

Form 5500-SF Department of the Treasury Internal Revenue Service Department of Labor Employee Benefits Security Administration Pension Benefit Guaranty Corporation	Short Form Annual Return/Report of Small Employee Benefit Plan This form is required to be filed 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-SF.	OMB Nos. 1210-0110 1210-0089 2016 This Form is Open to Public Inspection
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Part I Annual Report Identification Information			
For calendar plan year 2016 or fiscal plan year beginning <u>01/01/2016</u> and ending <u>12/31/2016</u>			
A This return/report is for:	☒ a single-employer plan	☐ a multiple-employer plan (not multiemployer) (Filers checking this box must attach a list of participating employer information in accordance with the form instructions.)	
	☐ a one-participant plan	☐ a foreign plan	
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 Check box if filing under:	☐ Form 5558	☒ automatic extension	☐ DFVC program
	☐ special extension (enter description)		

Part II Basic Plan Information —enter all requested information			
1a Name of plan <u>THE MERCHANTS NATIONAL BANK DEFINED BENEFIT RETIREMENT PLAN</u>	1b Three-digit plan number (PN) ►	<u>001</u>	
	1c Effective date of plan	<u>05/01/1972</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>MERCHANTS NATIONAL BANK</u> <u>100 NORTH HIGH STREET</u> <u>HILLSBORO, OH 45133</u>	2b Employer Identification Number (EIN)	<u>31-0373340</u>	
	2c Sponsor's telephone number	<u>937-393-1993</u>	
	2d Business code (see instructions)	<u>522110</u>	
3a Plan administrator's name and address ☒ Same as Plan Sponsor.	3b Administrator's EIN		
	3c Administrator's telephone number		
4 If the name and/or EIN of the plan sponsor has changed since the last return/report filed for this plan, enter the name, EIN, and the plan number from the last return/report.	4b EIN		
a Sponsor's name	4c PN		
5a Total number of participants at the beginning of the plan year	5a	<u>60</u>	
b Total number of participants at the end of the plan year	5b	<u>54</u>	
c Number of participants with account balances as of the end of the plan year (only defined contribution plans complete this item)	5c		
d(1) Total number of active participants at the beginning of the plan year	5d(1)	<u>51</u>	
d(2) Total number of active participants at the end of the plan year	5d(2)	<u>45</u>	
e Number of participants that terminated employment during the plan year with accrued benefits that were less than 100% vested	5e	<u>0</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, if applicable, a Schedule SB or Schedule MB completed and signed by an enrolled actuary, 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.	10/02/2017	PAUL PENCE
	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

Preparer's name (including firm name, if applicable) and address (include room or suite number)	Preparer's telephone number

- 6a** Were all of the plan's assets during the plan year invested in eligible assets? (See instructions.) ☒ Yes ☐ No
- b** Are you claiming a waiver of the annual examination and report of an independent qualified public accountant (IQPA) under 29 CFR 2520.104-46? (See instructions on waiver eligibility and conditions.) ☒ Yes ☐ No
- If you answered "No" to either line 6a or line 6b, the plan cannot use Form 5500-SF and must instead use Form 5500.**
- c** If the plan is a defined benefit plan, is it covered under the PBGC insurance program (see ERISA section 4021)? ☒ Yes ☐ No ☐ Not determined

Part III Financial Information

7 Plan Assets and Liabilities		(a) Beginning of Year	(b) End of Year
a Total plan assets	7a	7849378	9244012
b Total plan liabilities	7b		
c Net plan assets (subtract line 7b from line 7a)	7c	7849378	9244012
8 Income, Expenses, and Transfers for this Plan Year		(a) Amount	(b) Total
a Contributions received or receivable from:			
(1) Employers	8a(1)	1000000	
(2) Participants	8a(2)		
(3) Others (including rollovers)	8a(3)		
b Other income (loss)	8b	512268	
c Total income (add lines 8a(1), 8a(2), 8a(3), and 8b)	8c		1512268
d Benefits paid (including direct rollovers and insurance premiums to provide benefits)	8d	117634	
e Certain deemed and/or corrective distributions (see instructions) ..	8e		
f Administrative service providers (salaries, fees, commissions)	8f		
g Other expenses	8g		
h Total expenses (add lines 8d, 8e, 8f, and 8g)	8h		117634
i Net income (loss) (subtract line 8h from line 8c)	8i		1394634
j Transfers to (from) the plan (see instructions)	8j		

Part IV Plan Characteristics

- 9a** If the plan provides pension benefits, enter the applicable pension feature codes from the List of Plan Characteristic Codes in the instructions:
1A 3D
- b** If the plan provides welfare benefits, enter the applicable welfare feature codes from the List of Plan Characteristic Codes in the instructions:

Part V Compliance Questions

10 During the plan year:		Yes	No	N/A	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? (See instructions and DOL's Voluntary Fiduciary Correction Program)	10a		X		
b Were there any nonexempt transactions with any party-in-interest? (Do not include transactions reported on line 10a.)	10b		X		
c Was the plan covered by a fidelity bond?	10c	X			500000
d Did the plan have a loss, whether or not reimbursed by the plan's fidelity bond, that was caused by fraud or dishonesty?	10d		X		
e Were any fees or commissions paid to any brokers, agents, or other persons by an insurance carrier, insurance service, or other organization that provides some or all of the benefits under the plan? (See instructions.)	10e		X		
f Has the plan failed to provide any benefit when due under the plan?	10f		X		
g Did the plan have any participant loans? (If "Yes," enter amount as of year-end.)	10g		X		
h If this is an individual account plan, was there a blackout period? (See instructions and 29 CFR 2520.101-3.)	10h				
i If 10h was answered "Yes," check the box if you either provided the required notice or one of the exceptions to providing the notice applied under 29 CFR 2520.101-3	10i				

Part VI Pension Funding Compliance

11 Is this a defined benefit plan subject to minimum funding requirements? (If "Yes," see instructions and complete Schedule SB (Form 5500) and line 11a below)	☒ Yes ☐ No
11a Enter the unpaid minimum required contributions for all years from Schedule SB (Form 5500) line 40	11a 0
12 Is this a defined contribution plan subject to the minimum funding requirements of section 412 of the Code or section 302 of ERISA?	☐ Yes ☒ No
(If "Yes," complete line 12a or lines 12b, 12c, 12d, and 12e below, as applicable.)	
a 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 letter ruling granting the waiver. Month _____ Day _____ Year _____	
If you completed line 12a, complete lines 3, 9, and 10 of Schedule MB (Form 5500), and skip to line 13.	
b Enter the minimum required contribution for this plan year	12b
c Enter the amount contributed by the employer to the plan for this plan year	12c
d Subtract the amount in line 12c from the amount in line 12b. Enter the result (enter a minus sign to the left of a negative amount)	12d
e Will the minimum funding amount reported on line 12d be met by the funding deadline?	☐ Yes ☐ No ☐ N/A

Part VII Plan Terminations and Transfers of Assets

13a Has a resolution to terminate the plan been adopted in any plan year?	☐ Yes ☒ No
If "Yes," enter the amount of any plan assets that reverted to the employer this year	13a
b Were all the plan assets distributed to participants or beneficiaries, transferred to another plan, or brought under the control of the PBGC?	☐ Yes ☒ No
c 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.)	
13c(1) Name of plan(s):	13c(2) EIN(s)
	13c(3) PN(s)

Part VIII Trust Information

14a Name of trust	14b Trust's EIN
14c Name of trustee or custodian	14d Trustee's or custodian's telephone number

Part IX IRS Compliance Questions

15a Is the plan a 401(k) plan? If "No," skip b.	☐ Yes ☐ No
15b How did the plan satisfy the nondiscrimination requirements for employee deferrals under section 401(k)(3) for the plan year? Check all that apply:	☐ Design-based safe harbor ☐ "Prior year" ADP test ☐ "Current year" ADP test ☐ N/A
16a What testing method was used to satisfy the coverage requirements under section 410(b) for the plan year? Check all that apply:	☐ Ratio percentage test ☐ Average benefit test ☐ N/A
16b Did the plan satisfy the coverage and nondiscrimination requirements of sections 410(b) and 401(a)(4) for the plan year by combining this plan with any other plan under the permissive aggregation rules?	☐ Yes ☐ No
17a If the plan is a master and prototype plan (M&P) or volume submitter plan that received a favorable IRS opinion letter or advisory letter, enter the date of the letter ____ / ____ / ____ and the serial number _____.	
17b If the plan is an individually-designed plan that received a favorable determination letter from the IRS, enter the date of the most recent determination letter ____ / ____ / ____.	
18 Defined Benefit Plan or Money Purchase Pension Plan Only: Were any distributions made during the plan year to an employee who attained age 62 and had not separated from service?	☐ Yes ☐ No
19 Was any plan participant a 5% owner who had attained at least age 70 ½ during the prior plan year?	☐ Yes ☐ No

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 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

▶ **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 MERCHANTS NATIONAL BANK DEFINED BENEFIT RETIREMENT PLAN</u>	B Three-digit plan number (PN) ▶ <u>001</u>
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF <u>MERCHANTS NATIONAL BANK</u>	D Employer Identification Number (EIN) <u>31-0373340</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>2016</u>	
2 Assets:	
a Market value	2a <u>7849378</u>
b Actuarial value	2b <u>8391615</u>
3 Funding target/participant count breakdown	(1) Number of participants (2) Vested Funding Target (3) Total Funding Target
a For retired participants and beneficiaries receiving payment.....	<u>0</u> <u>0</u> <u>0</u>
b For terminated vested participants.....	<u>9</u> <u>140117</u> <u>140117</u>
c For active participants.....	<u>51</u> <u>5565784</u> <u>5580182</u>
d Total.....	<u>60</u> <u>5705901</u> <u>5720299</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>5.58 %</u>
6 Target normal cost.....	6 <u>180433</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		<u>10/02/2017</u>
	Signature of actuary	Date
<u>AUDREY CERVAS</u>	Type or print name of actuary	<u>17-06430</u>
<u>CONDUENT HR CONSULTING, LLC</u>	Firm name	Most recent enrollment number
<u>6000 FREEDOM SQUARE, SUITE 100</u> <u>INDEPENDENCE, OH 44131</u>	Address of the firm	<u>216-682-7600</u>
		Telephone number (including area code)

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) 2016
v. 160205

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	0
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	0
10	Interest on line 9 using prior year's actual return of <u>-2.12</u> %	0	0
11	Prior year's excess contributions to be added to prefunding balance:		
a	Present value of excess contributions (line 38a from prior year)		472853
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>5.79</u> %		27378
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		500231
d	Portion of (c) to be added to prefunding balance		0
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	0

Part III Funding Percentages			
14	Funding target attainment percentage	14	146.69%
15	Adjusted funding target attainment percentage	15	146.69%
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	146.57%
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
09/23/2016	1000000	0			
Totals ►			18(b)	1000000	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	961305
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

Part V	Assumptions Used to Determine Funding Target and Target Normal Cost					
21	Discount rate:					
a	Segment rates:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%;">1st segment: 4.43%</td> <td style="width: 33%;">2nd segment: 5.91%</td> <td style="width: 33%;">3rd segment: 6.65%</td> </tr> </table>	1st segment: 4.43%	2nd segment: 5.91%	3rd segment: 6.65%	☐ N/A, full yield curve used
1st segment: 4.43%	2nd segment: 5.91%	3rd segment: 6.65%				
b	Applicable month (enter code)	21b	4			
22	Weighted average retirement age	22	64			
23	Mortality table(s) (see instructions) ☐ 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	180433			
b	Excess assets, if applicable, but not greater than line 31a	31b	180433			
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	0			
	Carryover balance	Prefunding balance	Total balance			
35	Balances elected for use to offset funding requirement	0	0			
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	961305			
38	Present value of excess contributions for current year (see instructions)					
a	Total (excess, if any, of line 37 over line 36)	38a	961305			
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				
42	Amount of acceleration adjustment	42				
43	Excess installment acceleration amount to be carried over to future plan years	43				

The Merchants National Bank Defined Benefit Retirement Plan
EIN/PN: 31-0373340 / 001

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
Under 25										
25 - 29										
30 - 34			3	1						
35 - 39				2						
40 - 44			1	3	1	1	1			
45 - 49			1	3	1	1				
50 - 54				2	2	1	1			
55 - 59			1		2	2	1		1	
60 - 64			1	3	4	1		1	1	2
65 - 69				1	1		2		1	
70 & up				1						

The Merchants National Bank Defined Benefit Retirement Plan

EIN/PN: 31-0373340 / 001

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

Prescribed Funding Assumptions and Methods

The following assumptions and methods are prescribed by ERISA.

Funding interest rates

For 2016 Plan Year: Segment Rates with four-month lookback, constrained in accordance with relevant legislation as follows:

	Unconstrained Rates*	Rates Reflecting Corridor**
First Segment Rate	1.34%	4.43%
Second Segment Rate	4.03%	5.91%
Third Segment Rate	5.06%	6.65%
Effective Interest Rate Based on constrained rates		5.58%

For 2015 Plan Year: Segment Rates with four-month lookback, constrained in accordance with relevant legislation as follows:

	Unconstrained Rates*	Rates Reflecting Corridor**
First Segment Rate	1.15%	4.72%
Second Segment Rate	4.06%	6.11%
Third Segment Rate	5.15%	6.81%
Effective Interest Rate Based on constrained rates		5.79%

* Used for maximum tax-deduction purposes

** Used for minimum funding and benefit restriction purposes.

Mortality

Mortality tables mandated by PPA as specified in IRS Regulation 1.430(h)(3)-1, applied on a static basis, projected 7 years from the valuation date for annuitants and 15 years for non-annuitants.

Actuarial cost method

The Funding Target is the present value of accrued benefits based on compensation and service to date. The Target Normal Cost is the present value of benefits expected to be accrued during the current plan year, reflecting the effect of expected compensation increases during the year.

The Merchants National Bank Defined Benefit Retirement Plan

EIN/PN: 31-0373340 / 001

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

Non-Prescribed Funding Assumptions and Methods

The following assumptions were selected by the plan's enrolled actuary. The asset valuation method was selected by the plan sponsor with the actuary's advice and is an acceptable method under PPA. Since the plan's experience is too small to form the basis of a reliable assumption, the assumption was based on actuarial judgment and observed experience of similarly situated employment groups. The assumption remains appropriate given historic gain and loss experience of the plan. Changes are made, as appropriate, based on this review.

Salary increases

4.0% per annum.

Expenses

None. Expenses will be paid by Employer.

Frequency of optional payment forms

100% of participants are assumed to elect the lump sum form of payment.

Marital percentage

85% of participants are assumed to be married at death. Husbands are assumed to be 3 years older than their wives.

Retirement rates

The retirement rates are summarized below:

Age	Assumption
55	2%
56	2%
57	2%
58	2%
59	2%
60	10%
61	15%
62	25%
63	15%
64	20%
65	100%

Disability rates

None assumed.

The Merchants National Bank Defined Benefit Retirement Plan

EIN/PN: 31-0373340 / 001

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

Withdrawal rates for active participants not eligible for retirement

The Society of Actuaries Small Plan Age Table. Sample rates as follows:

Age	% Terminating
20	24.3%
25	19.5%
30	15.5%
35	12.1%
40	9.4%
45	7.3%
50	5.6%
55	4.2%
60	3.0%
64	2.1%

Asset valuation method

The Actuarial Value of Assets is market value as of the valuation date, including discounted receivable contributions, reduced by 2/3 and 1/3 of the gain/(loss) in each of the prior 2 years, respectively. The gain/(loss) for each period is determined as the actual return on market value during the period less the expected return on market value based on an assumed earnings rate chosen by the actuary but required by PPA to be not greater than the applicable third segment rate. The resulting value is constrained to be within a corridor of 90% to 110% of Market Value, including discounted receivable contributions.

	Actuary's Assumption	Third Segment Rate	Reflecting PPA Limit
2016 Expected Return	7.00%	6.65%	6.65%
2015 Expected Return	7.50%	6.81%	6.81%
2014 Expected Return	7.50%	6.99%	6.99%

The Expected Return on assets is based on expected returns by asset category

Future actuarial measurements

Future actuarial measurements may differ significantly from current measurements due to plan experience differing from that anticipated by the economic and demographic assumptions, changes expected as part of the natural operation of the methodology used for these measurements, and changes in plan provisions, applicable law or regulations. An analysis of the potential range of such future differences is beyond the scope of this report.

Summary of Changes from the January 1, 2015 Valuation

- The interest rates and mortality tables were updated to those applicable to the current year in accordance with PPA and HATFA. These changes increased the Funding Target by approximately \$219,000.
- For the Asset valuation method, a change was made from 7.5% to 7.0% based on expected returns by asset category. This change does not impact the 2016 valuation.

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 2016 This Form is Open to Public Inspection
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For calendar plan year 2016 or fiscal plan year beginning 01/01/2016 and ending 12/31/2016

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A Name of plan THE MERCHANTS NATIONAL BANK DEFINED BENEFIT RETIREMENT PLAN	B Three-digit plan number (PN) ►	001
C Plan sponsor's name as shown on line 2a of Form 5500 or 5500-SF MERCHANTS NATIONAL BANK	D Employer Identification Number (EIN) 31-0373340	
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>2016</u>			
2 Assets:			
a Market value.....	2a	7,849,378	
b Actuarial value.....	2b	8,391,615	
3 Funding target/participant count breakdown	(1) Number of participants	(2) Vested Funding Target	(3) Total Funding Target
a For retired participants and beneficiaries receiving payment.....	0	0	0
b For terminated vested participants.....	9	140,117	140,117
c For active participants.....	51	5,565,784	5,580,182
d Total.....	60	5,705,901	5,720,299
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		5.58%
6 Target normal cost.....	6		180,433

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>10/02/2017</u> Date <u>1706430</u> Most recent enrollment number <u>216-682-7600</u> Telephone number (including area code)
AUDREY CERVAS Type or print name of actuary Conduent HR Consulting, LLC Firm name 6000 FREEDOM SQUARE, SUITE 100 Independence OH 44131 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) 2016
v. 160205

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	0
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	0
10 Interest on line 9 using prior year's actual return of <u>-2.12%</u>	0	0
11 Prior year's excess contributions to be added to prefunding balance:		
a Present value of excess contributions (line 38a from prior year)		472,853
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>5.79%</u>		27,378
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.....		500,231
d Portion of (c) to be added to prefunding balance.....		0
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	0

Part III Funding Percentages

14 Funding target attainment percentage	14	146.69%
15 Adjusted funding target attainment percentage.....	15	146.69%
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	146.57%
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
09/23/2016	1,000,000	0			
Totals ▶			18(b)	1,000,000	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	961,305

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: 4.43 %	2nd segment: 5.91 %	3rd segment: 6.65 %
		☐ N/A, full yield curve used		
b	Applicable month (enter code)			21b 4
22	Weighted average retirement age			22 64
23	Mortality table(s) (see instructions) ☐ 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	180,433
b	Excess assets, if applicable, but not greater than line 31a	31b	180,433
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	0
35	Balances elected for use to offset funding requirement	0	0
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	961,305
38	Present value of excess contributions for current year (see instructions)		
a	Total (excess, if any, of line 37 over line 36)	38a	961,305
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	
42	Amount of acceleration adjustment	42		
43	Excess installment acceleration amount to be carried over to future plan years	43		

The Merchants National Bank Defined Benefit Retirement Plan

EIN/PN: 31-0373340 / 001

Schedule SB, Line 22 - Description of Weighted Average Retirement Age

This table calculates the weighted average retirement age for all active persons in the plan

(1) Age	(2) Expected Active Headcount	(3) Retirement Rate	(4) Expected Retirements (2)*(3)	(5) Weighted Age (1)*(4)
55	14.2185	0.0174	0.2469	13.5805
56	13.8662	0.0174	0.2415	13.5225
57	16.5228	0.0167	0.2760	15.7335
58	17.1052	0.0189	0.3224	18.7018
59	17.7020	0.0189	0.3350	19.7675
60	19.2830	0.0952	1.8361	110.1684
61	20.3592	0.1360	2.7696	168.9484
62	19.4688	0.2132	4.1505	257.3280
63	17.1763	0.1170	2.0097	126.6102
64	18.0112	0.1679	3.0232	193.4834
65	17.8518	1.0000	17.8518	1,160.3663
66	2.0000	1.0000	2.0000	132.0000
67	0.0000	1.0000	0.0000	0.0000
68	1.0000	1.0000	1.0000	68.0000
69	1.0000	1.0000	1.0000	69.0000
70	1.0000	1.0000	<u>1.0000</u>	<u>70.0000</u>
Total			38.0628	2,437.2104
Weighted Average Retirement Age = 2437.2104 / 38.0628				64.03
Rounded Weighted Average Retirement Age				64

Note to Column 2: The Expected Active Headcount for each age includes persons who are eligible to retire and persons who are not eligible to retire at each age.

Note to Column 3: At each age, these retirement rates are a weighted average of the rates shown in Attachment to Part V for active participants eligible to retire at the age and zero for all other active participants.

General note: The table presents values rounded to fewer significant digits than used in the calculation.

The Merchants National Bank Defined Benefit Retirement Plan

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Schedule SB, Part V - Summary of Plan Provisions

Effective Date and Latest Restatement

January 1, 2012

Plan Year

Prior to April 30, 1992, the plan year was the 12-month period ending April 30th. There was a short plan year from May 1, 1992 to December 31, 1992. Effective January 1, 1993, the plan year is the 12-month period ending December 31st.

Participation Requirements

An Employee shall become a Participant on the Entry Date following completion of 1,000 hours of service during an Anniversary Year, measured from his date of hire, provided he has attained age 21.

Entry Date

Effective January 1, 1993: January 1st or July 1st. No one hired after August 29, 2008 can enter the Plan.

Normal Retirement Date

The later of a Participant's 65th birthday, or the 5th anniversary of plan participation.

Monthly Retirement Income

A monthly benefit at Normal Retirement Date, payable in the Normal Form, equal to the greater of (a) or (b) where:

- (a) is 0.90% of Monthly Plan Compensation plus 0.65% of Monthly Plan Compensation in excess of Social Security Covered Compensation, all multiplied by years of Credited Service at Normal Retirement Date, maximum 35 years;
and
- (b) is the accrued benefit at April 30, 1989 under the plan as it existed at that time, converted to and payable under a life only actuarial equivalent basis.

Normal Form of Benefit

Monthly income commencing on a Participant's retirement date and payable for life.

Automatic Form of Benefit (for married participants)

Actuarially equivalent reduced Joint and 50% to Surviving Spouse if married at commencement of benefits, unless other election is made.

Monthly Plan Compensation

Highest average of gross monthly earnings for five consecutive calendar years. Gross earnings is W-2 compensation including bonuses, overtime payments, commissions, and extra compensation paid during a calendar year.

Credited Service

One year of Benefit Accrual and Vesting Service for each plan year during which an Employee completes 1,000 hours of service.

The Merchants National Bank Defined Benefit Retirement Plan

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Schedule SB, Part V - Summary of Plan Provisions

Social Security Covered Compensation

For each Participant, the average of the Social Security Taxable Wage Base in effect for each calendar year (the amount of earnings subject to Social Security taxes each year) during the 35-year period ending with the year during which such Participant will reach Social Security Retirement Age. Social Security Covered Compensation is expressed on a monthly basis.

Accrued Benefit

The projected Monthly Retirement Income at Normal Retirement Date, based on Monthly Plan Compensation and Credited Service at the date of computation.

Vesting

A percentage of accrued benefits:

Years of Vesting Service	Vesting Percentage
Less than 5	0%
5 or more	100%

Deferred Retirement Benefit

Monthly income equal to the greater of:

- (a) the Participant's Accrued Benefit at actual retirement, or
- (b) the actuarial equivalent of the actuarial reserve of the Monthly Retirement Benefit to which he or she was entitled as of the later of his Normal Retirement Date or the close of the prior plan year plus interest compounded annually.

Eligibility for Early Retirement

Age 55 and 15 years of vesting service.

Early Retirement Benefit

Accrued benefit payable at age 65, reduced for immediate commencement by 1/180 for each of the first 60 months prior to age 65, 1/360 for each of the next 60 months that payments begin early.

Eligibility for Pre-Retirement Death Benefit

2 years of vesting service.

Pre-Retirement Death Benefit

A Participant's spouse or beneficiary shall receive accrued benefit the deceased would have received as of the date of his death, with this benefit commencing on his earliest date the deceased could have retired.

Summary of Changes from the January 1, 2015 Valuation

None.

The Merchants National Bank Defined Benefit Retirement Plan

EIN/PN: 31-0373340 / 001

Schedule SB, Line 24 - Change in Actuarial Assumptions

Summary of Changes from the January 1, 2015 Valuation

- The expected asset return assumption was updated from 7.50% for 2015 to 7.00% for 2016 based on an analysis of long term expected returns for the asset classes and reflects the plan's asset allocation as of the valuation date.