

Form 5500

Department of the Treasury
Internal Revenue Service

Department of Labor
Employee Benefits Security
Administration

Pension Benefit Guaranty Corporation

Annual Return/Report of Employee Benefit Plan

This form is required to be filed for employee benefit plans under sections 104 and 4065 of the Employee Retirement Income Security Act of 1974 (ERISA) and sections 6057(b) and 6058(a) of the Internal Revenue Code (the Code).

▶ **Complete all entries in accordance with the instructions to the Form 5500.**

OMB Nos. 1210-0110
1210-0089

2024

This Form is Open to Public Inspection

Part I Annual Report Identification Information

For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

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

Part II Basic Plan Information—enter all requested information

1a Name of plan <u>ESOP OF UMB</u>	1b Three-digit plan number (PN) ▶ <u>004</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>UMB FINANCIAL CORPORATION</u> <u>928 GRAND AVENUE</u> <u>KANSAS CITY, MO 64106</u>	1c Effective date of plan <u>01/01/1978</u> 2b Employer Identification Number (EIN) <u>43-0903811</u> 2c Plan Sponsor's telephone number <u>816-860-7000</u> 2d Business code (see instructions) <u>522110</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.	10/10/2025	ROBERT BEAIRD
	Signature of plan administrator	Date	Enter name of individual signing as plan administrator
SIGN HERE			
	Signature of employer/plan sponsor	Date	Enter name of individual signing as employer or plan sponsor
SIGN HERE			
	Signature of DFE	Date	Enter name of individual signing as DFE

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

Form 5500 (2024)
v. 240311

3a Plan administrator's name and address <input checked="" type="checkbox"/> Same as Plan Sponsor	3b Administrator's EIN	
	3c Administrator's telephone number	
4 If the name and/or EIN of the plan sponsor or the plan name has changed since the last return/report filed for this plan, enter the plan sponsor's name, EIN, the plan name and the plan number from the last return/report: a Sponsor's name c Plan Name	4b EIN	
	4d PN	
5 Total number of participants at the beginning of the plan year	5	3711
6 Number of participants as of the end of the plan year unless otherwise stated (welfare plans complete only lines 6a(1) , 6a(2) , 6b , 6c , and 6d). a(1) Total number of active participants at the beginning of the plan year a(2) Total number of active participants at the end of the plan year b Retired or separated participants receiving benefits..... c Other retired or separated participants entitled to future benefits d Subtotal. Add lines 6a(2) , 6b , and 6c e Deceased participants whose beneficiaries are receiving or are entitled to receive benefits. f Total. Add lines 6d and 6e g(1) Number of participants with account balances as of the beginning of the plan year (only defined contribution plans complete this item) g(2) Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item) h Number of participants who terminated employment during the plan year with accrued benefits that were less than 100% vested.....	6a(1)	3698
	6a(2)	3389
	6b	0
	6c	1
	6d	3390
	6e	12
	6f	3402
	6g(1)	2572
6g(2)	2732	
6h	0	
7 Enter the total number of employers obligated to contribute to the plan (only multiemployer plans complete this item)	7	

8a If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristics Codes in the instructions:
2I 2P 3H 3I 2E

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)	9b Plan benefit arrangement (check all that apply)
(1) <input type="checkbox"/> Insurance	(1) <input type="checkbox"/> Insurance
(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts	(2) <input type="checkbox"/> Code section 412(e)(3) insurance contracts
(3) <input checked="" type="checkbox"/> Trust	(3) <input checked="" type="checkbox"/> Trust
(4) <input type="checkbox"/> General assets of the sponsor	(4) <input type="checkbox"/> General assets of the sponsor

10 Check all applicable boxes in 10a and 10b to indicate which schedules are attached, and, where indicated, enter the number attached. (See instructions)

a Pension Schedules	b General Schedules
(1) <input checked="" type="checkbox"/> R (Retirement Plan Information)	(1) <input checked="" type="checkbox"/> H (Financial Information)
(2) <input type="checkbox"/> MB (Multiemployer Defined Benefit Plan and Certain Money Purchase Plan Actuarial Information) - signed by the plan actuary	(2) <input type="checkbox"/> I (Financial Information – Small Plan)
(3) <input type="checkbox"/> SB (Single-Employer Defined Benefit Plan Actuarial Information) - signed by the plan actuary	(3) <input type="checkbox"/> A (Insurance Information) – Number Attached <u>0</u>
(4) <input type="checkbox"/> DCG (Individual Plan Information) – Number Attached _____	(4) <input type="checkbox"/> C (Service Provider Information)
(5) <input type="checkbox"/> MEP (Multiple-Employer Retirement Plan Information)	(5) <input checked="" type="checkbox"/> D (DFE/Participating Plan Information)
	(6) <input type="checkbox"/> 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 2024 Form M-1 annual report. If the plan was not required to file the 2024 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 D (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small>	DFE/Participating Plan Information This schedule is required to be filed under section 104 of the Employee Retirement Income Security Act of 1974 (ERISA). ▶ File as an attachment to Form 5500.	<small>OMB No. 1210-0110</small> 2024 This Form is Open to Public Inspection.
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

A Name of plan <u>ESOP OF UMB</u>	B Three-digit plan number (PN) ▶	<u>004</u>
C Plan or DFE sponsor's name as shown on line 2a of Form 5500 <u>UMB FINANCIAL CORPORATION</u>	D Employer Identification Number (EIN) <u>43-0903811</u>	

Part I	Information on interests in MTIAs, CCTs, PSAs, and 103-12 IEs (to be completed by plans and DFEs) (Complete as many entries as needed to report all interests in DFEs)
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a Name of MTIA, CCT, PSA, or 103-12 IE: <u>UMB MASTER TRUST</u>		
b Name of sponsor of entity listed in (a): <u>UMB FINANCIAL CORPORATION</u>		
c EIN-PN <u>43-0903811-200</u>	d Entity code <u>M</u>	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions) <u>70399368</u>
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)
a Name of MTIA, CCT, PSA, or 103-12 IE:		
b Name of sponsor of entity listed in (a):		
c EIN-PN	d Entity code	e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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

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

c EIN-PN

d Entity code

e Dollar value of interest in MTIA, CCT, PSA, or 103-12 IE at end of year (see instructions)

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 2024 This Form is Open to Public Inspection
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024	
A Name of plan ESOP OF UMB	B Three-digit plan number (PN) ▶ 004
C Plan sponsor's name as shown on line 2a of Form 5500 UMB FINANCIAL CORPORATION	D Employer Identification Number (EIN) 43-0903811

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

Assets	(a) Beginning of Year	(b) End of Year
a Total noninterest-bearing cash	1a 0	0
b Receivables (less allowance for doubtful accounts):		
(1) Employer contributions	1b(1) 1000000	1000000
(2) Participant contributions	1b(2) 0	0
(3) Other	1b(3) 0	0
c General investments:		
(1) Interest-bearing cash (include money market accounts & certificates of deposit)	1c(1) 0	0
(2) U.S. Government securities	1c(2) 0	0
(3) Corporate debt instruments (other than employer securities):		
(A) Preferred	1c(3)(A) 0	0
(B) All other	1c(3)(B) 0	0
(4) Corporate stocks (other than employer securities):		
(A) Preferred	1c(4)(A) 0	0
(B) Common	1c(4)(B) 0	0
(5) Partnership/joint venture interests	1c(5) 0	0
(6) Real estate (other than employer real property)	1c(6) 0	0
(7) Loans (other than to participants)	1c(7) 0	0
(8) Participant loans	1c(8) 0	0
(9) Value of interest in common/collective trusts	1c(9) 0	0
(10) Value of interest in pooled separate accounts	1c(10) 0	0
(11) Value of interest in master trust investment accounts	1c(11) 58562805	70399368
(12) Value of interest in 103-12 investment entities	1c(12) 0	0
(13) Value of interest in registered investment companies (e.g., mutual funds)	1c(13) 0	0
(14) Value of funds held in insurance company general account (unallocated contracts)	1c(14) 0	0
(15) Other	1c(15) 0	0

1d Employer-related investments:		(a) Beginning of Year	(b) End of Year
(1) Employer securities.....	1d(1)	0	0
(2) Employer real property.....	1d(2)	0	0
e Buildings and other property used in plan operation.....	1e	0	0
f Total assets (add all amounts in lines 1a through 1e).....	1f	59562805	71399368
Liabilities			
g Benefit claims payable.....	1g	0	0
h Operating payables.....	1h	0	0
i Acquisition indebtedness.....	1i	0	0
j Other liabilities.....	1j	0	0
k Total liabilities (add all amounts in lines 1g through 1j).....	1k	0	0
Net Assets			
l Net assets (subtract line 1k from line 1f).....	1l	59562805	71399368

Part II Income and Expense Statement

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

Income		(a) Amount	(b) Total
a Contributions:			
(1) Received or receivable in cash from: (A) Employers.....	2a(1)(A)	1000000	
(B) Participants.....	2a(1)(B)	0	
(C) Others (including rollovers).....	2a(1)(C)	0	
(2) Noncash contributions.....	2a(2)	0	1000000
(3) Total contributions. Add lines 2a(1)(A) , (B) , (C) , and line 2a(2)	2a(3)		
b Earnings on investments:			
(1) Interest:			
(A) Interest-bearing cash (including money market accounts and certificates of deposit).....	2b(1)(A)	0	
(B) U.S. Government securities.....	2b(1)(B)	0	
(C) Corporate debt instruments.....	2b(1)(C)	0	
(D) Loans (other than to participants).....	2b(1)(D)	0	
(E) Participant loans.....	2b(1)(E)	0	
(F) Other.....	2b(1)(F)	0	
(G) Total interest. Add lines 2b(1)(A) through (F)	2b(1)(G)		0
(2) Dividends:			
(A) Preferred stock.....	2b(2)(A)	0	
(B) Common stock.....	2b(2)(B)	0	
(C) Registered investment company shares (e.g. mutual funds).....	2b(2)(C)	0	
(D) Total dividends. Add lines 2b(2)(A) , (B) , and (C)	2b(2)(D)		0
(3) Rents.....	2b(3)		0
(4) Net gain (loss) on sale of assets:			
(A) Aggregate proceeds.....	2b(4)(A)	0	
(B) Aggregate carrying amount (see instructions).....	2b(4)(B)	0	
(C) Subtract line 2b(4)(B) from line 2b(4)(A) and enter result.....	2b(4)(C)		
(5) Unrealized appreciation (depreciation) of assets:			
(A) Real estate.....	2b(5)(A)	0	
(B) Other.....	2b(5)(B)	0	
(C) Total unrealized appreciation of assets. Add lines 2b(5)(A) and (B)	2b(5)(C)		

	(a) Amount	(b) Total
(6) Net investment gain (loss) from common/collective trusts	2b(6)	0
(7) Net investment gain (loss) from pooled separate accounts	2b(7)	0
(8) Net investment gain (loss) from master trust investment accounts	2b(8)	20513933
(9) Net investment gain (loss) from 103-12 investment entities	2b(9)	0
(10) Net investment gain (loss) from registered investment companies (e.g., mutual funds)	2b(10)	0
c Other income	2c	0
d Total income. Add all income amounts in column (b) and enter total.....	2d	21513933

Expenses

e Benefit payment and payments to provide benefits:		
(1) Directly to participants or beneficiaries, including direct rollovers.....	2e(1)	8594829
(2) To insurance carriers for the provision of benefits	2e(2)	0
(3) Other.....	2e(3)	0
(4) Total benefit payments. Add lines 2e(1) through (3)	2e(4)	8594829
f Corrective distributions (see instructions)	2f	0
g Certain deemed distributions of participant loans (see instructions).....	2g	0
h Interest expense.....	2h	0
i Administrative expenses:		
(1) Salaries and allowances	2i(1)	0
(2) Contract administrator fees	2i(2)	0
(3) Recordkeeping fees	2i(3)	4378
(4) IQPA audit fees	2i(4)	0
(5) Investment advisory and investment management fees	2i(5)	0
(6) Bank or trust company trustee/custodial fees	2i(6)	0
(7) Actuarial fees	2i(7)	0
(8) Legal fees	2i(8)	0
(9) Valuation/appraisal fees	2i(9)	0
(10) Other trustee fees and expenses	2i(10)	0
(11) Other expenses.....	2i(11)	0
(12) Total administrative expenses. Add lines 2i(1) through (11)	2i(12)	4378
j Total expenses. Add all expense amounts in column (b) and enter total.....	2j	8599207

Net Income and Reconciliation

k Net income (loss). Subtract line 2j from line 2d.....	2k	12914726
l Transfers of assets:		
(1) To this plan.....	2l(1)	0
(2) From this plan	2l(2)	1078163

Part III Accountant's Opinion

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

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

(1) Unmodified (2) Qualified (3) Disclaimer (4) Adverse

b Check the appropriate box(es) to indicate whether the IQPA performed an ERISA section 103(a)(3)(C) audit. Check both boxes (1) and (2) if the audit was performed pursuant to both 29 CFR 2520.103-8 and 29 CFR 2520.103-12(d). Check box (3) if pursuant to neither.

(1) DOL Regulation 2520.103-8 (2) DOL Regulation 2520.103-12(d) (3) neither DOL Regulation 2520.103-8 nor DOL Regulation 2520.103-12(d).

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

(1) Name: RUBINBROWN LLP

(2) EIN: 43-0765316

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

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

Part IV Compliance Questions

4 CCTs and PSAs do not complete Part IV. MTIAs, 103-12 IEs, and GIAs do not complete lines 4a, 4e, 4f, 4g, 4h, 4k, 4m, 4n, or 5. 103-12 IEs also do not complete lines 4j and 4l. MTIAs also do not complete line 4l. DCGs do not complete lines 4e, 4f, 4k, 4l, and 5, and DCGs generally complete the rest of Part IV collectively for all plans in the DCG, except as otherwise provided (see instructions).

During the plan year:

	Yes	No	Amount
a Was there a failure to transmit to the plan any participant contributions within the time period described in 29 CFR 2510.3-102? Continue to answer "Yes" for any prior year failures until fully corrected. (See instructions and DOL's Voluntary Fiduciary Correction Program.)		X	
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.)		X	
c Were any leases to which the plan was a party in default or classified during the year as uncollectible? (Attach Schedule G (Form 5500) Part II if "Yes" is checked.)		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.)		X	
e Was this plan covered by a fidelity bond?	X		1000000
f Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?		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?		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?		X	
i Did the plan have assets held for investment? (Attach schedule(s) of assets if "Yes" is checked, and see instructions for format requirements.)		X	
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.)		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?		X	
l Has the plan failed to provide any benefit when due under the plan?		X	
m If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)		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.		X	

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)
UMB PROFIT SHARING AND 401(K) SAVINGS PLAN	43-0903811	001

5c Was the plan a defined benefit plan covered under the PBGC insurance program at any time during this plan year? (See ERISA section 4021 and instructions.) Yes No Not determined
 If "Yes" is checked, enter the My PAA confirmation number from the PBGC premium filing for this plan year _____.

SCHEDULE R (Form 5500) <small>Department of the Treasury Internal Revenue Service</small> <small>Department of Labor Employee Benefits Security Administration</small> <small>Pension Benefit Guaranty Corporation</small>	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.	<small>OMB No. 1210-0110</small> 2024 This Form is Open to Public Inspection.
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For calendar plan year 2024 or fiscal plan year beginning 01/01/2024 and ending 12/31/2024

A Name of plan <u>ESOP OF UMB</u>	B Three-digit plan number (PN)	<u>004</u>
C Plan sponsor's name as shown on line 2a of Form 5500 <u>UMB FINANCIAL CORPORATION</u>	D Employer Identification Number (EIN) <u>43-0903811</u>	

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

1 Total value of distributions paid in property other than in cash or the forms of property specified in the instructions..... 1

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): 04-6568107

Profit-sharing plans, ESOPs, and stock bonus plans, skip line 3.

3 Number of participants (living or deceased) whose benefits were distributed in a single sum, during the plan year..... 3

Part II	Funding Information (If the plan is not subject to the minimum funding requirements of section 412 of the Internal Revenue Code or ERISA section 302, skip this Part.)
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4 Is the plan administrator making an election under Code section 412(d)(2) or ERISA section 302(d)(2)?..... Yes No N/A
If the plan is a defined benefit plan, go to line 8.

5 If a waiver of the minimum funding standard for a prior year is being amortized in this plan year, see instructions and enter the date of the ruling letter granting the waiver. **Date:** Month _____ Day _____ Year _____
If you completed line 5, complete lines 3, 9, and 10 of Schedule MB and do not complete the remainder of this schedule.

6 a Enter the minimum required contribution for this plan year (include any prior year accumulated funding deficiency not waived)	6a	
b Enter the amount contributed by the employer to the plan for this plan year	6b	
c Subtract the amount in line 6b from the amount in line 6a. Enter the result (enter a minus sign to the left of a negative amount).....	6c	

If you completed line 6c, skip lines 8 and 9.

7 Will the minimum funding amount reported on line 6c be met by the funding deadline?..... Yes No N/A

8 If a change in actuarial cost method was made for this plan year pursuant to a revenue procedure or other authority providing automatic approval for the change or a class ruling letter, does the plan sponsor or plan administrator agree with the change?..... Yes No N/A

Part III	Amendments
-----------------	-------------------

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

Part V Additional Information for Multiemployer Defined Benefit Pension Plans

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

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

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

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

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

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

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

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

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

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

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

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

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

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

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

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

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

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

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

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

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

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

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

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

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

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

a Name of contributing employer _____

b EIN _____ **c** Dollar amount contributed by employer _____

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

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

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

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

14 Enter the number of deferred vested and retired participants (inactive participants), as of the beginning of the plan year, whose contributing employer is no longer making contributions to the plan for:

a The current plan year. Check the box to indicate the counting method used to determine the number of inactive participants: <input type="checkbox"/> last contributing employer <input type="checkbox"/> alternative <input type="checkbox"/> reasonable approximation (see instructions for required attachment).....	14a	
b The plan year immediately preceding the current plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	14b	
c The second preceding plan year. <input type="checkbox"/> Check the box if the number reported is a change from what was previously reported (see instructions for required attachment).....	14c	

15 Enter the ratio of the number of participants under the plan on whose behalf no employer had an obligation to make an employer contribution during the current plan year to:

a The corresponding number for the plan year immediately preceding the current plan year	15a	
b The corresponding number for the second preceding plan year	15b	

16 Information with respect to any employers who withdrew from the plan during the preceding plan year:

a Enter the number of employers who withdrew during the preceding plan year	16a	
b If line 16a is greater than 0, enter the aggregate amount of withdrawal liability assessed or estimated to be assessed against such withdrawn employers.....	16b	

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

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

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

19 If the total number of participants is 1,000 or more, complete lines (a) and (b):

a Enter the percentage of plan assets held as:
 Public Equity: _____% Private Equity: _____% Investment-Grade Debt and Interest Rate Hedging Assets: _____%
 High-Yield Debt: _____% Real Assets: _____% Cash or Cash Equivalents: _____% Other: _____%

b Provide the average duration of the Investment-Grade Debt and Interest Rate Hedging Assets:
 0-5 years 5-10 years 10-15 years 15 years or more

20 PBGC missed contribution reporting requirements. If this is a multiemployer plan or a single-employer plan that is not covered by PBGC, skip line 20.

a Is the amount of unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40 greater than zero? Yes No

b If line 20a is "Yes," has PBGC been notified as required by ERISA sections 4043(c)(5) and/or 303(k)(4)? Check the applicable box:
 Yes.
 No. Reporting was waived under 29 CFR 4043.25(c)(2) because contributions equal to or exceeding the unpaid minimum required contribution were made by the 30th day after the due date.
 No. The 30-day period referenced in 29 CFR 4043.25(c)(2) has not yet ended, and the sponsor intends to make a contribution equal to or exceeding the unpaid minimum required contribution by the 30th day after the due date.
 No. Other. Provide explanation: _____

Part VII IRS Compliance Questions

21a Does the plan satisfy the coverage and nondiscrimination tests of Code sections 410(b) and 401(a)(4) by combining this plan with any other plans under the permissive aggregation rules? Yes No

21b If this is a Code section 401(k) plan, check all boxes that apply to indicate how the plan is intended to satisfy the nondiscrimination requirements for employee deferrals and employer matching contributions (as applicable) under Code sections 401(k)(3) and 401(m)(2).
 Design-based safe harbor method
 "Prior year" ADP test
 "Current year" ADP test
 N/A

22 If the plan sponsor is an adopter of a pre-approved plan that received a favorable IRS Opinion Letter, enter the date of the Opinion Letter ___/___/___ (MM/DD/YYYY) and the Opinion Letter serial number _____.

THE ESOP OF UMB

FINANCIAL STATEMENTS
DECEMBER 31, 2024

THE ESOP OF UMB

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Independent Auditors' Report

Personnel Programs and Employee Benefit
Administrative Committee of UMB Financial
Corporation and Plan Participants
The ESOP of UMB
Kansas City, Missouri

Opinion

We have audited the financial statements of The ESOP of UMB, an employee benefit plan subject to the Employee Retirement Income Security Act of 1974 (ERISA), which comprise the statement of net assets available for benefits as of December 31, 2024 and 2023, and the related statement of changes in net assets available for benefits for the years then ended, and the related notes to the financial statements.

In our opinion, the accompanying financial statements present fairly, in all material respects, the net assets available for benefits of The ESOP of UMB as of December 31, 2024 and 2023, and the changes in its net assets available for benefits for the years then ended, in accordance with accounting principles generally accepted in the United States of America.

Basis For Opinion

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

Responsibilities Of Management 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.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about The ESOP of UMB's ability to continue as a going concern for one year after the date that the financial statements are available to be issued.

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

Auditors' Responsibilities For The Audit Of The Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with auditing standards generally accepted in the United States of America will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with auditing standards generally accepted in the United States of America, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of The ESOP of UMB's internal control. Accordingly, no such opinion is expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about The ESOP of UMB's ability to continue as a going concern for a reasonable period of time.

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

RubinBrown LLP
July 25, 2025

THE ESOP OF UMB
STATEMENT OF NET ASSETS AVAILABLE FOR BENEFITS

	December 31,	
	2024	2023
Assets:		
Investments, at fair value:		
Share of net assets of UMB Retirement Master Trust	\$ 70,399,368	\$ 58,562,805
Receivables:		
Employer contributions	1,000,000	1,000,000
Total receivables	1,000,000	1,000,000
Net assets available for benefits	\$ 71,399,368	\$ 59,562,805

See accompanying Notes to Financial Statements.

**THE ESOP OF UMB
STATEMENT OF CHANGES IN NET ASSETS
AVAILABLE FOR BENEFITS**

	Year Ended December 31,	
	2024	2023
Additions to net assets attributed to:		
Employer contributions	\$ 1,000,000	\$ 1,000,000
Deductions from net assets attributed to:		
Benefits paid directly to participants	8,594,829	3,979,512
Administrative expenses	4,378	9,025
Total deductions	<u>8,599,207</u>	<u>3,988,537</u>
Investment income		
Plan interest in UMB Retirement Master Trust investment income	20,513,933	478,446
Increase (decrease) in net assets available for benefits before transfers	12,914,726	(2,510,091)
Transfers to UMB Profit Sharing and 401(k) Savings Plan	1,078,163	248,708
Increase (decrease) in net assets available for benefits	11,836,563	(2,758,799)
Net assets available for benefits - beginning of year	59,562,805	62,321,604
Net assets available for benefits - end of year	<u>\$ 71,399,368</u>	<u>\$ 59,562,805</u>

See accompanying Notes to Financial Statements.

THE ESOP OF UMB
NOTES TO FINANCIAL STATEMENTS
December 31, 2024 and 2023

1. Description of the Plan

The following description of The ESOP of UMB (the Plan) provides only general information. Participants should refer to the Plan Agreement for a more complete description of the Plan's provisions.

General

UMB Financial Corporation and affiliates (collectively, the Company or UMB) established the Plan that operates, in relevant part, as an employee stock ownership plan, and is designed to comply with Section 4975(e)(7) and the regulations thereunder of the Internal Revenue Code of 1986 (the Code), as amended, and is subject to the applicable provisions of the Employee Retirement Income Security Act of 1974 (ERISA), as amended. The Trustee is Fidelity Management Trust Company.

Eligibility

The Plan provides that employees who complete a year of service and 1,000 hours of service each year become eligible to participate in the Plan. Eligible participants will enter the Plan the earlier of the first day of the Plan year or the first day of the seventh month of the Plan year coinciding with or following the date the participant has satisfied the eligibility requirements.

Contributions

Contributions to the Plan are made at the discretion of the Company in the form of cash or Company common stock. In 2025, the Company made cash contributions to the Plan of \$1,000,000 related to the 2024 Plan year. In 2024, the Company made cash contributions to the Plan of \$1,000,000 related to the 2023 Plan year.

Participant Accounts

The Plan is a defined contribution plan under which a separate individual account is established for each participant. Each participant's account is credited with an allocation of Company contributions, if any, and forfeitures of terminated participants' nonvested accounts. Allocations are made to those participants who are eligible employees of the Company as of the last day of the Plan year and who worked 1,000 hours, or have retired, died, or became permanently and totally disabled during the Plan year. Allocations are based on a participant's eligible compensation, relative to total eligible compensation. Plan earnings (losses) are allocated to each participant's account based on the ratio of the participant's account balance to all participants' account balances. Participant accounts are valued daily.

Vesting and Forfeitures

If a participant's employment with the Company ends for any reason other than retirement, permanent and total disability or death, they will vest in the balances in their account based on total years of service with the Company. Participants are 50 percent vested after two years of service and 100 percent vested after three years of service. Any funds held in a participant's account that are attributable to dividends in Company common stock received on or after January 1, 2002 are fully vested at all times.

The Company, at its discretion, determines how forfeited nonvested accounts will be used in accordance with the Plan Agreement. At December 31, 2024 and 2023, available forfeited nonvested accounts totaled \$9,092 and \$1,961, respectively. The Company did not allocate any forfeited balances during 2024 or 2023.

Payment of Benefits

Distributions of vested amounts from the Plan are made only in the event of retirement, death, permanent and total disability, termination of service, or reaching age 59½. Benefit payments are made in cash, in full shares of Company common stock, or any combination of these two forms.

Dividends are reinvested in additional shares of Company common stock in the Plan unless the participant elects to have the dividends distributed as a cash distribution.

Voting Rights

Each participant is entitled to exercise voting rights attributable to the shares allocated to their account and is notified by the Trustee prior to the time that such rights are to be exercised. If the Trustee does not receive timely voting directions from a participant or beneficiary with respect to allocated shares, the Trustee shall vote the allocated shares.

Put Option

Under federal income tax regulations, the Company common stock that is held by the Plan and its participants and is not readily tradable on an established market, or is subject to trading limitations includes a put option. The put option is a right to demand that the Company buy any shares of its stock distributed to participants for which there is no market. The put price is representative of the fair market value of the stock. The Company can pay for the purchase with interest over a period of five years. The purpose of the put option is to ensure that the participant has the ability to ultimately obtain cash.

Diversification

Diversification is offered to participants close to retirement so that they may have the opportunity to move part of the value of their investment in Company common stock into the UMB Profit Sharing and 401(k) Savings Plan. Participants who are at least age 50 with at least 10 years of service may elect to transfer a portion of their account balances from the Plan to the UMB Profit Sharing and 401(k) Savings Plan. A participant may diversify up to 25 percent of the number of shares allocated to their account, less any shares previously diversified. Upon attaining age 60, the percentage changes to 50 percent.

2. Summary of Significant Accounting Policies

Basis of Accounting and Use of Estimates

The financial statements of the Plan are prepared using the accrual method of accounting. The preparation of financial statements in conformity with U.S. generally accepted accounting principles requires management to make estimates that affect the financial statements and accompanying notes. Actual results could differ from those estimates.

Risks and Uncertainties

The Plan, via the UMB Retirement Master Trust, invests in various investment securities. Investment securities, in general, are exposed to various risks, such as interest rate, credit, and overall market volatility. Due to the level of risk associated with certain investment securities, it is reasonably possible that changes in the values of investment securities will occur in the near term and that such changes could materially affect participants' account balances and the amounts reported in the financial statements.

Valuation of Investments

Investments in the UMB Retirement Master Trust are stated at fair value.

Recognition of Investment Income (Loss)

Purchases and sales of securities are recorded on a trade-date basis. Interest income is recorded on the accrual basis. Dividends are recorded on the ex-dividend date. Net change in fair value of investments includes the Plan's gains and losses on investments bought and sold, as well as held during the year. Net change in fair value of investments and dividend and interest income are presented in the accompanying statement of changes in net assets available for benefits as Plan interest in UMB Retirement Master Trust investment income (loss), which is detailed in Note 3.

Allowance for Credit Losses

Amounts due for contributions are stated at the amount management expects to collect from outstanding balances less an allowance for expected credit losses. The expected credit losses amount reflects management's best estimate of amounts that will not be collected. This assessment considers historical experience, current conditions and, when appropriate, reasonable and supportable forecasts.

The Plan has concluded that no allowance for current expected credit losses was necessary at either December 31, 2024 or 2023.

Payment of Benefits

Benefit payments to participants are recorded when paid.

Costs and Expenses

Fees related to certain terminated participant accounts and distributions are charged directly to the participant's account and are included in administrative expenses. Investment related expenses are included in investment income. All expenses for administration of the Plan may be paid from Plan assets unless paid by the Company.

3. UMB Retirement Master Trust

The assets of the Plan and the UMB Profit Sharing and 401(k) Savings Plan are combined into the UMB Retirement Master Trust (the Master Trust), a master trust established by the Company and administered by the Trustee. Use of the Master Trust permits the commingling of Plan assets with the assets of the UMB Profit Sharing and 401(k) Savings Plan for investment and administrative purposes. At December 31, 2024 and 2023, the Plan's assets relate to its share of the allocated net assets of the Master Trust. Although assets of both plans are commingled in the Master Trust, the Trustee maintains supporting records for the purpose of allocating investment income or loss to the participating plans. The net investment income or loss of the investment assets is allocated by the Trustee to each participating plan on a basis proportionate to the Plan's share of net assets.

The following table presents the net assets of the Master Trust and the Plan's interest in the net assets of the Master Trust at December 31, 2024 and 2023:

	2024		2023	
	Master Trust	Plan's Interest in Master Trust	Master Trust	Plan's Interest in Master Trust
Investments, at fair value:				
Mutual funds	\$ 569,017,347	\$ —	\$ 560,514,687	\$ —
UMB company stock	91,095,797	70,147,581	74,660,605	58,289,127
Money market funds	29,916,843	—	30,443,210	—
Collective investment trust	87,567,734	—	—	—
Total investments	777,597,721	70,147,581	665,618,502	58,289,127
Receivables:				
Dividends receivable	322,230	249,475	353,468	272,104
Other	146	—	3,075	—
Total receivables	322,376	249,475	356,543	272,104
Cash	5,865	2,312	4,157	1,574
Net assets	<u>\$ 777,925,962</u>	<u>\$ 70,399,368</u>	<u>\$ 665,979,202</u>	<u>\$ 58,562,805</u>

Income/(loss) of the Master Trust includes net change in the fair value of investments and dividend and interest income. Net change in the fair value of its investments includes the Master Trust's gains and losses on investments bought and sold, as well as held during the year.

The following is a summary of net investment income from the Master Trust for the years ended December 31, 2024 and 2023:

	2024	2023
Dividend and interest income	27,854,007	21,937,287
Net appreciation in the fair value of investments	100,441,291	80,205,947
Total Master Trust net investment income	<u>\$ 128,295,298</u>	<u>\$ 102,143,234</u>

4. Fair Value Measurements

The Master Trust utilizes an established framework for measuring fair value. That framework provides a fair value hierarchy that prioritizes the inputs to valuation techniques used to measure fair value. The hierarchy gives the highest priority to unadjusted quoted prices in active markets for identical assets or liabilities (Level 1 measurements) and the lowest priority to unobservable inputs (Level 3 measurements). The three levels of the fair value hierarchy are described below:

- Level 1 Inputs to the valuation methodology are unadjusted quoted prices for identical assets or liabilities in active markets that the Master Trust has the ability to access.
- Level 2 Inputs to the valuation methodology include:
- Quoted prices for similar assets or liabilities in active markets;
 - Quoted prices for identical or similar assets or liabilities in inactive markets;
 - Inputs other than quoted prices that are observable for the asset or liability;
 - Inputs that are derived principally from or corroborated by observable market data by correlation or other means.

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

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

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

Following is a description of the valuation methodologies used for assets measured at fair value. There have been no changes in the methodologies used at December 31, 2024 or 2023.

Mutual Funds and Money Market Funds

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

UMB Company Stock

UMB Financial Corporation shares are valued at the daily closing price reported on the active market on which the individual securities are traded.

Collective Investment Trust

The collective investment trust is valued at the NAV, as provided by the Trustee, and is used as a practical expedient to estimate fair value. The NAV is based on the fair value of the underlying investments held by the collective investment trust less its liabilities. This practical expedient is not used when it is determined to be probable that the fund will sell the investment for an amount different than the reported NAV. Participant transactions (purchases and sales) may occur daily. Redemptions for the collective investment trust are permitted daily with no other restrictions or notice periods. For the Plan year ended December 31, 2024, there were no unfunded capital commitments and the collective investment trust files an annual report on Form 5500 as a direct filing entity. In accordance with U.S. generally accepted accounting principles, the collective investment trust fund measured at NAV has not been classified in the fair value hierarchy. The fair value amounts presented in the table below are intended to permit reconciliation to the amounts presented in Note 3.

The following table sets forth by level, within the fair value hierarchy, the Master Trust's assets measured at fair value on a recurring basis as of December 31, 2024:

	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 569,017,347	\$ —	\$ —	\$ 569,017,347
Money market funds	29,916,843	—	—	29,916,843
UMB company stock	91,095,797	—	—	91,095,797
Total assets in the fair value hierarchy	690,029,987	—	—	690,029,987
Collective investment trust				87,567,734
Total investments at fair value				<u>\$ 777,597,721</u>

The following table sets forth by level, within the fair value hierarchy, the Master Trust's assets measured at fair value on a recurring basis as of December 31, 2023:

	Level 1	Level 2	Level 3	Total
Mutual funds	\$ 560,514,687	\$ —	\$ —	\$ 560,514,687
Money market funds	30,443,210	—	—	30,443,210
UMB company stock	74,660,605	—	—	74,660,605
Total investments at fair value	<u>\$ 665,618,502</u>	<u>\$ —</u>	<u>\$ —</u>	<u>\$ 665,618,502</u>

5. Plan Termination

Although it has not expressed any intention to do so, the Board of Directors of the Company reserves the right to terminate the Plan at any time, subject to Plan provisions. In the event that the Plan is terminated, participants become 100 percent vested in their accounts and the Plan provides that its net assets be used to pay all expenses and benefits due and will distribute the remaining assets among the Plan participants based upon their account balance.

6. Tax Status

The Internal Revenue Service has determined and informed the Company by a letter dated November 20, 2017, that the Plan and related trust were designed in accordance with the applicable regulations of the Code. The Company believes that the Plan is being operated in compliance with the applicable requirements of the Code and the Plan and related trust continue to be tax-exempt. Therefore, no provision for income taxes has been included in the Plan's financial statements. The Plan is subject to routine audits by taxing jurisdictions; however there are currently no audits for any tax period in progress. The Plan's federal tax returns for tax years 2021 and later remain subject to examination by taxing authorities.

7. Related Party and Party In Interest Transactions

At December 31, 2024 and 2023, included in the Plan's share of net assets of the Master Trust are 621,449 and 699,005 shares, respectively, of UMB's company stock at a fair value of \$70,147,581 and \$58,289,127, respectively. All of the above transactions are exempt party in interest transactions under ERISA.

8. Subsequent Event

Effective January 1, 2025, the UMB Retirement Master Trust was dissolved. The Plan no longer has an interest in the Master Trust, and the Plan's assets related to its share of the allocated net assets of the Master Trust are held by the Plan directly.

On January 31, 2025, the Company acquired all of the outstanding stock of Heartland Financial USA, Inc. (HTLF). Individuals who became employees of the Company as a result of the acquisition of HTLF are eligible to participate in the Plan and will follow the current eligibility requirements inclusive of their legacy service period.