

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: 1.5em; 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>THE KROGER CO. PENSION PLAN REP. BY AMALGAMATED MEAT CUTTERS</u>	1b Three-digit plan number (PN) ▶	<u>002</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>THE KROGER CO.</u> <u>1014 VINE ST</u> <u>CINCINNATI, OH 45202-1141</u>	1c Effective date of plan <u>10/01/1977</u>	2b Employer Identification Number (EIN) <u>31-0345740</u>	2c Plan Sponsor's telephone number <u>877-373-3397</u>
2d Business code (see instructions) <u>445110</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.	10/11/2019	THERESA MONTI
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE	Filed with authorized/valid electronic signature.	10/11/2019	THERESA MONTI
	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 1457
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) 788 6a(2) 834 6b 407 6c 246 6d 1487 6e 42 6f 1529 6g 0 6h 58
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:

1B

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 _____

SCHEDULE SB (Form 5500) Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). ▶ File as an attachment to Form 5500 or 5500-SF.	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 <u>01/01/2018</u> and ending <u>12/31/2018</u>	
▶ Round off amounts to nearest dollar.	
▶ Caution: A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.	
A Name of plan <u>THE KROGER CO. PENSION PLAN REP. BY AMALGAMATED MEAT CUTTERS</u>	B Three-digit plan number (PN) ▶ <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>THE KROGER CO.</u>	D Employer Identification Number (EIN) <u>31-0345740</u>
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B	F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500

Part I	Basic Information
1 Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>	
2 Assets:	
a Market value.....	2a <u>47663940</u>
b Actuarial value	2b <u>46987475</u>
3 Funding target/participant count breakdown	
a For retired participants and beneficiaries receiving payment	(1) Number of participants <u>430</u> (2) Vested Funding Target <u>12656054</u> (3) Total Funding Target <u>12656054</u>
b For terminated vested participants	<u>243</u> <u>5409797</u> <u>5409797</u>
c For active participants	<u>788</u> <u>16402664</u> <u>17481771</u>
d Total	<u>1461</u> <u>34468515</u> <u>35547622</u>
4 If the plan is in at-risk status, check the box and complete lines (a) and (b)..... ☐	
a Funding target disregarding prescribed at-risk assumptions	4a
b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b
5 Effective interest rate	5 <u>5.83 %</u>
6 Target normal cost	6 <u>1225606</u>

Statement by Enrolled Actuary
To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	
Signature of actuary	<u>10/07/2019</u>
<u>DAREN L. ANDERSON</u>	Date
Type or print name of actuary	<u>17-06530</u>
<u>MERCER</u>	Most recent enrollment number
Firm name	<u>612-642-8600</u>
<u>333 SOUTH 7TH STREET, SUITE 1400</u> <u>MINNEAPOLIS, MN 55402-2427</u>	Telephone number (including area code)
Address of the firm	

Part II Beginning of Year Carryover and Prefunding Balances

	(a) Carryover balance	(b) Prefunding balance
7 Balance at beginning of prior year after applicable adjustments (line 13 from prior year)	0	6955012
8 Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9 Amount remaining (line 7 minus line 8)	0	6955012
10 Interest on line 9 using prior year's actual return of <u>9.61</u> %	0	668377
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		6027997
b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.02</u> %		362885
b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
c Total available at beginning of current plan year to add to prefunding balance		6390882
d Portion of (c) to be added to prefunding balance		3100000
12 Other reductions in balances due to elections or deemed elections	0	0
13 Balance at beginning of current year (line 9 + line 10 + line 11d – line 12)	0	10723389

Part III Funding Percentages

14 Funding target attainment percentage	14	102.01%
15 Adjusted funding target attainment percentage	15	132.18%
16 Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	102.29%
17 If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls**18** Contributions made to the plan for the plan year by employer(s) and employees:

(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees
Totals ▶			18(b)	0	18(c) 0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:

a Contributions allocated toward unpaid minimum required contributions from prior years	19a	0
b Contributions made to avoid restrictions adjusted to valuation date	19b	0
c Contributions allocated toward minimum required contribution for current year adjusted to valuation date	19c	0

20 Quarterly contributions and liquidity shortfalls:

- a** Did the plan have a "funding shortfall" for the prior year? ☐ Yes ☒ No
- b** If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner? ☐ Yes ☐ No
- c** If line 20a is "Yes," see instructions and complete the following table as applicable:

Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21	Discount rate:			
a	Segment rates:	1st segment: 3.92%	2nd segment: 5.52%	3rd segment: 6.29%
		☐ N/A, full yield curve used		
b	Applicable month (enter code)	21b	0	
22	Weighted average retirement age	22	62	
23	Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate
		Current regulation:	☐ Prescribed - combined	☒ Prescribed - separate
			☐ Substitute	☐ Substitute

Part VI Miscellaneous Items

24	Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment.	☒ Yes	☐ No
25	Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment.	☐ Yes	☒ No
26	Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment.	☒ Yes	☐ No
27	If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27	

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28	Unpaid minimum required contributions for all prior years	28	0
29	Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30	Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31	Target normal cost and excess assets (see instructions):		
a	Target normal cost (line 6)	31a	1225606
b	Excess assets, if applicable, but not greater than line 31a	31b	716464
32	Amortization installments:	Outstanding Balance	Installment
a	Net shortfall amortization installment	0	0
b	Waiver amortization installment	0	0
33	If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33	
34	Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)	34	509142
	Carryover balance	Prefunding balance	Total balance
35	Balances elected for use to offset funding requirement	0	509142
36	Additional cash requirement (line 34 minus line 35)	36	0
37	Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	0
38	Present value of excess contributions for current year (see instructions)		
a	Total (excess, if any, of line 37 over line 36)	38a	0
b	Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0
39	Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0
40	Unpaid minimum required contributions for all years	40	0

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41	If an election was made to use PRA 2010 funding relief for this plan:			
a	Schedule elected	☐ 2 plus 7 years	☐ 15 years	
b	Eligible plan year(s) for which the election in line 41a was made	☐ 2008	☐ 2009	☐ 2010
		☐ 2011		

<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 THE KROGER CO. PENSION PLAN REP. BY AMALGAMATED MEAT CUTTERS				B Three-digit plan number (PN) ▶ 002	
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 THE KROGER CO.				D Employer Identification Number (EIN) 31-0345740	
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: THE KROGER CO. MASTER RETIREMENT TR					
b Name of sponsor of entity listed in (a): THE KROGER CO.					
c EIN-PN 31-0345740-008		d Entity code M	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) 45238000		
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:					
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b Name of sponsor of entity listed in (a):					
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a Name of MTIA, CCT, PSA, or 103-12 IE:					
b Name of sponsor of entity listed in (a):					
c EIN-PN		d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-		

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
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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.	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 THE KROGER CO. PENSION PLAN REP. BY AMALGAMATED MEAT CUTTERS	B Three-digit plan number (PN) ►	002
C Plan sponsor's name as shown on line 2a of Form 5500 THE KROGER CO.	D Employer Identification Number (EIN) 31-0345740	

Part I	Asset and Liability Statement
---------------	--------------------------------------

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

Assets		(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a		
b Receivables (less allowance for doubtful accounts):			
(1) Employer contributions.....	1b(1)	7000000	0
(2) Participant contributions	1b(2)		
(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)		
(9) Value of interest in common/collective trusts	1c(9)		
(10) Value of interest in pooled separate accounts	1c(10)		
(11) Value of interest in master trust investment accounts	1c(11)	41196000	45238000
(12) Value of interest in 103-12 investment entities.....	1c(12)		
(13) Value of interest in registered investment companies (e.g., mutual funds).....	1c(13)		
(14) Value of funds held in insurance company general account (unallocated contracts).....	1c(14)		
(15) Other	1c(15)		

		(a) Beginning of Year	(b) End of Year
1d	Employer-related investments:		
(1)	Employer securities	1d(1)	
(2)	Employer real property	1d(2)	
e	Buildings and other property used in plan operation	1e	
f	Total assets (add all amounts in lines 1a through 1e)	1f	48196000 45238000
Liabilities			
g	Benefit claims payable	1g	
h	Operating payables	1h	
i	Acquisition indebtedness	1i	
j	Other liabilities	1j	27000 16000
k	Total liabilities (add all amounts in lines 1g through 1j)	1k	27000 16000
Net Assets			
l	Net assets (subtract line 1k from line 1f)	1l	48169000 45222000

Part II Income and Expense Statement

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

		(a) Amount	(b) Total
a	Contributions:		
(1)	Received or receivable in cash from: (A) Employers	2a(1)(A)	
	(B) Participants	2a(1)(B)	
	(C) Others (including rollovers)	2a(1)(C)	
(2)	Noncash contributions	2a(2)	
(3)	Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)	0
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)	
	(F) Other	2b(1)(F)	
	(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)	0
(2)	Dividends: (A) Preferred stock	2b(2)(A)	
	(B) Common stock	2b(2)(B)	
	(C) Registered investment company shares (e.g. mutual funds)	2b(2)(C)	
	(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)	0
(3)	Rents	2b(3)	
(4)	Net gain (loss) on sale of assets: (A) Aggregate proceeds	2b(4)(A)	
	(B) Aggregate carrying amount (see instructions)	2b(4)(B)	
	(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result	2b(4)(C)	0
(5)	Unrealized appreciation (depreciation) of assets: (A) Real estate	2b(5)(A)	
	(B) Other	2b(5)(B)	
	(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)	0

		(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)		
(7) Net investment gain (loss) from pooled separate accounts	2b(7)		
(8) Net investment gain (loss) from master trust investment accounts	2b(8)		-1214000
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)		
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds).....	2b(10)		
c Other income.....	2c		
d Total income. Add all income amounts in column (b) and enter total	2d		-1214000

Expenses

e Benefit payment and payments to provide benefits:			
(1) Directly to participants or beneficiaries, including direct rollovers	2e(1)	1456000	
(2) To insurance carriers for the provision of benefits	2e(2)		
(3) Other	2e(3)		
(4) Total benefit payments. Add lines 2e(1) through (3).....	2e(4)		1456000
f Corrective distributions (see instructions)	2f		
g Certain deemed distributions of participant loans (see instructions)	2g		
h Interest expense	2h		
i Administrative expenses: (1) Professional fees.....	2i(1)		
(2) Contract administrator fees.....	2i(2)		
(3) Investment advisory and management fees.....	2i(3)		
(4) Other	2i(4)	277000	
(5) Total administrative expenses. Add lines 2i(1) through (4).....	2i(5)		277000
j Total expenses. Add all expense amounts in column (b) and enter total	2j		1733000

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d	2k		-2947000
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: CLARK, SCHAEFER, HACKETT & CO.

(2) EIN: 31-0800053

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	
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		500000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	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 4179918. (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>THE KROGER CO. PENSION PLAN REP. BY AMALGAMATED MEAT CUTTERS</u>	B Three-digit plan number (PN) ▶ <u>002</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>THE KROGER CO.</u>	D Employer Identification Number (EIN) <u>31-0345740</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>31-0345740</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	<u>2</u>

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: 6.1% Investment-Grade Debt: 72.4% High-Yield Debt: 3.5% Real Estate: 2.9% Other: 15.1%

- 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):

**THE KROGER CO. PENSION PLAN FOR
EMPLOYEES REPRESENTED BY AMALGAMATED
MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876**

**REPORT ON AUDIT OF
FINANCIAL STATEMENTS**

December 31, 2018 and 2017

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
INDEX OF FINANCIAL STATEMENTS
December 31, 2018 and December 31, 2017**

	<u>Pages</u>
Independent Auditors' Report	1-2
Financial Statements:	
Statements of Net Assets Available for Benefits	3
Statements of Changes in Net Assets Available for Benefits	4
Statement of Accumulated Plan Benefits	5
Statement of Changes in Accumulated Plan Benefits.....	6
Notes to Financial Statements.....	7-27

INDEPENDENT AUDITORS' REPORT

To the Participants and the Pension Investment Committee of
The Kroger Co. Pension Plan for Employees Represented by Amalgamated
Meat Cutters and Butcher Workmen of North America, AFL-CIO, Local No. 876

Report on the Financial Statements

We were engaged to audit the accompanying financial statements of The Kroger Co. Pension Plan for Employees Represented by Amalgamated Meat Cutters and Butcher Workmen of North America, AFL-CIO, Local No. 876, which comprise the statements of net assets available for benefits as of December 31, 2018 and 2017, and the related statements of changes in net assets available for benefits for the years then ended and the statement of accumulated plan benefits as of December 31, 2017, and the related statement of changes in accumulated plan benefits for the year 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 audit 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 Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974, the plan administrator instructed us not to perform, and we did not perform, any auditing procedures with respect to the information summarized in Notes 6 and 7, which was certified by The Bank of New York Mellon, 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.

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

The form and content of the information included in the financial statements, 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 Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974.

Clark, Schaefer, Hackett & Co.

Cincinnati, Ohio
October 10, 2019

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
STATEMENTS OF NET ASSETS AVAILABLE FOR BENEFITS
as of December 31, 2018 and December 31, 2017
(in thousands)**

	<u>2018</u>	<u>2017</u>
ASSETS		
Investments in master trust, at fair value (Notes 6 and 7)	\$ 45,238	\$ 41,196
Employer contributions receivable	<u>-</u>	<u>7,000</u>
Total assets	<u>45,238</u>	<u>48,196</u>
LIABILITIES		
Accounts payable	<u>16</u>	<u>27</u>
Total liabilities	<u>16</u>	<u>27</u>
Net assets available for benefits	<u><u>\$ 45,222</u></u>	<u><u>\$ 48,169</u></u>

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

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
STATEMENT OF CHANGES IN NET ASSETS AVAILABLE FOR BENEFITS
for the years ended December 31, 2018 and December 31, 2017
(in thousands)**

	<u>2018</u>	<u>2017</u>
Additions to Net Assets:		
Net income from investment in master trust (Notes 6 & 7)	\$ -	\$ 3,224
Employer contributions	<u>-</u>	<u>7,000</u>
Total additions to net assets	<u>-</u>	<u>10,224</u>
Deductions From Net Assets:		
Net loss from investment in master trust (Notes 6 & 7)	1,214	-
Retirement benefits	1,456	1,316
Administrative expenses	<u>277</u>	<u>295</u>
Total deductions from net assets	<u>2,947</u>	<u>1,611</u>
Net increase (decrease)	(2,947)	8,613
Net assets available for benefits:		
Beginning of year	<u>48,169</u>	<u>39,556</u>
End of year	<u>\$ 45,222</u>	<u>\$ 48,169</u>

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

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
STATEMENT OF ACCUMULATED PLAN BENEFITS
December 31, 2017
(in thousands)**

Actuarial present value of accumulated plan
benefits (Notes 2 and 5):

Vested benefits:

Participants currently receiving payments	\$ 10,113
Other participants	<u>16,487</u>
	<u>26,600</u>

Nonvested benefits	<u>852</u>
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Total actuarial present value of accumulated plan benefits	<u><u>\$ 27,452</u></u>
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The accompanying notes are an integral part of the financial statements.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
STATEMENT OF CHANGES IN ACCUMULATED PLAN BENEFITS
for the year ended December 31, 2017
(in thousands)**

Actuarial present value of accumulated plan benefits at beginning of year	\$ 26,134
Increase (decrease) during the year attributable to:	
Increase for interest due to decrease in discount period	1,907
Benefits paid	(1,316)
Change in Plan provisions	64
Benefits accumulated	<u>663</u>
Net increase	<u>1,318</u>
Actuarial present value of accumulated plan benefits at end of year	<u>\$ 27,452</u>

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

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

1. DESCRIPTION OF THE PLAN:

Information about The Kroger Co. Pension Plan for Employees Represented by Amalgamated Meat Cutters and Butcher Workmen of North America, AFL-CIO, Local No. 876 (the Plan) agreement, the vesting and benefit provisions and the Pension Benefit Guaranty Corporation's (PBGC) benefit guarantee is contained in Plan's Summary Plan Description. Copies of this document are available from The Kroger Co.'s (the Company) Total Rewards Department.

Pension Benefits

Benefits are determined based on the original plan in which a participant had participated. Participants should refer to the Plan document for a complete description of the benefit calculation formulas. Plan participants are eligible for their plan benefit after termination of employment with vested rights. Participants become vested in the Plan upon completion of five years of vesting service or attainment of normal retirement age (65). Upon termination of employment, participants have the option of receiving their vested benefit in the form of a lump sum payment or a monthly annuity. Benefits are recorded upon distribution.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES:

The following describes the significant accounting policies followed in the preparation of these financial statements. The policies conform to generally accepted accounting principles.

Basis of Presentation

The accompanying financial statements 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 amount of assets, liabilities and changes therein, disclosure of contingent assets and liabilities and the actuarial present value of accumulated plan benefits at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

The actuarial present value of accumulated plan benefits is reported based on certain assumptions such as interest rates and employee demographics, which are subject to change. Inherent uncertainties in such assumptions in the near term could cause the values of actual accumulated plan benefits to differ materially from the amounts reported herein.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Risks and Uncertainties

The Plan invests in various investment securities through the Master Trust. 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 possible that the values of investment securities in the near term could differ from the amounts reported herein.

Organization

The Plan was adopted as of October 1, 1977, to provide pension benefits to participants upon their retirement from the Company. Participants included individuals previously covered under the Amalgamated Meat Cutters and Butcher Workmen's Union and Industry Pension Plan, and employees who became eligible to participate after the adoption date based on completing the required hours of service.

Effective October 1, 1980, members of the Plan rejoined the Amalgamated Meat Cutters and Butcher Workmen's Union and Industry Pension Plan. Benefits under the Plan will be reduced by benefits provided by the Amalgamated Meat Cutters and Butcher Workmen's Union and Industry Plan to employees hired prior to August 10, 1984 for service credited to employees prior to October 1, 1977 and subsequent to October 1, 1980.

Investment Valuation

Plan investments consist of an ownership interest in the securities held in The Kroger Co. Master Retirement Trust (Master Trust) administered by a financial institution. The Plan had a 1.53% ownership interest in the Master Trust at December 31, 2018 and 1.36% ownership at December 31, 2017. Securities held in the Master Trust (U.S. government obligations, corporate bonds and common and preferred stocks) traded on a national securities exchange were valued at the last reported sales price on the last business day of the year; listed securities for which no sale was reported on that date were valued at the last reported bid price. The fair values of alternative investments held in the Master Trust have been determined based on estimates using observable inputs, non-observable inputs, and information provided by the fund managers or general partners of the related investments.

Actuarial Present Value of Accumulated Plan Benefits

Accumulated plan benefits are those future periodic payments, including lump-sum distributions, which are attributable under the Plan's provisions to the services rendered by the employees to the valuation date. Accumulated plan benefits include benefits expected to be paid to (a) retired or terminated employees or their beneficiaries, and (b) present employees or their beneficiaries. Benefits under the Plan are based on employees' number of pension credit

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

years earned. The accumulated plan benefits for active employees are based on the number of pension credit years earned on the date as of which the benefit information is presented (the valuation date). Benefits payable under all circumstances -- retirement, death, disability, and termination of employment -- are included, to the extent they are deemed attributable to employee service rendered to the valuation date.

The actuarial method used in determining normal costs and prior service costs is the Projected Unit Credit Method.

Derivative Financial Instruments

The Master Trust enters into swap contracts to manage market exposure and risk to achieve the investment objectives. These contracts involve elements of market risk in excess of amounts recognized in the statements of net assets available for benefits. The credit risk associated with these contracts is minimal because collateral is exchanged daily and the Master Trust deals only with high caliber counterparties.

During 2018 and 2017, the Master Trust had equity contracts and fixed income contracts. Payments are made or received by the Master Trust monthly, depending on the daily fluctuation in the value of the underlying contracts.

At December 31, 2018 and 2017, the Master Trust had equity futures contracts with notional amounts of approximately (\$28) million and (\$163) million, respectively. At December 31, 2018 and 2017, the Master Trust had fixed income futures contracts with notional amounts of approximately \$621 million and \$2,150 million, respectively. Notional amounts do not quantify risk or represent assets or liabilities of the Master Trust, but are used in the calculation of cash settlements under the contracts.

The fair value of futures contracts in the Master Trust is not material at December 31, 2018 and 2017 because settlements are made by cash monthly or quarterly. Collateral is exchanged daily. Collateral held is not reflected in the financials whereas collateral provided is reflected. Changes in fair value are accounted for as net appreciation/depreciation in fair value of investments.

Administrative Expenses

The Plan's administrative expenses are paid by either the Plan or the Company, as provided by the Plan document. Expenses paid by the Company are excluded from these financial statements.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Other

Purchases and sales of securities are reflected on a trade date basis. Gain or loss on sales of securities is based on average cost. Dividend income is recorded on the ex-dividend date. Income from other investments is recorded as earned on an accrual basis.

In accordance with the policy of stating investments at fair value, net unrealized appreciation or depreciation for the year is reflected in the statement of changes in net assets available for benefits.

Reclassifications

Certain amounts in the 2017 financial statements have been reclassified to conform to the current year presentation.

Subsequent Events

The Plan has evaluated subsequent events through October 10, 2019, the date the financial statements were available to be issued.

3. FUNDING POLICY:

Funding for the Plan is based upon a review of specific requirements and upon evaluation of the assets and liabilities of the Plan.

The contributions have been designed to fund the Plan's current service costs on a current basis and to fund over forty years the estimated accrued benefit cost arising from qualifying service before the establishment of the Plan. The yield (interest, dividends, and net realized and unrealized gains and losses) on investments of the Plan serves to reduce future contributions that would otherwise be required to provide for the defined level of benefits under the Plan. The Plan has met the Employee Retirement Income Security Act of 1974 (ERISA) minimum funding requirements. No contributions were made for the 2018 Plan year. Contributions of \$7 million were made for the 2017 Plan year.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

4. TERMINATION PRIORITIES:

While the Company has not expressed any intent to discontinue its contributions, it is free to do so at any time, subject to penalties set forth by ERISA. In the event such discontinuance results in the termination of the Plan, the Plan provides that the net assets of the Plan shall be allocated among the participants and beneficiaries of the Plan in the order provided for in ERISA, and any amounts remaining after said allocation will be returned to the Company. To the extent unfunded vested benefits exist, ERISA provides that such benefits are payable by the PBGC to participants, up to specified limitations, as described in ERISA.

5. ACCUMULATED PLAN BENEFITS:

Consulting actuaries from Mercer estimate the actuarial present value of accumulated plan benefits, which is the amount that results from applying actuarial assumptions to adjust the accumulated plan benefits earned by the participants to reflect the time value of money (through discounts for interest) and the probability of payment (by means of decrements such as for death, disability, withdrawal or retirement) between the valuation date and the expected date of payment.

The more significant assumptions underlying the actuarial computations are:

Interest rate.....7.50%.

Mortality basisMercer Modified RP-2014 mortality table (MRP-2007) with blue collar adjustment for non-annuitants and the Mercer Industry Specific Consumer Goods & Food and Drink mortality table with blue collar adjustment for annuitants, with generational projection using the Mercer Modified Improvement Scale (MMP-2016).

Retirement:

Normal retirement..... The later of the participant's 65th birthday or the earlier of the fifth anniversary of plan participation or the date the participant earns five years of vesting service.

Early retirement.....Age 55 with five years of Vesting Service.

Asset valuation method.....Market value of assets.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

The foregoing actuarial assumptions are based on the presumption that the Plan will continue. Were the Plan to terminate, different actuarial assumptions and other factors might be applicable in determining the actuarial present value of accumulated Plan benefits. The computations of the actuarial present value of accumulated plan benefits were made as of January 1, 2018. Had the valuation been performed as of December 31, 2018, there would be no material variances.

6. UNAUDITED INFORMATION:

The Plan administrator has elected the method of compliance permitted by Section 2520.103-8 of the Department of Labor's Rules and Regulations for the Reporting and Disclosure under ERISA. Accordingly, the information with respect to investments and investment transactions at December 31, 2018 and 2017, and for the years then ended, has not been audited by the independent auditors.

The Bank of New York Mellon, the trustee for the Plan as of December 31, 2018 and 2017, holds the Plan's investment assets and executes transactions therein. The financial information relating to the assets is included in the accompanying financial statements and is based on information certified by the trustee. The information certified by the trustee, which has not been audited by independent public auditors, is summarized as follows (in thousands):

	December 31, 2018	December 31, 2017
Investments	<u>\$ 45,238</u>	<u>\$ 41,196</u>
Changes in Net Assets		
Additions:		
Net unrealized depreciation in fair value of investments	\$ (3,807)	\$ (650)
Interest, dividend & other income	977	390
Gain realized on disposition of investments	<u>1,616</u>	<u>3,484</u>
Net income (loss) from investment in Master Trust	<u>\$ (1,214)</u>	<u>\$ 3,224</u>

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

7. INVESTMENTS (Unaudited):

Investments held by the Plan at December 31, 2018 and 2017 and the related income or loss for the years then ended are (in thousands):

	<u>December 31, 2018</u>		<u>December 31, 2017</u>	
	<u>Fair Value</u>	<u>Loss on Investment in Master Trust</u>	<u>Fair Value</u>	<u>Income on Investment in Master Trust</u>
Interest in the Kroger Co. Master Retirement Trust	<u>\$ 45,238</u>	<u>\$ (1,214)</u>	<u>\$ 41,196</u>	<u>\$ 3,224</u>

The income or loss on the investment in the Master Trust is comprised mainly of changes in the fair value of the investments held in the Master Trust. The changes in the net unrealized appreciation (depreciation) represent changes in the difference between cost and fair market value of investments held during 2018 and 2017.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

The Master Trust holds assets for trading purposes relating to this plan and four other employee defined benefit plans administered by the Company. The value of the Plan's interest in the Master Trust is based on the beginning of year value of the Plan's interest in the trust plus actual contributions and allocated investment income less actual distributions and allocated administrative expenses. The investment income and expenses of the Master Trust are allocated to each plan based on the relationship of the Plan's investment balances to the total Master Trust investment balances. At December 31, 2018 and 2017, the Plan's ownership interest in the Master Trust was 1.53% and 1.36%, respectively. The following is summarized financial data related to the Master Trust at December 31, 2018 and 2017, and for the years then ended (in thousands):

	2018		2017	
	Total Master Trust Balance	Plan's Interest in Master Trust Balances	Total Master Trust Balance	Plan's Interest in Master Trust Balances
Cash and cash equivalents	\$ 138,453	\$ 2,125	\$ 262,367	\$ 3,560
Corporate stocks	59,322	910	58,015	787
Corporate bonds	940,773	14,437	647,882	8,792
U.S. Government obligations	213,341	3,274	219,726	2,982
Mutual Funds	248,475	3,813	263,223	3,572
Collective Trusts/Comingled Funds	787,327	12,082	489,839	6,647
Hedge Funds	166,509	2,555	708,477	9,614
Private Equity	282,275	4,332	283,949	3,853
Real Estate	85,118	1,306	88,095	1,195
Other	109,403	1,679	86,634	1,176
Total investments at fair value	3,030,996	46,513	3,108,207	42,178
Plus:				
Net Receivables	8,583	132	58,990	800
Less:				
Net Payables	(91,657)	(1,407)	(131,355)	(1,782)
Total	<u>\$ 2,947,922</u>	<u>\$ 45,238</u>	<u>\$ 3,035,842</u>	<u>\$ 41,196</u>

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Change In The Kroger Co. Master Retirement Trust Assets (in thousands):

	For the year ended December 31, 2018	For the year ended December 31, 2017
Net unrealized depreciation	\$ (274,937)	\$ (86,984)
Gain realized on disposition of assets	115,543	353,606
Interest and dividend income	81,874	34,880
Transfers from other plans	7,902	421,755
Employer contributions	<u>185,000</u>	<u>1,000,000</u>
Net additions	<u>115,382</u>	<u>1,723,257</u>
Transfers out for benefits paid	(172,232)	(1,396,126)
Transfers out for administrative expense	(19,801)	(22,186)
Transfers to other custodian	<u>(11,269)</u>	<u>-</u>
Total deductions	<u>(203,302)</u>	<u>(1,418,312)</u>
Net increase (decrease)	(87,920)	304,945
Net assets at beginning of year	<u>3,035,842</u>	<u>2,730,897</u>
Net assets at end of year	<u><u>\$ 2,947,922</u></u>	<u><u>\$ 3,035,842</u></u>

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

8. FAIR VALUE MEASUREMENTS:

Generally accepted accounting principles provide the framework for measuring fair value, and expand disclosures about fair value measurements. Fair value is the price that would be received to sell an asset or paid to transfer a liability (exit price) regardless of whether an observable liquid market price exists.

Professional standards establish a fair value hierarchy that categorizes the inputs to valuation techniques that are used to measure fair value into three levels:

- Level 1 includes observable inputs which reflect quoted prices for identical assets or liabilities in active markets at the measurement date.
- Level 2 includes observable inputs for assets or liabilities other than quoted prices included in Level 1 and it includes valuation techniques which use prices for similar assets and liabilities.
- Level 3 includes unobservable inputs which reflect the reporting entity's estimates of the assumptions that market participants would use in pricing the asset or liability, including assumptions about risk.

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

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

- Cash and Cash Equivalents: The carrying value approximates fair value.
- Corporate Stocks: The fair values of these securities are based on observable market quotations for identical assets and are valued at the closing price reported on the active market on which the individual securities are traded.
- Corporate Bonds: The fair values of these securities are primarily based on observable market quotations for identical or similar bonds, valued at the closing price reported on the active market on which the individual securities are traded. When such quoted prices are not available, the bonds are valued using a discounted cash flows approach using current yields on similar instruments of issuers with similar credit ratings, including adjustments for certain risks that may not be observable, such as credit and liquidity risks.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

- U.S. Government Securities: Certain U.S. government securities are valued at the closing price reported in the active market in which the security is traded. Other U.S. government securities are valued based on yields currently available on comparable securities of issuers with similar credit ratings. When quoted prices are not available for identical or similar securities, the security is valued under a discounted cash flows approach that maximizes observable inputs, such as current yields of similar instruments, but includes adjustments for certain risks that may not be observable, such as credit and liquidity risks.
- Mutual Funds/Collective Trusts/Comingled Funds: Mutual funds are valued at the daily closing price as reported by the fund. Mutual funds held are open-ended mutual funds that are registered with the SEC. These funds are required to publish their daily net asset value (NAV) and to transact at that price. The mutual funds held are deemed to be actively traded. The collective trust/comingled funds are public investment vehicles valued using a NAV as a practical expedient provided by the manager of each fund. The NAV is based on the underlying net assets owned by the fund, divided by the number of shares outstanding. The NAV's unit price is quoted on a private market that is not active. However, the NAV is based on the fair value of the underlying securities within the fund, which are traded on an active market, and valued at the closing price reported on the active market on which those individual securities are traded. The significant investment strategies of the funds are described in the financial statements provided by each fund. There are no restrictions on redemptions from these funds.
- Hedge Funds: Hedge funds are private investment vehicles valued using a NAV provided by the manager of each fund. The NAV is based on the underlying net assets owned by the fund, divided by the number of shares outstanding. The NAV's unit price is quoted on a private market that is not active. The NAV is based on the fair value of the underlying securities within the fund, which are typically traded on an active market, and valued at the closing price reported on the active market on which those individual securities are traded. For investments not traded on an active market, or for which a quoted price is not publicly available, a variety of unobservable valuation methodologies, including discounted cash flow, market multiple and cost valuation approaches, are employed by the fund manager to value investments. Fair values of all investments are adjusted annually, if necessary, based on audits of the Hedge Fund financial statements; such adjustments are reflected in the financial statements.
- Private Equity: Private equity investments are valued based on the fair value of the underlying securities within the fund, which include investments both traded on an active market and not traded on an active market. For those investments that are traded on an active market, the values are based on the closing price reported on the active market on which those individual securities are traded. For investments not traded on an active market, or for which a quoted price is not publicly available, a variety of unobservable

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

valuation methodologies, including discounted cash flow, market multiple and cost valuation approaches, are employed by the fund manager to value investments. Fair values of all investments are adjusted annually, if necessary, based on audits of the private equity fund financial statements; such adjustments are reflected in the financial statements.

- Real Estate: Real estate investments include investments in real estate funds managed by a fund manager. These investments are valued using a variety of unobservable valuation methodologies, including discounted cash flow, market multiple and cost valuation approaches, by the fund manager to value investments.

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

The following table sets forth by level, within the fair value hierarchy, the Master Trust assets at fair value as of December 31, 2018:

<u>(in thousands)</u>					
<u>Assets at Fair Value as of December 31, 2018 Using:</u>					
		Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Assets At NAV
	Total				
<u>Investments:</u>					
Cash and Cash Equivalents	\$ 138,453	\$ 138,453	\$ -	\$ -	\$ -
Corporate Stocks	59,322	59,322	-	-	-
Corporate Bonds	940,773	-	940,773	-	-
U.S. Government Obligations	213,341	-	213,341	-	-
Mutual Funds	248,475	248,475	-	-	-
Hedge Funds	166,509	-	-	52,031	114,478
Private Equity	282,275	-	-	-	282,275
Real Estate	85,118	-	-	66,734	18,384
Collective Trusts/Commingled Funds	787,327	-	-	-	787,327
Other	109,403	-	109,376	-	27
Total Investments	\$ 3,030,996	\$ 446,250	\$ 1,263,490	\$ 118,765	\$ 1,202,491

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

The following table sets forth by level, within the fair value hierarchy, the Master Trust assets at fair value as of December 31, 2017:

<u>(in thousands)</u>					
<u>Assets at Fair Value as of December 31, 2017 Using:</u>					
	Total	Quoted Prices in Active Markets for Identical Assets (Level 1)	Significant Other Observable Inputs (Level 2)	Significant Unobservable Inputs (Level 3)	Assets At NAV
<u>Investments:</u>					
Cash and Cash Equivalents	\$ 262,367	\$ 262,367	\$ -	\$ -	\$ -
Corporate Stocks	58,015	58,015	-	-	-
Corporate Bonds	647,882	-	647,882	-	-
U.S. Government Obligations	219,726	-	219,726	-	-
Mutual Funds	263,223	263,223	-	-	-
Hedge Funds	708,477	-	-	64,680	643,797
Private Equity	283,949	-	-	-	283,949
Real Estate	88,095	-	-	68,008	20,087
Collective Trusts/Commingled Funds	489,839	-	-	-	489,839
Other	86,634	-	86,607	-	27
	<u>3,108,207</u>	<u>583,605</u>	<u>954,215</u>	<u>132,688</u>	<u>1,437,699</u>
Total Investments	\$ 3,108,207	\$ 583,605	\$ 954,215	\$ 132,688	\$ 1,437,699

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

For measurements using significant unobservable inputs (Level 3) during 2018, a reconciliation of the beginning and ending balances is as follows (in thousands):

	<u>Hedge Funds</u>	<u>Real Estate</u>
Beginning balance, January 1, 2018	\$64,680	\$68,008
Purchases	239	10,673
Realized/Unrealized gains	706	5,779
Sales	(13,569)	(17,419)
Other	(25)	(307)
Ending balance, December 31, 2018	<u>\$52,031</u>	<u>\$66,734</u>

For measurements using significant unobservable inputs (Level 3) during 2017, a reconciliation of the beginning and ending balances is as follows (in thousands):

	<u>Hedge Funds</u>	<u>Real Estate</u>
Beginning balance, January 1, 2017	\$71,810	\$65,510
Purchases	12,890	10,331
Realized/Unrealized gains	7,363	10,931
Sales	(27,011)	(18,736)
Other	(372)	(28)
Ending balance, December 31, 2017	<u>\$64,680</u>	<u>\$68,008</u>

Gains and losses (realized and unrealized) included in changes in net assets for the period above are reported in net gain from investments in the Master Trust in the statement of changes in net assets available for benefits of the Master Trust.

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Fair Value of Investments in Entities that Use Net Asset Value

The following table summarizes investments measured at fair value based on net asset value (NAV) per share as of December 31, 2018 and 2017, respectively.

Collective Trusts/Comingled Funds

December 31, 2018	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Collective Trusts/Comingled Funds	\$ 787,327	n/a	Daily – Weekly	2 to 60 Days

Hedge Funds

December 31, 2018	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Hedge Funds	\$ 114,478	\$ 24,078	Quarterly - 2 Years	45 to 90 Days

Private Equity Funds

December 31, 2018	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Private Equity Funds	\$ 282,275	\$ 70,641	n/a	n/a

Real Estate Funds

December 31, 2018	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Real Estate Funds	\$ 18,384	\$ 6,126	n/a	n/a

Other Funds

December 31, 2018	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Other Funds	\$ 27	n/a	Monthly	10 Days

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Collective Trusts/Comingled Funds

December 31, 2017	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Collective Trusts/Comingled Funds	\$ 489,839	n/a	Daily - Monthly	1 to 60 Days

Hedge Funds

December 31, 2017	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Hedge Funds	\$ 643,797	\$ 40,700	Monthly - 2 Years	2 to 180 Days

Private Equity Funds

December 31, 2017	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Private Equity Funds	\$ 283,949	\$ 97,309	n/a	n/a

Real Estate Funds

December 31, 2017	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Real Estate Funds	\$ 20,087	\$ 6,926	n/a	n/a

Other Funds

December 31, 2017	Fair Value (in thousands)	Unfunded Commitments	Redemption Frequency (if currently eligible)	Redemption Notice Period
Other Funds	\$ 27	n/a	Monthly	10 Days

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
BY AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF
NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Quantitative Information about Significant Unobservable Inputs Used in Level 3 Fair Value Measurements

The following table represents the Plan's level 3 financial instruments, the valuation techniques used to measure the fair value of those instruments, and the significant unobservable inputs and the ranges of values for those inputs, as of December 31, 2018.

Instrument	Fair Value (in thousands)	Principal Valuation Technique	Unobservable Inputs	Range of Significant Input Values	Weighted Average
Hedge Funds	\$ 52,031	Discounted Cash Flows	Asset Backed Securities (ABS)	N/A	N/A
		Discounted Cash Flows	Bank Debt/Loans	N/A	N/A
		Broker / Dealer Quotes	Collateralized Debt Obligation (CDO)	N/A	N/A
		Broker / Dealer Quotes	Collateralized Loan Obligations (CLO)	N/A	N/A
		Broker / Dealer Quotes	Collateralized Mortgage Obligations (CMO)	N/A	N/A
		Broker / Dealer Quotes	Commercial Mortgage-Backed Securities (CMBS)	N/A	N/A
		Broker / Dealer Quotes	Credit Default Swap (CDS)	N/A	N/A
		Market Approach	Investments in affiliated funds	N/A	N/A
		Discounted Cash Flows	Mortgage Backed Securities (MBS)	N/A	N/A
		Market Approach	Private Debt	N/A	N/A
		Market Approach	Private Equity	N/A	N/A
		Discounted Cash Flows	Real Estate	N/A	N/A
		Discounted Cash Flows	Total Return Swaps	N/A	N/A
		Market Approach	Trade Claims	N/A	N/A
		Market Approach	Warrants	N/A	N/A

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NORTH AMERICA, AFL-CIO, LOCAL NO. 876
NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Instrument	Fair Value (in thousands)	Principal Valuation Technique	Unobservable Inputs	Range of Significant Input Values	Weighted Average
Real Estate	\$ 66,734	Discounted cash flow	Projection of future cash flows discounted back to a net present value of the asset – assumptions made with regard to exit cap rate and discount rate	N/A	N/A
		Direct Capitalization	Observed market capitalization rate applied to current net operating income – Assumptions made with regard to current market cap rate	N/A	N/A
		Market comparable analysis	Observe specific recent transactions for properties of similar location, property type and quality and apply a similar price per square foot or price per unit – Assumptions made with regard to property quality, location and lease terms of comparables	N/A	N/A
		Broker quotes (predominantly for illiquid debt instruments)	Receive quotes from broker(s) for identical or similar loans/properties recently traded – Assumptions made with regard to liquidity and comparability of the loan terms	N/A	N/A
		Transaction pricing	When a property is currently under letter of intent (“LOI”) to be sold at a specific price but the transaction has not yet closed – Assumption is that the transaction will close, and at the stated price	N/A	N/A

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NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

The following table represents the Plan's level 3 financial instruments, the valuation techniques used to measure the fair value of those instruments, and the significant unobservable inputs and the ranges of values for those inputs, as of December 31, 2017.

Instrument	Fair Value (in thousands)	Principal Valuation Technique	Unobservable Inputs	Range of Significant Input Values	Weighted Average
Hedge Funds	\$ 64,680	Discounted Cash Flows	Asset Backed Securities (ABS)	N/A	N/A
		Discounted Cash Flows	Bank Debt/Loans	N/A	N/A
		Broker / Dealer Quotes	Collateralized Debt Obligation (CDO)	N/A	N/A
		Broker / Dealer Quotes	Collateralized Loan Obligations (CLO)	N/A	N/A
		Broker / Dealer Quotes	Collateralized Mortgage Obligations (CMO)	N/A	N/A
		Broker / Dealer Quotes	Commercial Mortgage-Backed Securities (CMBS)	N/A	N/A
		Broker / Dealer Quotes	Credit Default Swap (CDS)	N/A	N/A
		Market Approach	Investments in affiliated funds	N/A	N/A
		Discounted Cash Flows	Mortgage Backed Securities (MBS)	N/A	N/A
		Market Approach	Private Debt	N/A	N/A
		Market Approach	Private Equity	N/A	N/A
		Discounted Cash Flows	Real Estate	N/A	N/A
		Discounted Cash Flows	Total Return Swaps	N/A	N/A
		Market Approach	Trade Claims	N/A	N/A
		Market Approach	Warrants	N/A	N/A

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NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

Instrument	Fair Value (in thousands)	Principal Valuation Technique	Unobservable Inputs	Range of Significant Input Values	Weighted Average
Real Estate	\$ 68,008	Discounted cash flow	Projection of future cash flows discounted back to a net present value of the asset – assumptions made with regard to exit cap rate and discount rate	N/A	N/A
		Direct Capitalization	Observed market capitalization rate applied to current net operating income – Assumptions made with regard to current market cap rate	N/A	N/A
		Market comparable analysis	Observe specific recent transactions for properties of similar location, property type and quality and apply a similar price per square foot or price per unit – Assumptions made with regard to property quality, location and lease terms of comparables	N/A	N/A
		Broker quotes (predominantly for illiquid debt instruments)	Receive quotes from broker(s) for identical or similar loans/properties recently traded – Assumptions made with regard to liquidity and comparability of the loan terms	N/A	N/A
		Transaction pricing	When a property is currently under letter of intent (“LOI”) to be sold at a specific price but the transaction has not yet closed – Assumption is that the transaction will close, and at the stated price	N/A	N/A

**THE KROGER CO. PENSION PLAN FOR EMPLOYEES REPRESENTED
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NOTES TO FINANCIAL STATEMENTS
December 31, 2018 and 2017**

9. TAX STATUS:

The Plan obtained its latest determination letter dated March 7, 2017, in which the Internal Revenue Service stated that the Plan, as amended and restated, was in compliance with the applicable requirements of the Internal Revenue Code (IRC). The Plan has been amended since receiving the determination letter. Plan management and Plan's tax counsel believe that the Plan is currently designed and being operated in compliance with the applicable requirements of the IRC. Therefore, no provision for income taxes has been included in the Plan's financial statements.

10. RELATED PARTY TRANSACTIONS:

The Bank of New York Mellon is the trustee of the Plan as well as the Master Trust. The Plan pays trustee fees through the Master Trust to the Bank of New York Mellon. As described in Note 2, the Plan paid certain expenses related to operations and investment activity to various service providers. These transactions are party-in-interest transactions under ERISA.

For the years presented, the Plan sponsor provided administrative services to the Plan without charge.

SCHEDULE SB (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>	Single-Employer Defined Benefit Plan Actuarial Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA) and section 6059 of the Internal Revenue Code (the Code). File as an attachment to Form 5500 or 5500-SF.	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

▶ **Round off amounts to nearest dollar.**

▶ **Caution:** A penalty of \$1,000 will be assessed for late filing of this report unless reasonable cause is established.

A Name of plan THE KROGER CO. PENSION PLAN REP. BY AMALGAMATED MEAT CUTTERS	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%;">B Three-digit plan number (PN) ▶</td> <td style="width:30%; text-align: center;">002</td> </tr> </table>	B Three-digit plan number (PN) ▶	002
B Three-digit plan number (PN) ▶	002		
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF THE KROGER CO.	D Employer Identification Number (EIN) 31-0345740		
E Type of plan: ☒ Single ☐ Multiple-A ☐ Multiple-B			
F Prior year plan size: ☐ 100 or fewer ☐ 101-500 ☒ More than 500			

Part I	Basic Information		
1	Enter the valuation date: Month <u>01</u> Day <u>01</u> Year <u>2018</u>		
2	Assets:		
	a Market value.....	2a	47,663,940
	b Actuarial value	2b	46,987,475
3	Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target
	a For retired participants and beneficiaries receiving payment	430	12,656,054
	b For terminated vested participants	243	5,409,797
	c For active participants	788	16,402,664
	d Total	1,461	34,468,515
4	If the plan is in at-risk status, check the box and complete lines (a) and (b) ☐		
	a Funding target disregarding prescribed at-risk assumptions	4a	
	b Funding target reflecting at-risk assumptions, but disregarding transition rule for plans that have been in at-risk status for fewer than five consecutive years and disregarding loading factor	4b	
5	Effective interest rate	5	5.83%
6	Target normal cost	6	1,225,606

Statement by Enrolled Actuary

To the best of my knowledge, the information supplied in this schedule and accompanying schedules, statements and attachments, if any, is complete and accurate. Each prescribed assumption was applied in accordance with applicable law and regulations. In my opinion, each other assumption is reasonable (taking into account the experience of the plan and reasonable expectations) and such other assumptions, in combination, offer my best estimate of anticipated experience under the plan.

SIGN HERE	<u>DAREN L. ANDERSON JLA</u> Signature of actuary	<u>10/07/2019</u> Date
	DAREN L. ANDERSON Type or print name of actuary	1706530 Most recent enrollment number
	MERCER Firm name	612-642-8600 Telephone number (including area code)
	333 SOUTH 7TH STREET, SUITE 1400 MINNEAPOLIS MN 55402-2427 Address of the firm	

If the actuary has not fully reflected any regulation or ruling promulgated under the statute in completing this schedule, check the box and see instructions ☐

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

Schedule SB (Form 5500) 2018
v. 171027

Part II Beginning of Year Carryover and Prefunding Balances		(a) Carryover balance	(b) Prefunding balance
7	Balance at beginning of prior year after applicable adjustments (line 13 from prior year).....	0	6,955,012
8	Portion elected for use to offset prior year's funding requirement (line 35 from prior year)	0	0
9	Amount remaining (line 7 minus line 8).....	0	6,955,012
10	Interest on line 9 using prior year's actual return of <u>9.61%</u>	0	668,377
11	Prior year's excess contributions to be added to prefunding balance:		
	a Present value of excess contributions (line 38a from prior year).....		6,027,997
	b(1) Interest on the excess, if any, of line 38a over line 38b from prior year Schedule SB, using prior year's effective interest rate of <u>6.02%</u>		362,885
	b(2) Interest on line 38b from prior year Schedule SB, using prior year's actual return		0
	c Total available at beginning of current plan year to add to prefunding balance.....		6,390,882
	d Portion of (c) to be added to prefunding balance.....		3,100,000
12	Other reductions in balances due to elections or deemed elections	0	0
13	Balance at beginning of current year (line 9 + line 10 + line 11d – line 12).....	0	10,723,389

Part III Funding Percentages			
14	Funding target attainment percentage	14	102.01%
15	Adjusted funding target attainment percentage.....	15	132.18%
16	Prior year's funding percentage for purposes of determining whether carryover/prefunding balances may be used to reduce current year's funding requirement	16	102.29%
17	If the current value of the assets of the plan is less than 70 percent of the funding target, enter such percentage.	17	%

Part IV Contributions and Liquidity Shortfalls						
18 Contributions made to the plan for the plan year by employer(s) and employees:						
(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	(a) Date (MM-DD-YYYY)	(b) Amount paid by employer(s)	(c) Amount paid by employees	
Totals ▶			18(b)	0	18(c)	0

19 Discounted employer contributions – see instructions for small plan with a valuation date after the beginning of the year:			
a	Contributions allocated toward unpaid minimum required contributions from prior years.....	19a	0
b	Contributions made to avoid restrictions adjusted to valuation date	19b	0
c	Contributions allocated toward minimum required contribution for current year adjusted to valuation date.....	19c	0
20 Quarterly contributions and liquidity shortfalls:			
a Did the plan have a "funding shortfall" for the prior year?..... ☐ Yes ☒ No			
b If line 20a is "Yes," were required quarterly installments for the current year made in a timely manner?..... ☐ Yes ☐ No			
c If line 20a is "Yes," see instructions and complete the following table as applicable:			
Liquidity shortfall as of end of quarter of this plan year			
(1) 1st	(2) 2nd	(3) 3rd	(4) 4th

Part V Assumptions Used to Determine Funding Target and Target Normal Cost

21 Discount rate:				
a Segment rates:	1st segment: 3.92 %	2nd segment: 5.52 %	3rd segment: 6.29 %	☐ N/A, full yield curve used
b Applicable month (enter code).....				21b 0
22 Weighted average retirement age				22 62
23 Mortality table(s) (see instructions)	Prior regulation:	☐ Prescribed - combined	☐ Prescribed - separate	☐ Substitute
	Current regulation:	☐ Prescribed - combined	☒ Prescribed - separate	☐ Substitute

Part VI Miscellaneous Items

24 Has a change been made in the non-prescribed actuarial assumptions for the current plan year? If "Yes," see instructions regarding required attachment	☒ Yes ☐ No
25 Has a method change been made for the current plan year? If "Yes," see instructions regarding required attachment	☐ Yes ☒ No
26 Is the plan required to provide a Schedule of Active Participants? If "Yes," see instructions regarding required attachment	☒ Yes ☐ No
27 If the plan is subject to alternative funding rules, enter applicable code and see instructions regarding attachment	27

Part VII Reconciliation of Unpaid Minimum Required Contributions For Prior Years

28 Unpaid minimum required contributions for all prior years	28	0
29 Discounted employer contributions allocated toward unpaid minimum required contributions from prior years (line 19a)	29	0
30 Remaining amount of unpaid minimum required contributions (line 28 minus line 29)	30	0

Part VIII Minimum Required Contribution For Current Year

31 Target normal cost and excess assets (see instructions):			
a Target normal cost (line 6)	31a	1,225,606	
b Excess assets, if applicable, but not greater than line 31a	31b	716,464	
32 Amortization installments:	Outstanding Balance	Installment	
a Net shortfall amortization installment	0	0	
b Waiver amortization installment	0	0	
33 If a waiver has been approved for this plan year, enter the date of the ruling letter granting the approval (Month _____ Day _____ Year _____) and the waived amount	33		
34 Total funding requirement before reflecting carryover/prefunding balances (lines 31a - 31b + 32a + 32b - 33)....	34	509,142	
	Carryover balance	Prefunding balance	Total balance
35 Balances elected for use to offset funding requirement	0	509,142	509,142
36 Additional cash requirement (line 34 minus line 35)	36	0	
37 Contributions allocated toward minimum required contribution for current year adjusted to valuation date (line 19c)	37	0	
38 Present value of excess contributions for current year (see instructions)			
a Total (excess, if any, of line 37 over line 36)	38a	0	
b Portion included in line 38a attributable to use of prefunding and funding standard carryover balances	38b	0	
39 Unpaid minimum required contribution for current year (excess, if any, of line 36 over line 37)	39	0	
40 Unpaid minimum required contributions for all years	40	0	

Part IX Pension Funding Relief Under Pension Relief Act of 2010 (See Instructions)

41 If an election was made to use PRA 2010 funding relief for this plan:	
a Schedule elected	☐ 2 plus 7 years ☐ 15 years
b Eligible plan year(s) for which the election in line 41a was made	☐ 2008 ☐ 2009 ☐ 2010 ☐ 2011

Schedule SB, line 26 — Schedule of Active Participant Data

ATTAINED AGE	YEARS OF CREDITED SERVICE										
	UNDER 1	1–4	5–9	10–14	15–19	20–24	25–29	30–34	35–39	40 & UP	TOTAL
Under 25	1	99	12								112
25–29		42	48	7							97
30–34		26	18	27	7						78
35–39	1	9	5	16	15	5					51
40–44	1	21	6	5	10	9	3				55
45–49		23	14	4	12	6	18	4			81
50–54		15	14	11	12	6	11	9			78
55–59		36	19	10	8	13	6	9	3	2	106
60–64		19	19	7	6	14	5	6	6	6	88
65–69		5	8	4	5	4	3	1	2	2	34
70 & up		1	2	2	1					2	8
Total	3	296	165	93	76	57	46	29	11	12	788

In each cell, the top number is the count of active participants for each age/service combination.

*Schedule SB, Part V — Statement of Actuarial Assumptions/Methods***ACTUARIAL ASSUMPTIONS FOR JANUARY 1, 2018 FUNDING VALUATION****DISCOUNT RATE SPONSOR ELECTION**

• Segment rates or full yield curve	Segment		
• Look-back months	0		
	<u>Stabilized</u>	<u>Nonstabilized</u>	
• First 5 years	3.92%	1.81%	
• Next 15 years	5.52%	3.68%	
• Over 20 years	6.29%	4.53%	

MORTALITY SPONSOR ELECTION

• Healthy and disabled participants	Section 430(h)(3) prescribed separate static annuitant and nonannuitant mortality tables. These tables are based on RP-2014 mortality tables with improvements beyond 2006 removed with static mortality improvement based on the IRS methodology and projection scale MP-2016.
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OTHER ECONOMIC ASSUMPTIONS

• Flat-dollar benefit increases	Not applicable
• Social Security wage base	Not applicable
• Inflation	2.20% per year
• Expected investment return	7.42% for 2016, 7.04% per year for 2017, and 5.23% for 2018
• Expenses	\$140,000 added to current year normal cost

*Schedule SB, Part V — Statement of Actuarial Assumptions/Methods***DEMOGRAPHIC ASSUMPTIONS**

• Withdrawal	See table of sample rates.	
• Disability incidence	See table of sample rates.	
• Retirement age	Attained age	Percentage
	Under 55	0%
	55	2%
	56	3%
	57	4%
	58	5%
	59	6%
	60	7%
	61	8%
	62	50%
	63	25%
64	25%	
65 and above	100%	
• Benefit commencement age for		
– Future vested deferred	62	
– Current vested deferred	62, or attained age if later	
• Spouse assumptions	<u>Male participants</u>	<u>Female participants</u>
– Percentage married	80%	70%
– Spouse age difference	3 years younger	3 years older

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

Form of payment	<u>Single life</u>	<u>50% J&S</u>
• Active retirements	60%	40%
• Future vested deferred	60%	40%
• Future disabilities	60%	40%
• Current vested deferred	60%	40%
Unpredictable contingent event assumptions	Not applicable.	

Table of Sample Rates

ATTAINED AGE	PERCENTAGE		
	WITHDRAWAL		DISABILITY INCIDENCE
	MALE	FEMALE	
25	15.2%	21.2%	0.112%
30	15.2%	21.2%	0.138%
35	12.3%	14.5%	0.164%
40	9.4%	7.9%	0.227%
45	8.2%	6.9%	0.290%
50	7.1%	5.9%	0.600%
55	0.0%	0.0%	0.910%
60	0.0%	0.0%	1.220%
65	0.0%	0.0%	0.0%

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

RATIONALE FOR SIGNIFICANT ECONOMIC ASSUMPTIONS

- **Funding segment rates** – These are IRS prescribed rates. The plan sponsor elected this methodology (segment rates with no look-back months) from alternative IRS prescribed options.
- **Expected investment return (funding)** – The expected rate of return on plan assets is based on the median simulated investment return using capital market assumptions published in Mercer Investment Consulting's Capital Market Outlook for the Plan's target asset mix, net of an adjustment of 20 basis points for expenses assumed to be paid from plan assets.
- **Expense load** – Expected 2018 expenses based on prior year expenses adjusted for expected change in PBGC premium, rounded to the nearest thousand.

RATIONALE FOR SIGNIFICANT DEMOGRAPHIC ASSUMPTIONS

- **Withdrawal incidence** – This assumption has been in place for several years. Annual review of the experience for the 2011-2017 plan years has shown that this table produced reasonable gains and losses experience by the plan.
- **Retirement incidence** – This assumption has been in place for several years. Annual review of the experience for the 2011-2017 plan years has shown that this table produced reasonable gains and losses experience by the plan.
- **Retirement age** – The assumed commencement age for deferred vested participants is based on the earliest unreduced commencement age of 62.

*Schedule SB, Part V — Statement of Actuarial Assumptions/Methods***ACTUARIAL METHODS****Asset Methods**

The asset valuation method is an average of the adjusted market value for each year during the last 2 years preceding the valuation date. The adjusted market value is the market value at each determination date adjusted to the valuation date based on actual cash flows and expected interest at the lesser of the expected rate of return and the third segment rate. This amount is adjusted to be no greater than 110% and no less than 90% of the fair market value, as defined in IRC Section 430.

A characteristic of this asset method is that, over time, it is slightly more likely to produce an actuarial value of assets that is less than the market value of assets than an actuarial value that is greater than the market value.

Participant Methods

Participants or former participants are included or excluded from the valuation as described below:

- **Participants included:** The plan sponsor provides us with data on all employees as of the valuation date, but only those employees who have completed the plan's eligibility requirements are included in the valuation of liabilities.
- **Participants excluded:** No actuarial liability is included for nonvested participants who terminated prior to the valuation date. For this purpose, participants with a break in service on the valuation date are treated as terminated participants.
- **Insurance contracts:** The plan does not have any insurance contracts.
- **Transferred participants:** The liabilities for employees who have transferred into another plan of the plan sponsor have been included with the liabilities for active participants.

Minimum Funding Methods

The funding target for minimum funding calculations is computed using the traditional unit credit method of funding. The objective under this method is to fund each participant's benefits under the plan as they accrue. Thus, the total pension to which each participant is expected to become entitled at retirement is broken down into units, each associated with a year of past or future credited service.

Schedule SB, Part V — Statement of Actuarial Assumptions/Methods

A detailed description of the calculation follows:

- The plan's valuation date is the beginning of the plan year.
- An individual's **funding target** is the present value of future benefits based on credited service and average pay as of the beginning of the plan year, and an individual's **target normal cost** is the present value of the benefit expected to accrue in the plan year. If multiple decrements are used, the funding target and the target normal cost for an individual are the sum of the component funding targets and target normal costs associated with the various anticipated separation dates.
- The plan's **target normal cost** is the sum of the individual target normal costs, and the plan's **funding target** is the sum of the individual funding targets for all participants under the plan.

Schedule SB, line 24 — Change in Actuarial Assumptions

ACTUARIAL ASSUMPTION CHANGES SINCE PRIOR VALUATION

The following changes were made since the January 1, 2017 valuation:

- The expense component of normal cost increased from \$119,000 to \$140,000 to reflect our expectations for the current plan year.
- Expected investment return for 2018 was updated to 5.23%.

Schedule SB, Part V — Summary of Plan Provisions
SUMMARY OF MAJOR PLAN PROVISIONS

Effective date and plan year	Original plan: October 1, 1977 Restated plan: January 1, 2016 Plan year: January 1 – December 31
Status of the plan	The plan has ongoing benefit accruals and new employees are eligible to participate in the plan once they satisfy the participation requirements.
Significant events that occurred during the year	None
DEFINITIONS	
• Covered employees	All employees are eligible to participate on the first day of the month following completion of 870 hours of service in the prior 12-month period following date of employment in work under the jurisdiction of the Amalgamated Meat Cutters and Butcher Workmen of North America, AFL-CIO Local No. 876.
• Participation	All employees under the jurisdiction of the Amalgamated Meat Cutters and Butcher Workmen of North America, AFL-CIO Local No. 876.
• Employee contributions	None

Schedule SB, Part V — Summary of Plan Provisions

- Accrued benefit

Payable as a monthly life annuity and based on a maximum of 40 years of pension credit, according to the following provisions:

Full-time employees hired before September 1, 1984:

For Each Year of Benefit Service	This Benefit Rate Applies*
Through 12/31/1988	\$20.00
From 1/1/1989 through 12/31/1992	\$30.00
After 12/31/1992	\$38.50

*Subject to offset from National Meat Cutters Benefit

Full-time employees hired on or after September 1, 1984 and employed as of May 1, 1988 (and not hired after March 17, 1988):

For Each Year of Benefit Service	This Benefit Rate Applies
From 9/1/1984 through 12/31/1988	\$20.00
From 1/1/1989 through 12/31/1992	\$30.00
After 12/31/1992	\$38.50

Full-time employees hired after March 17, 1988:

For Each Year of Benefit Service	This Benefit Rate Applies
From 5/1/1988 through 12/31/1992	\$20.00
From 1/1/93 through 6/30/2001	\$25.00
From 7/01/2001 through 3/31/2017	\$30.00
After 3/31/2017	\$33.00

Schedule SB, Part V — Summary of Plan Provisions

<ul style="list-style-type: none">Accrued benefit (Continued)	Offset From National Meat Cutters Benefit	
	For Each Year of Benefit Service	This Benefit Rate Applies
	Through 9/30/1977	\$8.57
	From 10/1/1977 through 9/30/1980	\$0.00
	From 10/1/1980 through 6/30/1984	\$8.57
	From 7/1/1984 through 6/30/1987	\$16.75
	From 7/1/1987 through 6/30/1990	\$17.75
	From 7/1/1990 through 6/30/1991	\$19.00
	From 7/1/1991 through 6/30/1994	\$20.25
	From 7/1/1994 through 9/30/1997	\$22.50
	From 10/1/1997 through 6/30/2001	\$24.75
	From 7/1/2001 through 12/31/2001	\$24.75
	From 1/1/2002 through 3/31/2002	\$26.75
	From 4/1/2002 through 6/30/2010	\$30.75
	After 6/30/2010	\$30.75
	Benefit rates (after 1/1/2001) for part-time employees are reduced according to the plan documents.	
<ul style="list-style-type: none">Vesting service	One year for each plan year in which the participant completes 870 hours of service.	
<ul style="list-style-type: none">Credited service	Total units of past service pension credit and future service pension credit. Past service pension credit is pension credit earned for periods prior to July 1, 1984. Future service pension credit is pension credit earned for periods on and after July 1, 1984.	
<ul style="list-style-type: none">Future service pension credit	For Participants employed on a full-time basis or subject to a part-time Pension Unit Benefit rate, Future Service Pension Credit shall be based on the number of full or partial calendar months of Covered Employment under the Plan completed in a Plan Year. All other Participants shall receive one full month of Future Service Pension Credit for each 170 hours of Covered Employment in a Plan Year.	
<ul style="list-style-type: none">Normal retirement date	The later of a) the participant's 65th birthday; or b) the earlier of 1) the fifth anniversary of plan participation or 2) the date a participant earns five years of vesting service.	
NORMAL RETIREMENT		
<ul style="list-style-type: none">Eligibility	Retirement on Normal Retirement Date.	

Schedule SB, Part V — Summary of Plan Provisions

• Benefit	Monthly pension benefit determined as of normal retirement date.
EARLY RETIREMENT	
• Eligibility	Retirement before Normal Retirement Date and on or after both attaining age 55 and completing five years of vesting service.
• Benefit	Monthly pension benefit determined as of early retirement date, reduced 6.0% for each year of payment before age 62. In addition, if at least 30 years of pension credit, a supplemental pension of \$200 per month, payable until age 62.
LATE RETIREMENT	
• Eligibility	Retirement after Normal Retirement Date.
• Benefit	Monthly pension benefit determined as of late retirement date.
DEFERRED VESTED	
• Eligibility	Termination for reasons other than death or retirement after completing five years of vesting service.
• Benefit	Monthly pension benefit determined as of termination date and payable at Normal Retirement Date, or payable at an early retirement date, reduced 6.0% for each year of payment before age 62.
DISABILITY	
• Eligibility	Determined to be totally and permanently disabled after completion of five years of pension credit.
• Benefit	Monthly pension benefit determined as of the disability retirement date without reduction for early commencement and payable beginning six months following total and permanent disability.
PRE-RETIREMENT DEATH	
• Eligibility	Qualified surviving spouse (married to participant for at least one year prior to death) of a participant who qualifies for a vested pension benefit.
• Benefit prior to early retirement	The amount that would have been payable if the participant terminated on the date of death, elected payment at the earliest eligibility for early retirement in the form of a qualified joint and survivor annuity, and died before first payment.
• Benefit after early retirement	The amount that would have been payable if the participant terminated on the date of death, elected payment in the form of a qualified joint and survivor annuity, and died before first payment.

Schedule SB, Part V — Summary of Plan Provisions

FORM OF BENEFITS	
• Automatic form for unmarried participants	Life Annuity
• Automatic form for married participants	50% Joint and Survivor Annuity
• Optional forms	50% Joint and Survivor Annuity
• Optional form conversion factors	<div> <div>Male participants (3 years younger)</div> <div>Female participants (3 years older)</div> </div>
	<div> <div>Healthy</div> <div>.850</div> <div>.874</div> </div>
	<div> <div>Disabled</div> <div>.737</div> <div>.770</div> </div>
MISCELLANEOUS	
• Maximum benefits	Annual benefits may not exceed the limits in IRC Section 415. This limit is indexed annually. For 2018, the limit is \$220,000.

Benefits Included or Excluded

Unless noted below, all benefits provided by the plan, as restated effective January 1, 2016 and amended through Amendment Number Three, are included in this valuation.

- **Plan amendments excluded:** None.
- **Late retirement increases:**
 - *Active participants:* The plan provides benefit suspension notices to participants who work beyond normal retirement; therefore, late retirement actuarial increases are not reflected in this valuation.
 - *Deferred vested participants:* Current deferred vested participants over age 65 but under age 70-1/2 are valued including the late retirement actuarial increase.
- **Internal Revenue Code limitations:** The limitations of Internal Revenue Code Section 415(b) and 401(a)(17) have been incorporated into our calculations.
- **IRC Section 416 rules for top-heavy plans:** We did not test whether this plan is top-heavy (when the present value of benefits for key employees equals or exceeds 60% of the present value for all participants). However, we expect that the plan is not top-heavy due to the large number of rank-and-file participants; therefore, the funding target and target normal cost do not reflect any liability for top-heavy benefit accruals.

*Schedule SB, Part V — Summary of Plan Provisions***Additional Benefits Included or Excluded**

- **IRC Section 436 benefit restrictions:**

- *Unpredictable contingent event benefits:* This valuation excludes restricted contingent event benefits that occurred before the valuation date but includes contingent event benefits which are expected to occur on or after the valuation date regardless of anticipated funding-based limitations.
- *Plan amendments:* See above.
- *Prohibited payments:* Limitations on prohibited benefits (if any) are reflected for annuity starting dates before the valuation date but are ignored for annuity starting dates on or after the valuation date.
- *Benefit accruals:* The plan's funding target does not reflect any limitation on benefit accruals. The target normal cost does not reflect any limitation on benefit accruals.

- **Scheduled benefit increases:** Scheduled benefit increases effective after the end of the current plan year are excluded from minimum funding requirements.
- **Unpredictable contingent event benefits:** The plan does not have any unpredictable contingent event benefits.

PLAN PROVISION CHANGES SINCE PRIOR VALUATION

- Maximum benefit amounts under IRS rules were updated from 2017 to 2018.
- Accrued benefit rates were updated for employees hired after March 17, 1988.

Schedule SB, line 22 — Description of Weighted Average Retirement Age

Each employee is assumed to retire in accordance with the table of retirement rates. The proportion of employees expected to retire at each potential retirement age is shown below. The average retirement age is 62.

(A)	(B)	(C)	(D)	(E)
Retirement age	Retirement Percent	Lx	Number of employees expected to retire (B) x (C)	(A) x (D)
55	2.0%	10,000	200	11,000
56	3.0%	9,800	294	16,464
57	4.0%	9,506	380	21,674
58	5.0%	9,126	456	26,465
59	6.0%	8,669	520	30,690
60	7.0%	8,149	570	34,227
61	8.0%	7,579	606	36,985
62	50.0%	6,973	3,486	216,149
63	25.0%	3,486	872	54,909
64	25.0%	2,615	654	41,835
65	100.0%	1,961	1,961	127,467
Total			10,000	617,864
Average				61.79