- (3)** ☐ **A** (Insurance Information)
- (4)** ☒ **C** (Service Provider Information)
- (5)** ☒ **D** (DFE/Participating Plan Information)
- (6)** ☐ **G** (Financial Transaction Schedules)

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

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

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

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

11c Enter the Receipt Confirmation Code for the 2018 Form M-1 annual report. If the plan was not required to file the 2018 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 _____

<div>SCHEDULE C</div> <div>(Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div> <div>Pension Benefit Guaranty Corporation</div>	<div>Service Provider Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>	OMB No. 1210-0110
		2018
		This Form is Open to Public Inspection.

For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan ELLUCIAN RETIREMENT PLAN	B Three-digit plan number (PN) ▶	001
C Plan sponsor's name as shown on line 2a of Form 5500 SOPHIA, L.P.	D Employer Identification Number (EIN) 45-3182708	

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
THE VANGUARD GROUP, INC.
23-1945930

(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)

THE VANGUARD GROUP, INC.

23-1945930

(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?
15 16 25 26 37 52	NONE	112094	Yes ☒ No ☐	Yes ☒ No ☐	0	Yes ☒ No ☐

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

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

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

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

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

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

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

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

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

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

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

Part I Service Provider Information (continued)

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

(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
THE VANGUARD GROUP, INC.	99	0
(d) Enter name and EIN (address) of source of indirect compensation DODGE & COX 94-1441976	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. 15 BPS	
(a) Enter service provider name as it appears on line 2	(b) Service Codes (see instructions)	(c) Enter amount of indirect compensation
THE VANGUARD GROUP, INC.	64	0
(d) Enter name and EIN (address) of source of indirect compensation PGIM INVESTMENTS 22-3468527	(e) Describe the indirect compensation, including any formula used to determine the service provider's eligibility for or the amount of the indirect compensation. 10 BPS	
(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:

<div>SCHEDULE D (Form 5500)</div> <div>Department of the Treasury Internal Revenue Service</div> <div>Department of Labor Employee Benefits Security Administration</div>		<div>DFE/Participating Plan Information</div> <div>This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA).</div> <div>▶ File as an attachment to Form 5500.</div>		<div>OMB No. 1210-0110</div> <div>2018</div> <div>This Form is Open to Public Inspection.</div>	
For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018					
A Name of plan ELLUCIAN RETIREMENT PLAN				B Three-digit plan number (PN) ▶ 001	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 SOPHIA, L.P.				D Employer Identification Number (EIN) 45-3182708	
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: VFTC RETIREMENT SAVINGS TRUST IV					
b Name of sponsor of entity listed in (a): VANGUARD FIDUCIARY TRUST COMPANY					
c EIN-PN 61-6451184-025		d Entity code C		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 15051427	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)	
a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code		e Dollar value of interest in MTIA, CCT, PSA, or	

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

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

SCHEDULE H (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2018 This Form is Open to Public Inspection
For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018		
A Name of plan ELLUCIAN RETIREMENT PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 SOPHIA, L.P.	D Employer Identification Number (EIN) 45-3182708	

Part I	Asset and Liability Statement		(a) Beginning of Year	(b) End of Year
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	Total noninterest-bearing cash	1a		
b	Receivables (less allowance for doubtful accounts):			
	(1) Employer contributions.....	1b(1)	213007	220622
	(2) Participant contributions	1b(2)	645930	663759
	(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)	4578712	4660315
	(9) Value of interest in common/collective trusts	1c(9)	11909055	15051427
	(10) Value of interest in pooled separate accounts	1c(10)		
	(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)	409458234	379687112
	(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
	(15) Other.....	1c(15)	147926	0

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	426952864	400283235

Liabilities

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

Net Assets

l Net assets (subtract line 1k from line 1f)	1l	426952864	400283235
---	-----------	-----------	-----------

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)	6443187	
(B) Participants	2a(1)(B)	21634756	
(C) Others (including rollovers)	2a(1)(C)	2813530	
(2) Noncash contributions	2a(2)		
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		30891473
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)	217661	
(F) Other	2b(1)(F)		
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		217661
(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)	21837726	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		21837726
(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)		295379
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(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)		-45123481
c Other income.....	2c		4123
d Total income. Add all income amounts in column (b) and enter total	2d		8122881

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	34667523	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)	11574	
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		34679097
f Corrective distributions (see instructions)	2f		17265
g Certain deemed distributions of participant loans (see instructions)	2g		-9814
h Interest expense.....	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees.....	2i(3)		
(4) Other	2i(4)	105962	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		105962
j Total expenses. Add all expense amounts in column (b) and enter total	2j		34792510

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-26669629
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) ☐ Unqualified (2) ☐ Qualified (3) ☒ Disclaimer (4) ☐ Adverse

b Did the accountant perform a limited scope audit pursuant to 29 CFR 2520.103-8 and/or 103-12(d)?

☒ Yes ☐ No

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

(1) Name: **BAKER TILLY VIRCHOW KRAUSE LLP**

(2) EIN: **39-0859910**

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.).....

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.)

	Yes	No	Amount
4a	X		9649
4b		X	

		Yes	No	Amount
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?	4e	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	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.)	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 If the plan is a defined benefit plan, is it covered under the PBGC insurance program (See ERISA section 4021.)? ☐ Yes ☐ No ☐ Not determined
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____. (See instructions.)

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 2018 This Form is Open to Public Inspection.
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For calendar plan year 2018 or fiscal plan year beginning 01/01/2018 and ending 12/31/2018

A Name of plan <u>ELLUCIAN RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>SOPHIA, L.P.</u>	D Employer Identification Number (EIN) <u>45-3182708</u>

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

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

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions	1	
2 Enter the EIN(s) of payor(s) who paid benefits on behalf of the plan to participants or beneficiaries during the year (if more than two, enter EINs of the two payors who paid the greatest dollar amounts of benefits): EIN(s): <u>23-2186884</u>		
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) 2018
v. 171027

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

a Name of contributing employer

b EIN

c Dollar amount contributed by employer

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

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

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

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

- 14** Enter the number of participants on whose behalf no contributions were made by an employer as an employer of the participant for:

a The current year

b The plan year immediately preceding the current plan year

c The second preceding plan year

14a**14b****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

b The corresponding number for the second preceding plan year

15a**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

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

16a**16b**

- 17** If assets and liabilities from another plan have been transferred to or merged with this plan during the plan year, check box and see instructions regarding supplemental information to be included as an attachment. ☐

Part VI Additional Information for Single-Employer and Multiemployer Defined Benefit Pension Plans

- 18** If any liabilities to participants or their beneficiaries under the plan as of the end of the plan year consist (in whole or in part) of liabilities to such participants and beneficiaries under two or more pension plans as of immediately before such plan year, check box and see instructions regarding supplemental information to be included as an attachment ☐

- 19** If the total number of participants is 1,000 or more, complete lines (a) through (c)

- a** Enter the percentage of plan assets held as:

Stock: _____ % Investment-Grade Debt: _____ % High-Yield Debt: _____ % Real Estate: _____ % Other: _____ %

- b** Provide the average duration of the combined investment-grade and high-yield debt:

☐ 0-3 years ☐ 3-6 years ☐ 6-9 years ☐ 9-12 years ☐ 12-15 years ☐ 15-18 years ☐ 18-21 years ☐ 21 years or more

- c** What duration measure was used to calculate line 19(b)?

☐ Effective duration ☐ Macaulay duration ☐ Modified duration ☐ Other (specify):

Ellucian Retirement Plan

**Financial Statements and
Supplementary Information**

December 31, 2018 and 2017

ELLUCIAN RETIREMENT PLAN
TABLE OF CONTENTS
DECEMBER 31, 2018 AND 2017

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Independent Auditors' Report

Participants and Plan Administrator
Ellucian Retirement Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of the Ellucian Retirement Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2018 and 2017, and the related statement of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA"), the plan administrator instructed us not to perform and we did not perform, any auditing procedures with respect to the information summarized in Note 9, which was certified by Vanguard Fiduciary Trust Company, the trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the trustee as of December 31, 2018 and 2017 and for the years then ended, that the information provided to the plan administrator by the trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplemental schedules Schedule H, Line 4(a), Schedule of Delinquent Participant Contributions and Schedule H, Line 4(i), Schedule of Assets (Held at End of Year) as of or for the year ended December 31, 2018 are required by the DOL's Rules and Regulations for Reporting and Disclosures under ERISA and are presented for the purpose of additional analysis and are not a required part of the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on these supplemental schedule.

Report on Form and Content in Compliance With DOL Rules and Regulations

The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Baker Tilly Virchow Krause, LLP

Philadelphia, Pennsylvania
October 14, 2019

ELLUCIAN RETIREMENT PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2018 AND 2017

	2018	2017
Assets		
Investments at fair value	\$ 394,738,539	\$ 421,515,215
Receivables:		
Notes receivable from participants	4,660,315	4,578,712
Participants contributions	663,759	645,930
Employer contributions	220,622	213,007
Total receivables	5,544,696	5,437,649
Total assets	400,283,235	426,952,864
Liabilities	—	—
Net assets available for benefits	\$ 400,283,235	\$ 426,952,864

See Notes to Financial Statements

ELLUCIAN RETIREMENT PLAN
STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEARS ENDED DECEMBER 31, 2018 AND 2017

	2018	2017
Additions		
Investment (loss) income:		
Net (depreciation) appreciation in fair value of investments	\$ (45,123,481)	\$ 50,177,005
Interest and dividends	22,133,105	18,827,857
Total investment (loss) income	<u>(22,990,376)</u>	<u>69,004,862</u>
Interest income on notes receivable from participants	<u>217,661</u>	<u>193,107</u>
Contributions:		
Participants	21,634,756	21,267,257
Employer	6,443,187	6,278,034
Rollovers	2,813,530	3,759,840
Total contributions	<u>30,891,473</u>	<u>31,305,131</u>
Other income	4,123	38,685
Total additions	<u>8,122,881</u>	<u>100,541,785</u>
Deductions		
Benefits paid to participants and beneficiaries	34,686,548	34,148,171
Administrative expenses	105,962	76,542
Total deductions	<u>34,792,510</u>	<u>34,224,713</u>
Net (decrease) increase	(26,669,629)	66,317,072
Net Assets Available for Benefits		
Beginning of year	426,952,864	360,635,792
End of year	<u>\$ 400,283,235</u>	<u>\$ 426,952,864</u>

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

1. Description of the Plan

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

General

The Plan is a defined contribution plan for the employees of Ellucian (the "Company") covering all U.S. eligible employees on a voluntary participation basis. Employees are eligible for participation upon one hour of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

The Plan was amended and restated as of January 1, 2015 to allow for partial distributions of vested accounts effective October 12, 2015.

Contributions

Contributions consist of participant contributions and Company matching contributions.

Each year, participants may contribute from 1% to 100% of their eligible wages on a combined pre-tax and/or Roth after-tax basis as defined in the plan document. Contributions are subject to certain Internal Revenue Service ("IRS") limitations.

Participants who will attain age 50 before the end of the plan year are eligible to make catch-up contributions, on a combined pre-tax and Roth after-tax basis. The maximum rate of contribution is 100% of eligible compensation up to the IRS combined limit of \$18,500 and \$18,000 for the 2018 and 2017 plan years, respectively (\$24,500 and \$24,000 for participants 50 and older, respectively).

Company matching contributions are made on pre-tax and Roth after-tax contributions at 50% of each participant contribution up to 6% that each participant contributes to the Plan on a combined basis. These contributions are allocated among the investment options in a manner consistent with participant contributions. Participants are fully vested immediately in all contributions plus earnings thereon. New employees are automatically enrolled in the Plan at a pre-tax savings rate of 3% via payroll deduction with contributions being directed to a target date retirement fund, chosen based on the employee's age and projected retirement date. Employees have the option to opt out of this program or to contribute an amount different than the automatic contribution amount and to invest in funds other than the plan's qualified default investment alternative.

Participant Accounts

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Vesting

Participants are immediately vested in their contributions and the Company's contributions plus actual earnings thereon.

Notes Receivable from Participants

Loans are available to participants based, with certain limitations, on the lesser of 50% of the participant's aggregate vested account balance or \$50,000 with a minimum request of \$1,000. Participant loans are secured by the balance in the participant's account and bear interest at a fixed rate, commensurate with local prevailing rates as of the date of the loan, which approximates the prime interest rate plus 1%. Interest rates on loans at December 31, 2018 ranged from 4.25% to 10.25%, with the maturity ranging from 2019 to 2033. Loans are repayable within five years unless the loan was taken for the purpose of acquiring the participant's principal residence, in which case the term of the loan may be for a period longer than five years.

Repayments of loan principal are made through semi-monthly payroll deductions. Payments of interest on loans, also made through semi-monthly payroll deductions, are allocated to the participant's investment funds in a manner consistent with the allocation of the participant's elective contributions.

Payment of Benefits

Distributions from the Plan are permitted upon retirement, death, permanent disability, termination of employment, qualified hardship, age 59½ or partial distribution of vested accounts.

Distributions in excess of \$1,000 are made in either single lump sum payments or installments as designated by the participant. Distributions of less than \$1,000 are made in single lump sum payments.

Forfeited Accounts

Forfeitures consist of Company match contributions changes as a result of participant contribution adjustments during the year. Forfeitures may be used to reduce future Company matching contributions or defray administrative expenses borne by the Plan. At December 31, 2018 and 2017, forfeitures totaled \$72,822 and \$72,542, respectively. Forfeited account balances of \$4,461 and \$21,897 were used to offset Company contributions in 2018 and 2017, respectively.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Use of Estimates

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Investment Valuation and Income Recognition

The Plan's 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 Investment Committee determines the Plan's valuation policies utilizing information provided by the trustee. See Note 3 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. Capital gain distributions are included in dividend income. The net (depreciation)/appreciation in the fair value of investments consists of gains or losses on investments bought and sold as well as held during the year.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Related fees are recorded as administrative expenses and are expensed when they are incurred. Interest income is recorded on the accrual basis. If a participant ceases to make loan repayments and the plan administrator deems the participant loan to be in default, the participant loan balance is reduced and a benefit payment is recorded. No allowance for credit losses has been recorded as of December 31, 2018 and 2017.

Expenses

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

Payment of Benefits

Benefits are recorded when paid.

Subsequent Events

The Plan has evaluated subsequent events for recognition or disclosure through October 14, 2019, the date the financial statements were available to be issued.

3. Fair Value Measurements

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

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Level 2 - Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, such as:

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

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

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

The asset 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 maximize the use of relevant observables and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2018 and 2017.

Mutual funds are valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily quoted net asset value ("NAV") and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

The brokerage option consists of common stocks, which are valued at the closing price reported on the active markets on which the individual securities are traded.

The collective trust fund is valued at the NAV of units of a bank collective trust. The NAV, as provided by the trustee, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV. Participant transactions (purchases and sales) may occur daily. Were the Plan to initiate a full redemption of the collective trust fund, the investment adviser reserves the right to temporarily delay withdrawal from the trust fund in order to ensure that securities liquidations will be carried out in an orderly business fashion.

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2018 and 2017:

Assets at Fair Value as of December 31, 2018				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 379,687,112	\$ —	\$ —	\$ 379,687,112
Total assets in the fair value hierarchy	<u>\$ 379,687,112</u>	<u>\$ —</u>	<u>\$ —</u>	379,687,112
Investments measured at net asset value (a)				<u>15,051,427</u>
Investments at fair value				<u>\$ 394,738,539</u>

Assets at Fair Value as of December 31, 2017				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 409,458,234	\$ —	\$ —	\$ 409,458,234
Brokerage option	147,926	—	—	147,926
Total assets in the fair value hierarchy	<u>\$ 409,606,160</u>	<u>\$ —</u>	<u>\$ —</u>	409,606,160
Investments measured at net asset value (a)				<u>11,909,055</u>
Investments at fair value				<u>\$ 421,515,215</u>

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

Investments Measured Using NAV per Share Practical Expedient

The following table summarizes investments for which fair value is measured using NAV per share practical expedient as of December 31, 2018 and 2017, respectively. There are no participant redemption restrictions for these investments; the redemption notice period is applicable only to the Plan.

December 31, 2018				
	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Collective trust fund, Vanguard Retirement Trust	\$ 15,051,427	N/A	Daily	N/A
December 31, 2017				
Collective trust fund, Vanguard Retirement Trust	\$ 11,909,055	N/A	Daily	N/A

4. 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.

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

5. Related Party and Party In Interest Transactions

Certain of the Plan's investments are managed by Vanguard Fiduciary Trust Company, the trustee of the Plan ("Trustee"), and therefore, these transactions qualify as party in interest transactions. Fees incurred by the Plan for the investment manager services are included in net (depreciation)/appreciation in the fair value of the investment, as they are paid through revenue sharing, rather than a direct payment. Additionally, the Plan issues loans to participants, which are secured by the participant's account balances. These transactions qualify as party in interest transactions.

Certain administrative functions of the Plan are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan.

6. Tax Status

The Plan adopted a Prototype Non-standardized Profit Sharing Plan document, which received an opinion letter dated May 28, 2014, in which the IRS stated that the Plan is designed in compliance with the applicable requirements of the Internal Revenue Code ("IRC"). The Prototype Non-standardized Profit Sharing Plan opinion letter may constitute reliance for an employer adopting the approved plan. Although the Plan has been amended since receiving this opinion letter, the plan administrator believes that the Plan is currently designed and 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.

Accounting principles generally accepted in the United States of America require management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

7. Administration of Plan Assets

The Plan's assets are administered under a contract with the Trustee. The Trustee invests funds received from contributions, investment sales, interest, and dividend income and makes distribution payments to participants.

8. Risks and Uncertainties

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

As of December 31, 2018, the Plan had no investments that represented more than 10% of total investments. As of December 31, 2017, the Plan had investments of \$61,504,699 that were concentrated in one fund and represented more than 10% of total investments.

9. Information Certified by the Trustee

The plan administrator has elected the method of compliance as permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA for 2018 and 2017. Accordingly, the Trustee, has certified to the completeness and accuracy of all investments reported in the accompanying Statement of Net Assets Available for Benefits as of December 31, 2018 and 2017, the supplemental Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2018, and the related investment activity reported in the Statement of Changes in Net Assets Available for Benefits for the years ended December 31, 2018 and 2017.

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

10. Delinquent Participant Contributions

For the year ended December 31, 2018, the Company did not remit certain participant contributions to the Plan on a timely basis as defined by the Department of Labor's Rules and Regulations for Reporting and Delinquent Participant Contributions Disclosure under ERISA. Untimely remittances identified on the Schedule of Delinquent Participant Contributions totaled \$9,649. The Company corrected certain delinquent participant contributions in 2018, and is in the process of correcting the remaining late remittances in 2019. Additionally, the Company has compensated participants for lost earnings resulting from delay in contributions.

ELLUCIAN RETIREMENT PLAN

Schedule H, Line 4(a) - Schedule of Delinquent Participant Contributions

EIN: 45-3182708 Plan Number: 001

December 31, 2018

Participant Contributions Transferred Late to the Plan⁽¹⁾	Total that Constitute Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP and PTE 2002-51
	Contributions not Corrected	Contributions Corrected Outside of VFCP	Contributions Pending Correction in VFCP	
\$ 9,649	\$ 3,788	\$ 5,861	\$ —	\$ —

(1) Amount does not include participant loan repayments.

ELLUCIAN RETIREMENT PLAN

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

EIN: 45-3182708 Plan Number: 001

December 31, 2018

(a)	Identity of Issue (b)	Description of Investment (c)	Cost (d)	Current Value (e)
	Mutual funds	Allianz RCM Global Technology Fund - Institutional Shares	N/R	\$ 9,247,750
		Dodge & Cox International Stock Fund	N/R	4,673,653
		MFS International Value Fund; Class R3 Shares	N/R	2,146,549
		PIMCO Total Return Fund; Institutional Class	N/R	5,172,458
		Prudential Jennison Mid-Cap Growth Fund; Class Z	N/R	7,644,376
*		Vanguard Explorer Fund Admiral Shares	N/R	13,350,525
*		Vanguard GNMA Fund Investor Shares	N/R	5,759,569
*		Vanguard Inflation-Protected Securities Fund: Inv Shares	N/R	1,696,435
*		Vanguard International Growth Fund Admiral Shares	N/R	10,839,789
*		Vanguard Morgan Growth Fund Admiral Shares	N/R	24,883,844
*		Vanguard Prime Money Market Fund Admiral Shares	N/R	72,822
*		Vanguard Selected Value Fund	N/R	4,602,339
*		Vanguard Target Retirement 2015 Fund	N/R	8,018,308
*		Vanguard Target Retirement 2020 Fund	N/R	16,076,142
*		Vanguard Target Retirement 2025 Fund	N/R	35,848,032
*		Vanguard Target Retirement 2030 Fund	N/R	34,593,627
*		Vanguard Target Retirement 2035 Fund	N/R	37,038,049
*		Vanguard Target Retirement 2040 Fund	N/R	29,735,523
*		Vanguard Target Retirement 2045 Fund	N/R	19,314,148
*		Vanguard Target Retirement 2050 Fund	N/R	8,770,228
*		Vanguard Target Retirement 2055 Fund	N/R	3,270,627
*		Vanguard Target Retirement 2060 Fund	N/R	991,749
*		Vanguard Target Retirement 2065 Fund	N/R	1,620
*		Vanguard Target Retirement Income	N/R	2,864,385
*		Vanguard Total Bond Market Index Fund Investor Shares	N/R	8,992,439
*		Vanguard Total International Stock Index Fund	N/R	9,521,551
*		Vanguard Wellesley Income Fund Admiral Shares	N/R	10,860,734
*		Vanguard Wellington Fund Admiral Shares	N/R	26,664,396
*		Vanguard Windsor Fund Admiral Shares	N/R	21,167,107
*		Vanguard Total International Bond Index Fund Admiral Shares	N/R	474,481
*		Vanguard Total Stock Market Index Fund Admiral Shares	N/R	15,393,857
*	Collective trust fund	Vanguard Retirement Savings Trust IV	N/R	15,051,427
*	Notes receivable from participants	Interest rates range: 4.25% - 10.25%	- 0 -	4,660,315
		Total		<u>\$ 399,398,854</u>

* A party in interest as defined by ERISA

N/R - cost omitted for participant directed investments

Ellucian Retirement Plan

**Financial Statements and
Supplementary Information**

December 31, 2018 and 2017

ELLUCIAN RETIREMENT PLAN
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Independent Auditors' Report

Participants and Plan Administrator
Ellucian Retirement Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of the Ellucian Retirement Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2018 and 2017, and the related statement of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA"), the plan administrator instructed us not to perform and we did not perform, any auditing procedures with respect to the information summarized in Note 9, which was certified by Vanguard Fiduciary Trust Company, the trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the trustee as of December 31, 2018 and 2017 and for the years then ended, that the information provided to the plan administrator by the trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplemental schedules Schedule H, Line 4(a), Schedule of Delinquent Participant Contributions and Schedule H, Line 4(i), Schedule of Assets (Held at End of Year) as of or for the year ended December 31, 2018 are required by the DOL's Rules and Regulations for Reporting and Disclosures under ERISA and are presented for the purpose of additional analysis and are not a required part of the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on these supplemental schedule.

Report on Form and Content in Compliance With DOL Rules and Regulations

The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Baker Tilly Virchow Krause, LLP

Philadelphia, Pennsylvania
October 14, 2019

ELLUCIAN RETIREMENT PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2018 AND 2017

	2018	2017
Assets		
Investments at fair value	\$ 394,738,539	\$ 421,515,215
Receivables:		
Notes receivable from participants	4,660,315	4,578,712
Participants contributions	663,759	645,930
Employer contributions	220,622	213,007
Total receivables	5,544,696	5,437,649
Total assets	400,283,235	426,952,864
Liabilities	—	—
Net assets available for benefits	\$ 400,283,235	\$ 426,952,864

See Notes to Financial Statements

ELLUCIAN RETIREMENT PLAN
STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEARS ENDED DECEMBER 31, 2018 AND 2017

	2018	2017
Additions		
Investment (loss) income:		
Net (depreciation) appreciation in fair value of investments	\$ (45,123,481)	\$ 50,177,005
Interest and dividends	22,133,105	18,827,857
Total investment (loss) income	<u>(22,990,376)</u>	<u>69,004,862</u>
Interest income on notes receivable from participants	<u>217,661</u>	<u>193,107</u>
Contributions:		
Participants	21,634,756	21,267,257
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Deductions		
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Administrative expenses	105,962	76,542
Total deductions	<u>34,792,510</u>	<u>34,224,713</u>
Net (decrease) increase	(26,669,629)	66,317,072
Net Assets Available for Benefits		
Beginning of year	426,952,864	360,635,792
End of year	<u>\$ 400,283,235</u>	<u>\$ 426,952,864</u>

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

1. Description of the Plan

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

General

The Plan is a defined contribution plan for the employees of Ellucian (the "Company") covering all U.S. eligible employees on a voluntary participation basis. Employees are eligible for participation upon one hour of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

The Plan was amended and restated as of January 1, 2015 to allow for partial distributions of vested accounts effective October 12, 2015.

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Each year, participants may contribute from 1% to 100% of their eligible wages on a combined pre-tax and/or Roth after-tax basis as defined in the plan document. Contributions are subject to certain Internal Revenue Service ("IRS") limitations.

Participants who will attain age 50 before the end of the plan year are eligible to make catch-up contributions, on a combined pre-tax and Roth after-tax basis. The maximum rate of contribution is 100% of eligible compensation up to the IRS combined limit of \$18,500 and \$18,000 for the 2018 and 2017 plan years, respectively (\$24,500 and \$24,000 for participants 50 and older, respectively).

Company matching contributions are made on pre-tax and Roth after-tax contributions at 50% of each participant contribution up to 6% that each participant contributes to the Plan on a combined basis. These contributions are allocated among the investment options in a manner consistent with participant contributions. Participants are fully vested immediately in all contributions plus earnings thereon. New employees are automatically enrolled in the Plan at a pre-tax savings rate of 3% via payroll deduction with contributions being directed to a target date retirement fund, chosen based on the employee's age and projected retirement date. Employees have the option to opt out of this program or to contribute an amount different than the automatic contribution amount and to invest in funds other than the plan's qualified default investment alternative.

Participant Accounts

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Vesting

Participants are immediately vested in their contributions and the Company's contributions plus actual earnings thereon.

Notes Receivable from Participants

Loans are available to participants based, with certain limitations, on the lesser of 50% of the participant's aggregate vested account balance or \$50,000 with a minimum request of \$1,000. Participant loans are secured by the balance in the participant's account and bear interest at a fixed rate, commensurate with local prevailing rates as of the date of the loan, which approximates the prime interest rate plus 1%. Interest rates on loans at December 31, 2018 ranged from 4.25% to 10.25%, with the maturity ranging from 2019 to 2033. Loans are repayable within five years unless the loan was taken for the purpose of acquiring the participant's principal residence, in which case the term of the loan may be for a period longer than five years.

Repayments of loan principal are made through semi-monthly payroll deductions. Payments of interest on loans, also made through semi-monthly payroll deductions, are allocated to the participant's investment funds in a manner consistent with the allocation of the participant's elective contributions.

Payment of Benefits

Distributions from the Plan are permitted upon retirement, death, permanent disability, termination of employment, qualified hardship, age 59½ or partial distribution of vested accounts.

Distributions in excess of \$1,000 are made in either single lump sum payments or installments as designated by the participant. Distributions of less than \$1,000 are made in single lump sum payments.

Forfeited Accounts

Forfeitures consist of Company match contributions changes as a result of participant contribution adjustments during the year. Forfeitures may be used to reduce future Company matching contributions or defray administrative expenses borne by the Plan. At December 31, 2018 and 2017, forfeitures totaled \$72,822 and \$72,542, respectively. Forfeited account balances of \$4,461 and \$21,897 were used to offset Company contributions in 2018 and 2017, respectively.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Use of Estimates

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Investment Valuation and Income Recognition

The Plan's 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 Investment Committee determines the Plan's valuation policies utilizing information provided by the trustee. See Note 3 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. Capital gain distributions are included in dividend income. The net (depreciation)/appreciation in the fair value of investments consists of gains or losses on investments bought and sold as well as held during the year.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Related fees are recorded as administrative expenses and are expensed when they are incurred. Interest income is recorded on the accrual basis. If a participant ceases to make loan repayments and the plan administrator deems the participant loan to be in default, the participant loan balance is reduced and a benefit payment is recorded. No allowance for credit losses has been recorded as of December 31, 2018 and 2017.

Expenses

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

Payment of Benefits

Benefits are recorded when paid.

Subsequent Events

The Plan has evaluated subsequent events for recognition or disclosure through October 14, 2019, the date the financial statements were available to be issued.

3. Fair Value Measurements

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

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Level 2 - Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, such as:

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

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

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

The asset 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 maximize the use of relevant observables and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2018 and 2017.

Mutual funds are valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily quoted net asset value ("NAV") and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

The brokerage option consists of common stocks, which are valued at the closing price reported on the active markets on which the individual securities are traded.

The collective trust fund is valued at the NAV of units of a bank collective trust. The NAV, as provided by the trustee, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV. Participant transactions (purchases and sales) may occur daily. Were the Plan to initiate a full redemption of the collective trust fund, the investment adviser reserves the right to temporarily delay withdrawal from the trust fund in order to ensure that securities liquidations will be carried out in an orderly business fashion.

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2018 and 2017:

Assets at Fair Value as of December 31, 2018				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 379,687,112	\$ —	\$ —	\$ 379,687,112
Total assets in the fair value hierarchy	<u>\$ 379,687,112</u>	<u>\$ —</u>	<u>\$ —</u>	379,687,112
Investments measured at net asset value (a)				<u>15,051,427</u>
Investments at fair value				<u>\$ 394,738,539</u>

Assets at Fair Value as of December 31, 2017				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 409,458,234	\$ —	\$ —	\$ 409,458,234
Brokerage option	147,926	—	—	147,926
Total assets in the fair value hierarchy	<u>\$ 409,606,160</u>	<u>\$ —</u>	<u>\$ —</u>	409,606,160
Investments measured at net asset value (a)				<u>11,909,055</u>
Investments at fair value				<u>\$ 421,515,215</u>

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

Investments Measured Using NAV per Share Practical Expedient

The following table summarizes investments for which fair value is measured using NAV per share practical expedient as of December 31, 2018 and 2017, respectively. There are no participant redemption restrictions for these investments; the redemption notice period is applicable only to the Plan.

December 31, 2018				
	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Collective trust fund, Vanguard Retirement Trust	\$ 15,051,427	N/A	Daily	N/A
December 31, 2017				
Collective trust fund, Vanguard Retirement Trust	\$ 11,909,055	N/A	Daily	N/A

4. 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.

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

5. Related Party and Party In Interest Transactions

Certain of the Plan's investments are managed by Vanguard Fiduciary Trust Company, the trustee of the Plan ("Trustee"), and therefore, these transactions qualify as party in interest transactions. Fees incurred by the Plan for the investment manager services are included in net (depreciation)/appreciation in the fair value of the investment, as they are paid through revenue sharing, rather than a direct payment. Additionally, the Plan issues loans to participants, which are secured by the participant's account balances. These transactions qualify as party in interest transactions.

Certain administrative functions of the Plan are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan.

6. Tax Status

The Plan adopted a Prototype Non-standardized Profit Sharing Plan document, which received an opinion letter dated May 28, 2014, in which the IRS stated that the Plan is designed in compliance with the applicable requirements of the Internal Revenue Code ("IRC"). The Prototype Non-standardized Profit Sharing Plan opinion letter may constitute reliance for an employer adopting the approved plan. Although the Plan has been amended since receiving this opinion letter, the plan administrator believes that the Plan is currently designed and 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.

Accounting principles generally accepted in the United States of America require management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

7. Administration of Plan Assets

The Plan's assets are administered under a contract with the Trustee. The Trustee invests funds received from contributions, investment sales, interest, and dividend income and makes distribution payments to participants.

8. Risks and Uncertainties

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

As of December 31, 2018, the Plan had no investments that represented more than 10% of total investments. As of December 31, 2017, the Plan had investments of \$61,504,699 that were concentrated in one fund and represented more than 10% of total investments.

9. Information Certified by the Trustee

The plan administrator has elected the method of compliance as permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA for 2018 and 2017. Accordingly, the Trustee, has certified to the completeness and accuracy of all investments reported in the accompanying Statement of Net Assets Available for Benefits as of December 31, 2018 and 2017, the supplemental Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2018, and the related investment activity reported in the Statement of Changes in Net Assets Available for Benefits for the years ended December 31, 2018 and 2017.

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

10. Delinquent Participant Contributions

For the year ended December 31, 2018, the Company did not remit certain participant contributions to the Plan on a timely basis as defined by the Department of Labor's Rules and Regulations for Reporting and Delinquent Participant Contributions Disclosure under ERISA. Untimely remittances identified on the Schedule of Delinquent Participant Contributions totaled \$9,649. The Company corrected certain delinquent participant contributions in 2018, and is in the process of correcting the remaining late remittances in 2019. Additionally, the Company has compensated participants for lost earnings resulting from delay in contributions.

ELLUCIAN RETIREMENT PLAN

Schedule H, Line 4(a) - Schedule of Delinquent Participant Contributions

EIN: 45-3182708 Plan Number: 001

December 31, 2018

Participant Contributions Transferred Late to the Plan⁽¹⁾	Total that Constitute Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP and PTE 2002-51
	Contributions not Corrected	Contributions Corrected Outside of VFCP	Contributions Pending Correction in VFCP	
\$ 9,649	\$ 3,788	\$ 5,861	\$ —	\$ —

(1) Amount does not include participant loan repayments.

ELLUCIAN RETIREMENT PLAN

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

EIN: 45-3182708 Plan Number: 001

December 31, 2018

(a)	Identity of Issue (b)	Description of Investment (c)	Cost (d)	Current Value (e)
	Mutual funds	Allianz RCM Global Technology Fund - Institutional Shares	N/R	\$ 9,247,750
		Dodge & Cox International Stock Fund	N/R	4,673,653
		MFS International Value Fund; Class R3 Shares	N/R	2,146,549
		PIMCO Total Return Fund; Institutional Class	N/R	5,172,458
		Prudential Jennison Mid-Cap Growth Fund; Class Z	N/R	7,644,376
*		Vanguard Explorer Fund Admiral Shares	N/R	13,350,525
*		Vanguard GNMA Fund Investor Shares	N/R	5,759,569
*		Vanguard Inflation-Protected Securities Fund: Inv Shares	N/R	1,696,435
*		Vanguard International Growth Fund Admiral Shares	N/R	10,839,789
*		Vanguard Morgan Growth Fund Admiral Shares	N/R	24,883,844
*		Vanguard Prime Money Market Fund Admiral Shares	N/R	72,822
*		Vanguard Selected Value Fund	N/R	4,602,339
*		Vanguard Target Retirement 2015 Fund	N/R	8,018,308
*		Vanguard Target Retirement 2020 Fund	N/R	16,076,142
*		Vanguard Target Retirement 2025 Fund	N/R	35,848,032
*		Vanguard Target Retirement 2030 Fund	N/R	34,593,627
*		Vanguard Target Retirement 2035 Fund	N/R	37,038,049
*		Vanguard Target Retirement 2040 Fund	N/R	29,735,523
*		Vanguard Target Retirement 2045 Fund	N/R	19,314,148
*		Vanguard Target Retirement 2050 Fund	N/R	8,770,228
*		Vanguard Target Retirement 2055 Fund	N/R	3,270,627
*		Vanguard Target Retirement 2060 Fund	N/R	991,749
*		Vanguard Target Retirement 2065 Fund	N/R	1,620
*		Vanguard Target Retirement Income	N/R	2,864,385
*		Vanguard Total Bond Market Index Fund Investor Shares	N/R	8,992,439
*		Vanguard Total International Stock Index Fund	N/R	9,521,551
*		Vanguard Wellesley Income Fund Admiral Shares	N/R	10,860,734
*		Vanguard Wellington Fund Admiral Shares	N/R	26,664,396
*		Vanguard Windsor Fund Admiral Shares	N/R	21,167,107
*		Vanguard Total International Bond Index Fund Admiral Shares	N/R	474,481
*		Vanguard Total Stock Market Index Fund Admiral Shares	N/R	15,393,857
*	Collective trust fund	Vanguard Retirement Savings Trust IV	N/R	15,051,427
*	Notes receivable from participants	Interest rates range: 4.25% - 10.25%	- 0 -	4,660,315
		Total		<u>\$ 399,398,854</u>

* A party in interest as defined by ERISA

N/R - cost omitted for participant directed investments

Ellucian Retirement Plan

**Financial Statements and
Supplementary Information**

December 31, 2018 and 2017

ELLUCIAN RETIREMENT PLAN
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Independent Auditors' Report

Participants and Plan Administrator
Ellucian Retirement Plan

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of the Ellucian Retirement Plan (the "Plan"), which comprise the statement of net assets available for benefits as of December 31, 2018 and 2017, and the related statement of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes 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.

Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on conducting the audits in accordance with auditing standards generally accepted in the United States of America. Because of the matter described in the Basis for Disclaimer of Opinion paragraph, however, we were not able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion.

Basis for Disclaimer of Opinion

As permitted by 29 CFR 2520.103-8 of the Department of Labor's ("DOL") Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974 ("ERISA"), the plan administrator instructed us not to perform and we did not perform, any auditing procedures with respect to the information summarized in Note 9, which was certified by Vanguard Fiduciary Trust Company, the trustee of the Plan, except for comparing such information with the related information included in the financial statements. We have been informed by the plan administrator that the trustee holds the Plan's investment assets and executes investment transactions. The plan administrator has obtained a certification from the trustee as of December 31, 2018 and 2017 and for the years then ended, that the information provided to the plan administrator by the trustee is complete and accurate.

Disclaimer of Opinion

Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we have not been able to obtain sufficient appropriate audit evidence to provide a basis for an audit opinion. Accordingly, we do not express an opinion on these financial statements.

Other Matter

The supplemental schedules Schedule H, Line 4(a), Schedule of Delinquent Participant Contributions and Schedule H, Line 4(i), Schedule of Assets (Held at End of Year) as of or for the year ended December 31, 2018 are required by the DOL's Rules and Regulations for Reporting and Disclosures under ERISA and are presented for the purpose of additional analysis and are not a required part of the financial statements. Because of the significance of the matter described in the Basis for Disclaimer of Opinion paragraph, we do not express an opinion on these supplemental schedule.

Report on Form and Content in Compliance With DOL Rules and Regulations

The form and content of the information included in the financial statements and supplemental schedule, other than that derived from the information certified by the trustee, have been audited by us in accordance with auditing standards generally accepted in the United States of America and, in our opinion, are presented in compliance with the DOL's Rules and Regulations for Reporting and Disclosure under ERISA.

Baker Tilly Virchow Krause, LLP

Philadelphia, Pennsylvania
October 14, 2019

ELLUCIAN RETIREMENT PLAN
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
DECEMBER 31, 2018 AND 2017

	2018	2017
Assets		
Investments at fair value	\$ 394,738,539	\$ 421,515,215
Receivables:		
Notes receivable from participants	4,660,315	4,578,712
Participants contributions	663,759	645,930
Employer contributions	220,622	213,007
Total receivables	5,544,696	5,437,649
Total assets	400,283,235	426,952,864
Liabilities	—	—
Net assets available for benefits	\$ 400,283,235	\$ 426,952,864

See Notes to Financial Statements

ELLUCIAN RETIREMENT PLAN
STATEMENTS OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
YEARS ENDED DECEMBER 31, 2018 AND 2017

	2018	2017
Additions		
Investment (loss) income:		
Net (depreciation) appreciation in fair value of investments	\$ (45,123,481)	\$ 50,177,005
Interest and dividends	22,133,105	18,827,857
Total investment (loss) income	<u>(22,990,376)</u>	<u>69,004,862</u>
Interest income on notes receivable from participants	<u>217,661</u>	<u>193,107</u>
Contributions:		
Participants	21,634,756	21,267,257
Employer	6,443,187	6,278,034
Rollovers	2,813,530	3,759,840
Total contributions	<u>30,891,473</u>	<u>31,305,131</u>
Other income	4,123	38,685
Total additions	<u>8,122,881</u>	<u>100,541,785</u>
Deductions		
Benefits paid to participants and beneficiaries	34,686,548	34,148,171
Administrative expenses	105,962	76,542
Total deductions	<u>34,792,510</u>	<u>34,224,713</u>
Net (decrease) increase	(26,669,629)	66,317,072
Net Assets Available for Benefits		
Beginning of year	426,952,864	360,635,792
End of year	<u>\$ 400,283,235</u>	<u>\$ 426,952,864</u>

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

1. Description of the Plan

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

General

The Plan is a defined contribution plan for the employees of Ellucian (the "Company") covering all U.S. eligible employees on a voluntary participation basis. Employees are eligible for participation upon one hour of service. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974 ("ERISA").

The Plan was amended and restated as of January 1, 2015 to allow for partial distributions of vested accounts effective October 12, 2015.

Contributions

Contributions consist of participant contributions and Company matching contributions.

Each year, participants may contribute from 1% to 100% of their eligible wages on a combined pre-tax and/or Roth after-tax basis as defined in the plan document. Contributions are subject to certain Internal Revenue Service ("IRS") limitations.

Participants who will attain age 50 before the end of the plan year are eligible to make catch-up contributions, on a combined pre-tax and Roth after-tax basis. The maximum rate of contribution is 100% of eligible compensation up to the IRS combined limit of \$18,500 and \$18,000 for the 2018 and 2017 plan years, respectively (\$24,500 and \$24,000 for participants 50 and older, respectively).

Company matching contributions are made on pre-tax and Roth after-tax contributions at 50% of each participant contribution up to 6% that each participant contributes to the Plan on a combined basis. These contributions are allocated among the investment options in a manner consistent with participant contributions. Participants are fully vested immediately in all contributions plus earnings thereon. New employees are automatically enrolled in the Plan at a pre-tax savings rate of 3% via payroll deduction with contributions being directed to a target date retirement fund, chosen based on the employee's age and projected retirement date. Employees have the option to opt out of this program or to contribute an amount different than the automatic contribution amount and to invest in funds other than the plan's qualified default investment alternative.

Participant Accounts

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Vesting

Participants are immediately vested in their contributions and the Company's contributions plus actual earnings thereon.

Notes Receivable from Participants

Loans are available to participants based, with certain limitations, on the lesser of 50% of the participant's aggregate vested account balance or \$50,000 with a minimum request of \$1,000. Participant loans are secured by the balance in the participant's account and bear interest at a fixed rate, commensurate with local prevailing rates as of the date of the loan, which approximates the prime interest rate plus 1%. Interest rates on loans at December 31, 2018 ranged from 4.25% to 10.25%, with the maturity ranging from 2019 to 2033. Loans are repayable within five years unless the loan was taken for the purpose of acquiring the participant's principal residence, in which case the term of the loan may be for a period longer than five years.

Repayments of loan principal are made through semi-monthly payroll deductions. Payments of interest on loans, also made through semi-monthly payroll deductions, are allocated to the participant's investment funds in a manner consistent with the allocation of the participant's elective contributions.

Payment of Benefits

Distributions from the Plan are permitted upon retirement, death, permanent disability, termination of employment, qualified hardship, age 59½ or partial distribution of vested accounts.

Distributions in excess of \$1,000 are made in either single lump sum payments or installments as designated by the participant. Distributions of less than \$1,000 are made in single lump sum payments.

Forfeited Accounts

Forfeitures consist of Company match contributions changes as a result of participant contribution adjustments during the year. Forfeitures may be used to reduce future Company matching contributions or defray administrative expenses borne by the Plan. At December 31, 2018 and 2017, forfeitures totaled \$72,822 and \$72,542, respectively. Forfeited account balances of \$4,461 and \$21,897 were used to offset Company contributions in 2018 and 2017, respectively.

2. Summary of Significant Accounting Policies

Basis of Accounting

The financial statements of the Plan are prepared on the accrual basis of accounting.

Use of Estimates

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Investment Valuation and Income Recognition

The Plan's 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 Investment Committee determines the Plan's valuation policies utilizing information provided by the trustee. See Note 3 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. Capital gain distributions are included in dividend income. The net (depreciation)/appreciation in the fair value of investments consists of gains or losses on investments bought and sold as well as held during the year.

Notes Receivable from Participants

Notes receivable from participants are measured at their unpaid principal balance plus any accrued but unpaid interest. Related fees are recorded as administrative expenses and are expensed when they are incurred. Interest income is recorded on the accrual basis. If a participant ceases to make loan repayments and the plan administrator deems the participant loan to be in default, the participant loan balance is reduced and a benefit payment is recorded. No allowance for credit losses has been recorded as of December 31, 2018 and 2017.

Expenses

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

Payment of Benefits

Benefits are recorded when paid.

Subsequent Events

The Plan has evaluated subsequent events for recognition or disclosure through October 14, 2019, the date the financial statements were available to be issued.

3. Fair Value Measurements

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

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

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

Level 2 - Inputs other than quoted prices included within Level 1 that are observable for the asset or liability, either directly or indirectly, such as:

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

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

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

The asset 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 maximize the use of relevant observables and minimize the use of unobservable inputs.

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2018 and 2017.

Mutual funds are valued at the daily closing price as reported by the fund. Mutual funds held by the Plan are open-end mutual funds that are registered with the U.S. Securities and Exchange Commission. These funds are required to publish their daily quoted net asset value ("NAV") and to transact at that price. The mutual funds held by the Plan are deemed to be actively traded.

The brokerage option consists of common stocks, which are valued at the closing price reported on the active markets on which the individual securities are traded.

The collective trust fund is valued at the NAV of units of a bank collective trust. The NAV, as provided by the trustee, is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the fund less its liabilities. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV. Participant transactions (purchases and sales) may occur daily. Were the Plan to initiate a full redemption of the collective trust fund, the investment adviser reserves the right to temporarily delay withdrawal from the trust fund in order to ensure that securities liquidations will be carried out in an orderly business fashion.

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

The following tables set forth by level, within the fair value hierarchy, the Plan's assets at fair value as of December 31, 2018 and 2017:

Assets at Fair Value as of December 31, 2018				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 379,687,112	\$ —	\$ —	\$ 379,687,112
Total assets in the fair value hierarchy	<u>\$ 379,687,112</u>	<u>\$ —</u>	<u>\$ —</u>	379,687,112
Investments measured at net asset value (a)				<u>15,051,427</u>
Investments at fair value				<u>\$ 394,738,539</u>

Assets at Fair Value as of December 31, 2017				
	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 409,458,234	\$ —	\$ —	\$ 409,458,234
Brokerage option	147,926	—	—	147,926
Total assets in the fair value hierarchy	<u>\$ 409,606,160</u>	<u>\$ —</u>	<u>\$ —</u>	409,606,160
Investments measured at net asset value (a)				<u>11,909,055</u>
Investments at fair value				<u>\$ 421,515,215</u>

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

Investments Measured Using NAV per Share Practical Expedient

The following table summarizes investments for which fair value is measured using NAV per share practical expedient as of December 31, 2018 and 2017, respectively. There are no participant redemption restrictions for these investments; the redemption notice period is applicable only to the Plan.

December 31, 2018				
	Fair Value	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Collective trust fund, Vanguard Retirement Trust	\$ 15,051,427	N/A	Daily	N/A
December 31, 2017				
Collective trust fund, Vanguard Retirement Trust	\$ 11,909,055	N/A	Daily	N/A

4. 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.

NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017

5. Related Party and Party In Interest Transactions

Certain of the Plan's investments are managed by Vanguard Fiduciary Trust Company, the trustee of the Plan ("Trustee"), and therefore, these transactions qualify as party in interest transactions. Fees incurred by the Plan for the investment manager services are included in net (depreciation)/appreciation in the fair value of the investment, as they are paid through revenue sharing, rather than a direct payment. Additionally, the Plan issues loans to participants, which are secured by the participant's account balances. These transactions qualify as party in interest transactions.

Certain administrative functions of the Plan are performed by officers or employees of the Company. No such officer or employee receives compensation from the Plan.

6. Tax Status

The Plan adopted a Prototype Non-standardized Profit Sharing Plan document, which received an opinion letter dated May 28, 2014, in which the IRS stated that the Plan is designed in compliance with the applicable requirements of the Internal Revenue Code ("IRC"). The Prototype Non-standardized Profit Sharing Plan opinion letter may constitute reliance for an employer adopting the approved plan. Although the Plan has been amended since receiving this opinion letter, the plan administrator believes that the Plan is currently designed and 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.

Accounting principles generally accepted in the United States of America require management to evaluate tax positions taken by the Plan and recognize a tax liability if the Plan has taken an uncertain position that more likely than not would not be sustained upon examination by the IRS. The Plan is subject to routine audits by taxing jurisdictions; however, there are currently no audits for any tax periods in progress.

7. Administration of Plan Assets

The Plan's assets are administered under a contract with the Trustee. The Trustee invests funds received from contributions, investment sales, interest, and dividend income and makes distribution payments to participants.

8. Risks and Uncertainties

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

As of December 31, 2018, the Plan had no investments that represented more than 10% of total investments. As of December 31, 2017, the Plan had investments of \$61,504,699 that were concentrated in one fund and represented more than 10% of total investments.

9. Information Certified by the Trustee

The plan administrator has elected the method of compliance as permitted by 29 CFR 2520.103-8 of the Department of Labor's Rules and Regulations for Reporting and Disclosure under ERISA for 2018 and 2017. Accordingly, the Trustee, has certified to the completeness and accuracy of all investments reported in the accompanying Statement of Net Assets Available for Benefits as of December 31, 2018 and 2017, the supplemental Schedule H, Line 4(i) - Schedule of Assets (Held at End of Year) as of December 31, 2018, and the related investment activity reported in the Statement of Changes in Net Assets Available for Benefits for the years ended December 31, 2018 and 2017.

**NOTES TO THE FINANCIAL STATEMENTS
DECEMBER 31, 2018 AND 2017**

10. Delinquent Participant Contributions

For the year ended December 31, 2018, the Company did not remit certain participant contributions to the Plan on a timely basis as defined by the Department of Labor's Rules and Regulations for Reporting and Delinquent Participant Contributions Disclosure under ERISA. Untimely remittances identified on the Schedule of Delinquent Participant Contributions totaled \$9,649. The Company corrected certain delinquent participant contributions in 2018, and is in the process of correcting the remaining late remittances in 2019. Additionally, the Company has compensated participants for lost earnings resulting from delay in contributions.

ELLUCIAN RETIREMENT PLAN

Schedule H, Line 4(a) - Schedule of Delinquent Participant Contributions

EIN: 45-3182708 Plan Number: 001

December 31, 2018

Participant Contributions Transferred Late to the Plan⁽¹⁾	Total that Constitute Nonexempt Prohibited Transactions			Total Fully Corrected Under VFCP and PTE 2002-51
	Contributions not Corrected	Contributions Corrected Outside of VFCP	Contributions Pending Correction in VFCP	
\$ 9,649	\$ 3,788	\$ 5,861	\$ —	\$ —

(1) Amount does not include participant loan repayments.

ELLUCIAN RETIREMENT PLAN

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

EIN: 45-3182708 Plan Number: 001

December 31, 2018

(a)	Identity of Issue (b)	Description of Investment (c)	Cost (d)	Current Value (e)
	Mutual funds	Allianz RCM Global Technology Fund - Institutional Shares	N/R	\$ 9,247,750
		Dodge & Cox International Stock Fund	N/R	4,673,653
		MFS International Value Fund; Class R3 Shares	N/R	2,146,549
		PIMCO Total Return Fund; Institutional Class	N/R	5,172,458
		Prudential Jennison Mid-Cap Growth Fund; Class Z	N/R	7,644,376
*		Vanguard Explorer Fund Admiral Shares	N/R	13,350,525
*		Vanguard GNMA Fund Investor Shares	N/R	5,759,569
*		Vanguard Inflation-Protected Securities Fund: Inv Shares	N/R	1,696,435
*		Vanguard International Growth Fund Admiral Shares	N/R	10,839,789
*		Vanguard Morgan Growth Fund Admiral Shares	N/R	24,883,844
*		Vanguard Prime Money Market Fund Admiral Shares	N/R	72,822
*		Vanguard Selected Value Fund	N/R	4,602,339
*		Vanguard Target Retirement 2015 Fund	N/R	8,018,308
*		Vanguard Target Retirement 2020 Fund	N/R	16,076,142
*		Vanguard Target Retirement 2025 Fund	N/R	35,848,032
*		Vanguard Target Retirement 2030 Fund	N/R	34,593,627
*		Vanguard Target Retirement 2035 Fund	N/R	37,038,049
*		Vanguard Target Retirement 2040 Fund	N/R	29,735,523
*		Vanguard Target Retirement 2045 Fund	N/R	19,314,148
*		Vanguard Target Retirement 2050 Fund	N/R	8,770,228
*		Vanguard Target Retirement 2055 Fund	N/R	3,270,627
*		Vanguard Target Retirement 2060 Fund	N/R	991,749
*		Vanguard Target Retirement 2065 Fund	N/R	1,620
*		Vanguard Target Retirement Income	N/R	2,864,385
*		Vanguard Total Bond Market Index Fund Investor Shares	N/R	8,992,439
*		Vanguard Total International Stock Index Fund	N/R	9,521,551
*		Vanguard Wellesley Income Fund Admiral Shares	N/R	10,860,734
*		Vanguard Wellington Fund Admiral Shares	N/R	26,664,396
*		Vanguard Windsor Fund Admiral Shares	N/R	21,167,107
*		Vanguard Total International Bond Index Fund Admiral Shares	N/R	474,481
*		Vanguard Total Stock Market Index Fund Admiral Shares	N/R	15,393,857
*	Collective trust fund	Vanguard Retirement Savings Trust IV	N/R	15,051,427
*	Notes receivable from participants	Interest rates range: 4.25% - 10.25%	- 0 -	4,660,315
		Total		<u>\$ 399,398,854</u>

* A party in interest as defined by ERISA

N/R - cost omitted for participant directed investments