

**BEFORE  
THE PUBLIC UTILITIES COMMISSION OF OHIO**

|                                             |   |                         |
|---------------------------------------------|---|-------------------------|
| In the Matter of the Application of Vectren | ) |                         |
| Energy Delivery of Ohio, Inc. for Approval  | ) | Case No. 18-0298-GA-AIR |
| of an Increase in Gas Rates                 | ) |                         |

|                                             |   |                         |
|---------------------------------------------|---|-------------------------|
| In the Matter of the Application of Vectren | ) |                         |
| Energy Delivery of Ohio, Inc., for Approval | ) | Case No. 18-0299-GA-ALT |
| of an Alternative Rate Plan                 | ) |                         |

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**DIRECT TESTIMONY OF  
JOHN J. SPANOS  
ON BEHALF OF  
VECTREN ENERGY DELIVERY OF OHIO, INC.**

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|               |                                                  |
|---------------|--------------------------------------------------|
| <u>      </u> | Management policies, practices, and organization |
| <u>      </u> | Operating income                                 |
| <u>      </u> | Rate base                                        |
| <u>      </u> | Allocations                                      |
| <u>      </u> | Rate of return                                   |
| <u>      </u> | Rates and tariffs                                |
| <u>  X  </u>  | Other (Depreciation Study)                       |

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**Direct Testimony of  
John J. Spanos**

**I. BACKGROUND AND QUALIFICATIONS**

**Q1. Please state your name and address.**

A. My name is John J. Spanos. My business address is 207 Senate Avenue, Camp Hill, Pennsylvania.

**Q2. Are you associated with any firm?**

A. Yes. I am associated with the firm of Gannett Fleming Valuation and Rate Consultants, LLC (Gannett Fleming).

**Q3. How long have you been associated with Gannett Fleming?**

A. I have been associated with the firm since college graduation in June, 1986.

**Q4. What is your position with the firm?**

A. I am Senior Vice President.

**Q5. Please state your qualifications.**

A. I have 32 years of depreciation experience which includes giving expert testimony in over 280 cases before 40 regulatory commissions in the United States and Canada, including the Public Utilities Commission of Ohio (Commission). Please refer to Attachment A for additional information on my qualifications, which includes my leadership in the Society of Depreciation Professionals.

**Q6. What is the purpose of your testimony in this proceeding?**

A. I sponsor the depreciation study performed for Vectren Energy Delivery of Ohio, Inc. (VEDO or the Company). This study is reflected in the information presented on Schedule B-3.2, Schedule C-3.20, and various Supplement Schedules, all of which are supported by VEDO Witness J. Cas Swiz.

1     **II.     DEPRECIATION STUDY**

2     **Q7.     Please define the concept of depreciation.**

3     A.     Depreciation refers to the loss in service value not restored by current maintenance,  
4           incurred in connection with the consumption or prospective retirement of utility plant in  
5           the course of service from causes which are known to be current operations, against  
6           which the Company is not protected by insurance. Among the causes to be given  
7           consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence,  
8           changes in the art, changes in demand and the requirements of public authorities.

9     **Q8.     Did you prepare the depreciation study filed by VEDO in this proceeding?**

10    A.     Yes. I prepared the depreciation study submitted by VEDO with its filing in this  
11           proceeding. My report is entitled: “2017 Depreciation Study – Calculated Annual  
12           Depreciation Accruals Related to Gas Plant as of June 30, 2017.” This report sets forth  
13           the results of my depreciation study for VEDO, and is attached to my testimony as  
14           Attachment B.

15    **Q9.     In preparing the depreciation study, did you follow generally accepted practices in**  
16           **the field of depreciation valuation?**

17    A.     Yes.

18    **Q10.    Please describe the contents of your report.**

19    A.     My report is presented in nine parts. Part I, Introduction, presents the scope and basis for  
20           the depreciation study. Part II, Estimation of Survivor Curves, includes descriptions of  
21           the methodology of estimating survivor curves. Part III and IV set forth the analysis for  
22           determining life and net salvage estimation. Part V, Calculation of Annual and Accrued  
23           Depreciation includes the concepts of depreciation and amortization using the whole life.  
24           Part VI, Results of Study, presents a description of the results and a summary of the

1 depreciation calculations. Parts VII, VIII and IX include graphs and tables that relate to  
2 the service life and net salvage analyses, and the detailed depreciation calculations.

3 The table on pages VI-4 through VI-6 presents the estimated survivor curve, the  
4 net salvage percent, the original cost as of June 30, 2017, the calculated annual  
5 depreciation accrual and rate and the calculated accrued depreciation for each account or  
6 subaccount. The section beginning on page VII-2 presents the results of the retirement  
7 rate analyses prepared as the historical bases for the service life estimates. The section  
8 beginning on page VIII-2 presents the results of the salvage analysis. The section  
9 beginning on page IX-2 presents the depreciation calculations related to surviving  
10 original cost as of June 30, 2017.

11 **Q11. Please explain how you performed your depreciation study.**

12 A. I used the straight line whole life method of depreciation, with the average service life  
13 procedure. The annual depreciation is based on a method of depreciation accounting that  
14 seeks to distribute the cost of fixed capital assets over the useful life of each unit, or  
15 group of assets, in a systematic and reasonable manner.

16 For Accounts 391.1, 391.2, 394, 397 and 398 in General Plant, I used the straight  
17 line whole life method of amortization. The account numbers identified throughout my  
18 testimony represent those in effect as of June 30, 2017. The annual amortization is based  
19 on amortization accounting that distributes the cost of fixed capital assets over the  
20 amortization period selected for each account and vintage.

21 **Q12. How did you determine the recommended annual depreciation accrual rates?**

22 A. I did this in two phases. In the first phase, I estimated the service life and net salvage  
23 characteristics for each depreciable group, that is, each plant account or subaccount  
24 identified as having similar characteristics. In the second phase, I calculated the annual

1 depreciation accrual rates based on the service life and net salvage estimates determined  
2 in the first phase.

3 **Q13. Please describe the first phase of the depreciation study, in which you estimated the**  
4 **service life and net salvage characteristics for each depreciable group.**

5 A. The service life and net salvage study consisted of compiling historical data from records  
6 related to VEDO plant; analyzing these data to obtain historical trends of survivor  
7 characteristics; obtaining supplementary information from management and operating  
8 personnel concerning practices and plans as they relate to plant operations; and  
9 interpreting the above data and the estimates used by other gas utilities to form judgments  
10 of average service life and net salvage characteristics.

11 **Q14. What historical data did you analyze for the purpose of estimating service life**  
12 **characteristics?**

13 A. I analyzed the Company's accounting entries that record plant transactions during the  
14 period 2001 through June 2017. The transactions included additions, retirements,  
15 transfers, sales and the related balances. The Company records included surviving dollar  
16 value by year installed for each plant account as of June 30, 2017.

17 **Q15. What method did you use to analyze this service life data?**

18 A. I used the retirement rate method. This is the most appropriate method when retirement  
19 data covering a long period of time is available, because this method determines the  
20 average rates of retirement actually experienced by the Company during the period of  
21 time covered by the depreciation study.

22 **Q16. Please describe how you used the retirement rate method to analyze VEDO's service**  
23 **life data.**

24 A. I applied the retirement rate analysis to each different group of property in the study. For  
25 each property group, I used the retirement rate data to form a life table which, when

1 plotted, shows an original survivor curve for that property group. Each original survivor  
2 curve represents the average survivor pattern experienced by the several vintage groups  
3 during the experience band studied. The survivor patterns do not necessarily describe the  
4 life characteristics of the property group; therefore, interpretation of the original survivor  
5 curves is required in order to use them as valid considerations in estimating service life.  
6 The Iowa type survivor curves were used to perform these interpretations.

7 **Q17. What is an “Iowa-type Survivor Curve” and how did you use such curves to**  
8 **estimate the service life characteristics for each property group?**

9 A. Iowa type curves are a widely-used group of survivor curves that contain the range of  
10 survivor characteristics usually experienced by utilities and other industrial companies.  
11 The Iowa curves were developed at the Iowa State College Engineering Experiment  
12 Station through an extensive process of observing and classifying the ages at which  
13 various types of property used by utilities and other industrial companies had been  
14 retired.

15 Iowa type curves are used to smooth and extrapolate original survivor curves  
16 determined by the retirement rate method. The Iowa curves and truncated Iowa curves  
17 were used in this study to describe the forecasted rates of retirement based on the  
18 observed rates of retirement and the outlook for future retirements.

19 The estimated survivor curve designations for each depreciable property group  
20 indicate the average service life, the family within the Iowa system to which the property  
21 group belongs, and the relative height of the mode. For example, the Iowa 60-R2.5  
22 indicates an average service life of sixty years; a right-moded, or R, type curve (the mode  
23 occurs after average life for right-moded curves); and a moderate height, 2.5, for the  
24 mode (possible modes for R type curves range from 1 to 5).

1 **Q18. Please use an example to describe how you estimated the average service lives and**  
2 **survivor curves utilized in this study.**

3 A. I will use Account 381.00, Meters, as an example because it is one of the larger  
4 depreciable groups and represents 6 percent of depreciable plant.

5 The retirement rate method was used to analyze the survivor characteristics of this  
6 property group. Aged plant accounting data was compiled from 2001 through 2017 and  
7 analyzed in periods that best represent the overall service life of this property. The life  
8 table for the 2001-2017 experience band is presented on pages VII-31 through VII-33 of  
9 the report. The life table displays the retirement and surviving ratios of the aged plant  
10 data exposed to retirement by age interval. For example, page VII-31 shows \$171,484  
11 retired at age 3.5 with \$28,204,838 exposed to retirement. Consequently, the retirement  
12 ratio is .0061 and the surviving ratio is 0.9939. The life table, or original survivor curve,  
13 is plotted along with the estimated smooth survivor curve, the 40-R3 on page VII-30.

14 **Q19. Please describe how you estimated net salvage percentages.**

15 A. I estimated the net salvage percentages by incorporating the historical data for the period  
16 2001 through 2017 and considered estimates for other gas companies.

17 **Q20. Please describe the second phase of the process that you used in the depreciation**  
18 **study in which you calculated annual depreciation accrual rates.**

19 A. After I estimated the service life and net salvage characteristics for each depreciable  
20 property group, I calculated the annual depreciation accrual rates for each group, using  
21 the straight line whole life method, and the average service life procedure.

22 **Q21. Please describe the straight line whole life method of depreciation.**

23 A. The straight line whole life method of depreciation allocates the original cost of the  
24 property, less future net salvage, in equal amounts to each year of service life.

1 **Q22. Please describe amortization accounting.**

2 A. In amortization accounting, units of property are capitalized in the same manner as they  
3 are in depreciation accounting. Amortization accounting is used for accounts with a large  
4 number of units, but small asset values; therefore, depreciation accounting is difficult for  
5 these assets because periodic inventories are required to properly reflect plant in service.  
6 Consequently, retirements are recorded when a vintage is fully amortized rather than as  
7 the units are removed from service. That is, there is no dispersion of retirement. All units  
8 are retired when the age of the vintage reaches the amortization period. Each plant  
9 account or group of assets is assigned a fixed period which represents an anticipated life  
10 which the asset will render full benefit. For example, in amortization accounting, assets  
11 that have a 20-year amortization period will be fully recovered after 20 years of service  
12 and taken off the Company books, but not necessarily removed from service. In contrast,  
13 assets that are taken out of service before 20 years remain on the books until the  
14 amortization period for that vintage has expired.

15 **Q23. Amortization accounting is being implemented to which plant accounts?**

16 A. Amortization accounting is only appropriate for certain General Plant accounts. These  
17 accounts are 391.1, 391.2, 394, 397 and 398, which represent approximately one percent  
18 of depreciable plant.

19 **Q24. Please use an example to illustrate how the annual depreciation accrual rate for a**  
20 **particular group of property is presented in your depreciation study.**

21 A. I will use Account 376.00, Mains, as an example because it is one of the largest  
22 depreciable groups and represents 37 percent of depreciable plant.

23 As described on page 5 of this testimony, the retirement rate method was used to  
24 analyze the survivor characteristics of this property group. The life table for the 2001-

2017 experience band is plotted along with the estimated smooth survivor curve, the 70-R4 on page VII-18.

The net salvage percent is presented on page VIII-5. The percentage is based on the result of annual gross salvage minus the cost to remove plant assets as compared to the original cost of plant retired during the period 2001 through 2017. The 17-year period experienced \$6,986,972 (\$0 - \$6,986,972) in net salvage for \$8,795,649 plant retired. The result is negative net salvage of 79 percent ( $\$6,986,972 / \$8,795,649$ ). The result was negative 79 percent and recent levels have also shown indications of negative 79 percent. Therefore, based on industry ranges, historical indications and Company expectations, I determined that a negative 80 percent was the most appropriate estimate for this account.

My calculation of the annual depreciation related to the original cost as of June 30, 2017, of gas plant is presented on pages IX-15 through IX-17. The calculation is based on the 70-R4 survivor curve, 80 percent negative net salvage and the attained age. The tabulation sets forth the installation year, the original cost, calculated accrued depreciation, average life, life expectancy and annual accrual amount and rate. These totals are brought forward to the table on page VI-4.

### **III. CONCLUSION**

**Q25. Was the depreciation study filed by VEDO in this proceeding prepared by you or under your direction and control?**

A. Yes.

**Q26. Should the depreciation rates contained in the study filed by VEDO in this proceeding be approved by the Commission for VEDO's calculation of its future depreciation expense?**

A. Yes.

1    **Q27. Does this conclude your pre-filed direct testimony?**

2    A.     Yes.

## Attachment A

**JOHN SPANOS**

**DEPRECIATION EXPERIENCE**

**Q. Please state your name.**

A. My name is John J. Spanos.

**Q. What is your educational background?**

A. I have Bachelor of Science degrees in Industrial Management and Mathematics from Carnegie-Mellon University and a Master of Business Administration from York College.

**Q. Do you belong to any professional societies?**

A. Yes. I am a member and past President of the Society of Depreciation Professionals and a member of the American Gas Association/Edison Electric Institute Industry Accounting Committee.

**Q. Do you hold any special certification as a depreciation expert?**

A. Yes. The Society of Depreciation Professionals has established national standards for depreciation professionals. The Society administers an examination to become certified in this field. I passed the certification exam in September 1997 and was recertified in August 2003, February 2008 and January 2013.

**Q. Please outline your experience in the field of depreciation.**

A. In June, 1986, I was employed by Gannett Fleming Valuation and Rate Consultants, Inc. as a Depreciation Analyst. During the period from June, 1986 through December, 1995, I helped prepare numerous depreciation and original cost studies for utility companies in various industries. I helped perform depreciation studies for the following telephone companies: United Telephone of Pennsylvania, United Telephone of New Jersey, and Anchorage Telephone Utility. I helped perform depreciation studies for the following

companies in the railroad industry: Union Pacific Railroad, Burlington Northern Railroad, and Wisconsin Central Transportation Corporation.

I helped perform depreciation studies for the following organizations in the electric utility industry: Chugach Electric Association, The Cincinnati Gas and Electric Company (CG&E), The Union Light, Heat and Power Company (ULH&P), Northwest Territories Power Corporation, and the City of Calgary - Electric System.

I helped perform depreciation studies for the following pipeline companies: TransCanada Pipelines Limited, Trans Mountain Pipe Line Company Ltd., Interprovincial Pipe Line Inc., Nova Gas Transmission Limited and Lakehead Pipeline Company.

I helped perform depreciation studies for the following gas utility companies: Columbia Gas of Pennsylvania, Columbia Gas of Maryland, The Peoples Natural Gas Company, T. W. Phillips Gas & Oil Company, CG&E, ULH&P, Lawrenceburg Gas Company and Penn Fuel Gas, Inc.

I helped perform depreciation studies for the following water utility companies: Indiana-American Water Company, Consumers Pennsylvania Water Company and The York Water Company; and depreciation and original cost studies for Philadelphia Suburban Water Company and Pennsylvania-American Water Company.

In each of the above studies, I assembled and analyzed historical and simulated data, performed field reviews, developed preliminary estimates of service life and net salvage, calculated annual depreciation, and prepared reports for submission to state public utility commissions or federal regulatory agencies. I performed these studies under the general direction of William M. Stout, P.E.

In January, 1996, I was assigned to the position of Supervisor of Depreciation Studies. In July, 1999, I was promoted to the position of Manager, Depreciation and Valuation Studies. In December, 2000, I was promoted to the position as Vice-President of Gannett Fleming Valuation and Rate Consultants, Inc. and in April 2012, I was promoted to my present position as Senior Vice President of the Valuation and Rate Division of Gannett Fleming Inc. (now doing business as Gannett Fleming Valuation and Rate Consultants, LLC). In my current position I am responsible for conducting all depreciation, valuation and original cost studies, including the preparation of final exhibits and responses to data requests for submission to the appropriate regulatory bodies.

Since January 1996, I have conducted depreciation studies similar to those previously listed including assignments for Pennsylvania-American Water Company; Aqua Pennsylvania; Kentucky-American Water Company; Virginia-American Water Company; Indiana-American Water Company; Iowa-American Water Company; New Jersey-American Water Company; Hampton Water Works Company; Omaha Public Power District; Enbridge Pipe Line Company; Inc.; Columbia Gas of Virginia, Inc.; Virginia Natural Gas Company National Fuel Gas Distribution Corporation - New York and Pennsylvania Divisions; The City of Bethlehem - Bureau of Water; The City of Coatesville Authority; The City of Lancaster - Bureau of Water; Peoples Energy Corporation; The York Water Company; Public Service Company of Colorado; Enbridge Pipelines; Enbridge Gas Distribution, Inc.; Reliant Energy-HLP; Massachusetts-American Water Company; St. Louis County Water Company; Missouri-American Water Company; Chugach Electric Association; Alliant Energy; Oklahoma Gas & Electric Company; Nevada Power Company; Dominion Virginia Power; NUI-Virginia Gas

Companies; Pacific Gas & Electric Company; PSI Energy; NUI - Elizabethtown Gas Company; Cinergy Corporation – CG&E; Cinergy Corporation – ULH&P; Columbia Gas of Kentucky; South Carolina Electric & Gas Company; Idaho Power Company; El Paso Electric Company; Aqua North Carolina; Aqua Ohio; Aqua Texas, Inc.; Ameren Missouri; Central Hudson Gas & Electric; Centennial Pipeline Company; CenterPoint Energy-Arkansas; CenterPoint Energy – Oklahoma; CenterPoint Energy – Entex; CenterPoint Energy - Louisiana; NSTAR – Boston Edison Company; Westar Energy, Inc.; United Water Pennsylvania; PPL Electric Utilities; PPL Gas Utilities; Wisconsin Power & Light Company; TransAlaska Pipeline; Avista Corporation; Northwest Natural Gas; Allegheny Energy Supply, Inc.; Public Service Company of North Carolina; South Jersey Gas Company; Duquesne Light Company; MidAmerican Energy Company; Laclede Gas; Duke Energy Company; E.ON U.S. Services Inc.; Elkton Gas Services; Anchorage Water and Wastewater Utility; Kansas City Power and Light; Duke Energy North Carolina; Duke Energy South Carolina; Monongahela Power Company; Potomac Edison Company; Duke Energy Ohio Gas; Duke Energy Kentucky; Duke Energy Indiana; Duke Energy Progress; Northern Indiana Public Service Company; Tennessee-American Water Company; Columbia Gas of Maryland; Bonneville Power Administration; NSTAR Electric and Gas Company; EPCOR Distribution, Inc.; B. C. Gas Utility, Ltd; Entergy Arkansas; Entergy Texas; Entergy Mississippi; Entergy Louisiana; Entergy Gulf States Louisiana; the Borough of Hanover; Louisville Gas and Electric Company; Kentucky Utilities Company; Madison Gas and Electric; Central Maine Power; PEPCO; PacifiCorp; Minnesota Energy Resource Group; Jersey Central Power & Light Company; Cheyenne Light, Fuel and Power Company; United Water Arkansas; Central Vermont Public Service Corporation; Green Mountain Power; Portland

General Electric Company; Atlantic City Electric; Nicor Gas Company; Black Hills Power; Black Hills Colorado Gas; Black Hills Kansas Gas; Black Hills Service Company; Black Hills Utility Holdings; Public Service Company of Oklahoma; City of Dubois; Peoples Gas Light and Coke Company; North Shore Gas Company; Connecticut Light and Power; New York State Electric and Gas Corporation; Rochester Gas and Electric Corporation; Greater Missouri Operations; Tennessee Valley Authority; Omaha Public Power District; Indianapolis Power & Light Company; Vermont Gas Systems, Inc.; Metropolitan Edison; Pennsylvania Electric; West Penn Power; Pennsylvania Power; PHI Service Company - Delmarva Power and Light; Atmos Energy Corporation; Citizens Energy Group; PSE&G Company; Berkshire Gas Company; Alabama Gas Corporation; Mid-Atlantic Interstate Transmission, LLC; SUEZ Water; WEC Energy Group; Rocky Mountain Natural Gas, LLC; Illinois-American Water Company and Northern Illinois Gas Company.

My additional duties include determining final life and salvage estimates, conducting field reviews, presenting recommended depreciation rates to management for its consideration and supporting such rates before regulatory bodies.

**Q. Have you submitted testimony to any state utility commission on the subject of utility plant depreciation?**

A. Yes. I have submitted testimony to the Pennsylvania Public Utility Commission; the Commonwealth of Kentucky Public Service Commission; the Public Utilities Commission of Ohio; the Nevada Public Utility Commission; the Public Utilities Board of New Jersey; the Missouri Public Service Commission; the Massachusetts Department of Telecommunications and Energy; the Alberta Energy & Utility Board; the Idaho Public Utility Commission; the Louisiana Public Service Commission; the State

Corporation Commission of Kansas; the Oklahoma Corporate Commission; the Public Service Commission of South Carolina; Railroad Commission of Texas – Gas Services Division; the New York Public Service Commission; Illinois Commerce Commission; the Indiana Utility Regulatory Commission; the California Public Utilities Commission; the Federal Energy Regulatory Commission (“FERC”); the Arkansas Public Service Commission; the Public Utility Commission of Texas; Maryland Public Service Commission; Washington Utilities and Transportation Commission; The Tennessee Regulatory Commission; the Regulatory Commission of Alaska; Minnesota Public Utility Commission; Utah Public Service Commission; District of Columbia Public Service Commission; the Mississippi Public Service Commission; Delaware Public Service Commission; Virginia State Corporation Commission; Colorado Public Utility Commission; Oregon Public Utility Commission; South Dakota Public Utilities Commission; Wisconsin Public Service Commission; Wyoming Public Service Commission; Maine Public Utility Commission; Iowa Utility Board; Connecticut Public Utilities Regulatory Authority; New Mexico Public Regulation Commission; Commonwealth of Massachusetts Department of Public Utilities; Rhode Island Public Utilities Commission and the North Carolina Utilities Commission.

**Q. Have you had any additional education relating to utility plant depreciation?**

A. Yes. I have completed the following courses conducted by Depreciation Programs, Inc.: “Techniques of Life Analysis,” “Techniques of Salvage and Depreciation Analysis,” “Forecasting Life and Salvage,” “Modeling and Life Analysis Using Simulation,” and “Managing a Depreciation Study.” I have also completed the “Introduction to Public Utility Accounting” program conducted by the American Gas Association.

**Q. Does this conclude your qualification statement?**

A. Yes.

# LIST OF CASES IN WHICH JOHN J. SPANOS SUBMITTED TESTIMONY

|     | <u>Year</u> | <u>Jurisdiction</u> | <u>Docket No.</u> | <u>Client Utility</u>                               | <u>Subject</u>                 |
|-----|-------------|---------------------|-------------------|-----------------------------------------------------|--------------------------------|
| 01. | 1998        | PA PUC              | R-00984375        | City of Bethlehem – Bureau of Water                 | Original Cost and Depreciation |
| 02. | 1998        | PA PUC              | R-00984567        | City of Lancaster                                   | Original Cost and Depreciation |
| 03. | 1999        | PA PUC              | R-00994605        | The York Water Company                              | Depreciation                   |
| 04. | 2000        | D.T.&E.             | DTE 00-105        | Massachusetts-American Water Company                | Depreciation                   |
| 05. | 2001        | PA PUC              | R-00016114        | City of Lancaster                                   | Original Cost and Depreciation |
| 06. | 2001        | PA PUC              | R-00017236        | The York Water Company                              | Depreciation                   |
| 07. | 2001        | PA PUC              | R-00016339        | Pennsylvania-American Water Company                 | Depreciation                   |
| 08. | 2001        | OH PUC              | 01-1228-GA-AIR    | Cinergy Corp – Cincinnati Gas & Elect Co.           | Depreciation                   |
| 09. | 2001        | KY PSC              | 2001-092          | Cinergy Corp – Union Light, Heat & Power Co.        | Depreciation                   |
| 10. | 2002        | PA PUC              | R-00016750        | Philadelphia Suburban Water Company                 | Depreciation                   |
| 11. | 2002        | KY PSC              | 2002-00145        | Columbia Gas of Kentucky                            | Depreciation                   |
| 12. | 2002        | NJ BPU              | GF02040245        | NUI Corporation/Elizabethtown Gas Co.               | Depreciation                   |
| 13. | 2002        | ID PUC              | IPC-E-03-7        | Idaho Power Company                                 | Depreciation                   |
| 14. | 2003        | PA PUC              | R-0027975         | The York Water Company                              | Depreciation                   |
| 15. | 2003        | IN URC              | R-0027975         | Cinergy Corp – PSI Energy, Inc.                     | Depreciation                   |
| 16. | 2003        | PA PUC              | R-00038304        | Pennsylvania-American Water Co.                     | Depreciation                   |
| 17. | 2003        | MO PSC              | WR-2003-0500      | Missouri-American Water Co.                         | Depreciation                   |
| 18. | 2003        | FERC                | ER-03-1274-000    | NSTAR-Boston Edison Company                         | Depreciation                   |
| 19. | 2003        | NJ BPU              | BPU 03080683      | South Jersey Gas Company                            | Depreciation                   |
| 20. | 2003        | NV PUC              | 03-10001          | Nevada Power Company                                | Depreciation                   |
| 21. | 2003        | LA PSC              | U-27676           | CenterPoint Energy – Arkla                          | Depreciation                   |
| 22. | 2003        | PA PUC              | R-00038805        | Pennsylvania Suburban Water Company                 | Depreciation                   |
| 23. | 2004        | AB En/Util Bd       | 1306821           | EPCOR Distribution, Inc.                            | Depreciation                   |
| 24. | 2004        | PA PUC              | R-00038168        | National Fuel Gas Distribution Corp (PA)            | Depreciation                   |
| 25. | 2004        | PA PUC              | R-00049255        | PPL Electric Utilities                              | Depreciation                   |
| 26. | 2004        | PA PUC              | R-00049165        | The York Water Company                              | Depreciation                   |
| 27. | 2004        | OK Corp Cm          | PUC 200400187     | CenterPoint Energy – Arkla                          | Depreciation                   |
| 28. | 2004        | OH PUC              | 04-680-El-AIR     | Cinergy Corp. – Cincinnati Gas and Electric Company | Depreciation                   |
| 29. | 2004        | RR Com of TX        | GUD#              | CenterPoint Energy – Entex Gas Services Div.        | Depreciation                   |
| 30. | 2004        | NY PUC              | 04-G-1047         | National Fuel Gas Distribution Gas (NY)             | Depreciation                   |
| 31. | 2004        | AR PSC              | 04-121-U          | CenterPoint Energy – Arkla                          | Depreciation                   |

| <u>Year</u> | <u>Jurisdiction</u> | <u>Docket No.</u>       | <u>Client Utility</u>                        | <u>Subject</u> |
|-------------|---------------------|-------------------------|----------------------------------------------|----------------|
| 32.         | 2005                | IL CC                   | North Shore Gas Company                      | Depreciation   |
| 33.         | 2005                | IL CC                   | Peoples Gas Light and Coke Company           | Depreciation   |
| 34.         | 2005                | KY PSC                  | Union Light Heat & Power                     | Depreciation   |
| 35.         | 2005                | IL CC                   | MidAmerican Energy Company                   | Depreciation   |
| 36.         | 2005                | MO PSC                  | Laclede Gas Company                          | Depreciation   |
| 37.         | 2005                | KS CC                   | Westar Energy                                | Depreciation   |
| 38.         | 2005                | RR Com of TX            | CenterPoint Energy – Entex Gas Services Div. | Depreciation   |
| 39.         | 2005                | FERC                    | Cinergy Corporation                          | Accounting     |
| 40.         | 2005                | OK CC                   | Oklahoma Gas and Electric Co.                | Depreciation   |
| 41.         | 2005                | MA Dept Tele-com & Ergy | NSTAR                                        | Depreciation   |
| 42.         | 2005                | NY PUC                  | Central Hudson Gas & Electric Co.            | Depreciation   |
| 43.         | 2005                | AK Reg Com              | Chugach Electric Association                 | Depreciation   |
| 44.         | 2005                | CA PUC                  | Pacific Gas & Electric                       | Depreciation   |
| 45.         | 2006                | PA PUC                  | Aqua Pennsylvania, Inc.                      | Depreciation   |
| 46.         | 2006                | PA PUC                  | T.W. Phillips Gas and Oil Co.                | Depreciation   |
| 47.         | 2006                | NC Util Cm.             | Pub. Service Co. of North Carolina           | Depreciation   |
| 48.         | 2006                | PA PUC                  | City of Lancaster                            | Depreciation   |
| 49.         | 2006                | PA PUC                  | Duquesne Light Company                       | Depreciation   |
| 50.         | 2006                | PA PUC                  | The York Water Company                       | Depreciation   |
| 51.         | 2006                | PA PUC                  | PPL GAS Utilities                            | Depreciation   |
| 52.         | 2006                | PUC of TX               | CenterPoint Energy – Houston Electric        | Depreciation   |
| 53.         | 2006                | KY PSC                  | Duke Energy Kentucky                         | Depreciation   |
| 54.         | 2006                | SC PSC                  | SCANA                                        | Depreciation   |
| 55.         | 2006                | AK Reg Com              | Municipal Light and Power                    | Depreciation   |
| 56.         | 2006                | DE PSC                  | Delmarva Power and Light                     | Depreciation   |
| 57.         | 2006                | IN URC                  | Indiana American Water Company               | Depreciation   |
| 58.         | 2006                | AK Reg Com              | Chugach Electric Association                 | Depreciation   |
| 59.         | 2006                | MO PSC                  | Missouri American Water Company              | Depreciation   |
| 60.         | 2006                | FERC                    | TransAlaska Pipeline                         | Depreciation   |
| 61.         | 2006                | PA PUC                  | National Fuel Gas Distribution Corp. (PA)    | Depreciation   |
| 62.         | 2007                | NC Util Com.            | Duke Energy Carolinas, LLC                   | Depreciation   |

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| 63.         | 2007                | OH PSC            | Duke Energy Ohio Gas                       | Depreciation   |
| 64.         | 2007                | PA PUC            | PPL Electric Utilities Corporation         | Depreciation   |
| 65.         | 2007                | KY PSC            | Kentucky American Water Company            | Depreciation   |
| 66.         | 2007                | PA PUC            | Pennsylvania American Water Company        | Depreciation   |
| 67.         | 2007                | KY PSC            | NISource – Columbia Gas of Kentucky        | Depreciation   |
| 68.         | 2007                | NY PSC            | National Fuel Gas Distribution Corp (NY)   | Depreciation   |
| 69.         | 2008                | AK PSC            | Anchorage Water & Wastewater Utility       | Depreciation   |
| 70.         | 2008                | TN Reg Auth       | Tennessee-American Water Company           | Depreciation   |
| 71.         | 2008                | DE PSC            | Artesian Water Company                     | Depreciation   |
| 72.         | 2008                | PA PUC            | The York Water Company                     | Depreciation   |
| 73.         | 2008                | KS CC             | Westar Energy                              | Depreciation   |
| 74.         | 2008                | IN URC            | Northern Indiana Public Service Co.        | Depreciation   |
| 75.         | 2008                | IN URC            | Duke Energy Indiana                        | Depreciation   |
| 76.         | 2008                | MD PSC            | NISource – Columbia Gas of Maryland        | Depreciation   |
| 77.         | 2008                | KY PSC            | Kentucky Utilities                         | Depreciation   |
| 78.         | 2008                | KY PSC            | Louisville Gas & Electric                  | Depreciation   |
| 79.         | 2008                | PA PUC            | Pennsylvania American Water Co.-Wastewater | Depreciation   |
| 80.         | 2008                | NY PSC            | Central Hudson                             | Depreciation   |
| 81.         | 2008                | WV TC             | Avista Corporation                         | Depreciation   |
| 82.         | 2008                | IL CC             | Peoples Gas, Light and Coke Co.            | Depreciation   |
| 83.         | 2009                | IL CC             | North Shore Gas Company                    | Depreciation   |
| 84.         | 2009                | DC PSC            | Potomac Electric Power Company             | Depreciation   |
| 85.         | 2009                | KY PSC            | NISource – Columbia Gas of Kentucky        | Depreciation   |
| 86.         | 2009                | FERC              | Entergy Services                           | Depreciation   |
| 87.         | 2009                | PA PUC            | Pennsylvania American Water Co.            | Depreciation   |
| 88.         | 2009                | NC Util Cm        | Duke Energy Carolinas, LLC                 | Depreciation   |
| 89.         | 2009                | KY PSC            | Duke Energy Kentucky                       | Depreciation   |
| 90.         | 2009                | VA St. CC         | Aqua Virginia, Inc.                        | Depreciation   |
| 91.         | 2009                | PA PUC            | Aqua Pennsylvania, Inc.                    | Depreciation   |
| 92.         | 2009                | MS PSC            | Entergy Mississippi                        | Depreciation   |
| 93.         | 2009                | AK PSC            | Entergy Arkansas                           | Depreciation   |
| 94.         | 2009                | TX PUC            | Entergy Texas                              | Depreciation   |
| 95.         | 2009                | TX PUC            | El Paso Electric Company                   | Depreciation   |

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| 96.         | 2009                | PA PUC            | The Borough of Hanover                     | Depreciation   |
| 97.         | 2009                | KS CC             | Kansas City Power & Light                  | Depreciation   |
| 98.         | 2009                | PA PUC            | United Water Pennsylvania                  | Depreciation   |
| 99.         | 2009                | OH PUC            | Aqua Ohio Water Company                    | Depreciation   |
| 100.        | 2009                | WI PSC            | Madison Gas & Electric Co.                 | Depreciation   |
| 101.        | 2009                | MO PSC            | Missouri American Water Co.                | Depreciation   |
| 102.        | 2009                | AK Reg Cm         | Chugach Electric Association               | Depreciation   |
| 103.        | 2010                | IN URC            | Northern Indiana Public Service Co.        | Depreciation   |
| 104.        | 2010                | WI PSC            | Wisconsin Public Service Corp.             | Depreciation   |
| 105.        | 2010                | PA PUC            | PPL Electric Utilities Corp.               | Depreciation   |
| 106.        | 2010                | KY PSC            | Kentucky American Water Company            | Depreciation   |
| 107.        | 2010                | PA PUC            | Columbia Gas of Pennsylvania               | Depreciation   |
| 108.        | 2010                | MO PSC            | Laclede Gas Company                        | Depreciation   |
| 109.        | 2010                | SC PSC            | South Carolina Electric & Gas Co.          | Depreciation   |
| 110.        | 2010                | NJ BD OF PU       | Atlantic City Electric                     | Depreciation   |
| 111.        | 2010                | VA St. CC         | Virginia American Water Company            | Depreciation   |
| 112.        | 2010                | PA PUC            | The York Water Company                     | Depreciation   |
| 113.        | 2010                | MO PSC            | Greater Missouri Operations Co.            | Depreciation   |
| 114.        | 2010                | MO PSC            | Kansas City Power and Light                | Depreciation   |
| 115.        | 2010                | PA PUC            | T.W. Phillips Gas and Oil Co.              | Depreciation   |
| 116.        | 2010                | PSC SC            | SCANA – Electric                           | Depreciation   |
| 117.        | 2010                | PA PUC            | Peoples Natural Gas, LLC                   | Depreciation   |
| 118.        | 2010                | AK PSC            | Oklahoma Gas and Electric Co.              | Depreciation   |
| 119.        | 2010                | IN URC            | Northern Indiana Public Serv. Co. - NIFL   | Depreciation   |
| 120.        | 2010                | IN URC            | Northern Indiana Public Serv. Co. - Kokomo | Depreciation   |
| 121.        | 2010                | PA PUC            | Pennsylvania American Water Co - WW        | Depreciation   |
| 122.        | 2010                | NC Util Cn.       | Aqua North Carolina, Inc.                  | Depreciation   |
| 123.        | 2011                | OH PUC            | Ohio American Water Company                | Depreciation   |
| 124.        | 2011                | MS PSC            | Entergy Mississippi                        | Depreciation   |
| 125.        | 2011                | CO PUC            | Black Hills Colorado                       | Depreciation   |
| 126.        | 2011                | PA PUC            | Columbia Gas of Pennsylvania               | Depreciation   |
| 127.        | 2011                | PA PUC            | Lancaster, City of – Bureau of Water       | Depreciation   |
| 128.        | 2011                | IN URC            | Duke Energy Indiana                        | Depreciation   |
| 129.        | 2011                | FERC              | Enbridge Pipelines (Southern Lights)       | Depreciation   |

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| 130.        | 2011                | 11-0217                         | MidAmerican Energy Corporation          | Depreciation   |
| 131.        | 2011                | 201100087                       | Oklahoma Gas & Electric Co.             | Depreciation   |
| 132.        | 2011                | 2011-2232243                    | Pennsylvania American Water Company     | Depreciation   |
| 133.        | 2011                | 2011-2232243                    | Carolina Gas Transmission               | Depreciation   |
| 134.        | 2012                | UE-120436/UG-120437             | Avista Corporation                      | Depreciation   |
| 135.        | 2012                | U-12-009                        | Chugach Electric Association            | Depreciation   |
| 136.        | 2012                | DPU 12-25                       | Columbia Gas of Massachusetts           | Depreciation   |
| 137.        | 2012                | 40094                           | El Paso Electric Company                | Depreciation   |
| 138.        | 2012                | IPC-E-12                        | Idaho Power Company                     | Depreciation   |
| 139.        | 2012                | R-2012-2290597                  | PPL Electric Utilities                  | Depreciation   |
| 140.        | 2012                | R-2012-2311725                  | Hanover, Borough of – Bureau of Water   | Depreciation   |
| 141.        | 2012                | 2012-00222                      | Louisville Gas and Electric Company     | Depreciation   |
| 142.        | 2012                | 2012-00221                      | Kentucky Utilities Company              | Depreciation   |
| 143.        | 2012                | R-2012-2285985                  | Peoples Natural Gas Company             | Depreciation   |
| 144.        | 2012                | Case 1087                       | Potomac Electric Power Company          | Depreciation   |
| 145.        | 2012                | 12-1682-EL-AIR                  | Duke Energy Ohio (Electric)             | Depreciation   |
| 146.        | 2012                | 12-1685-GA-AIR                  | Duke Energy Ohio (Gas)                  | Depreciation   |
| 147.        | 2012                | R-2012-2310366                  | Lancaster, City of – Sewer Fund         | Depreciation   |
| 148.        | 2012                | R-2012-2321748                  | Columbia Gas of Pennsylvania            | Depreciation   |
| 149.        | 2012                | ER-12-2681-000                  | ITC Holdings                            | Depreciation   |
| 150.        | 2012                | ER-2012-0174                    | Kansas City Power and Light             | Depreciation   |
| 151.        | 2012                | ER-2012-0175                    | KCPL Greater Missouri Operations Co.    | Depreciation   |
| 152.        | 2012                | GO-2012-0363                    | Laclede Gas Company                     | Depreciation   |
| 153.        | 2012                | G007,001/D-12-533               | Integrus – MN Energy Resource Group     | Depreciation   |
| 153.        | 2012                |                                 | Aqua Texas                              | Depreciation   |
| 155.        | 2012                | 2012-2336379                    | York Water Company                      | Depreciation   |
| 156.        | 2013                | ER12121071                      | PHI Service Co.– Atlantic City Electric | Depreciation   |
| 157.        | 2013                | 2013-00167                      | Columbia Gas of Kentucky                | Depreciation   |
| 158.        | 2013                | 2013-00020                      | Virginia Electric and Power Co.         | Depreciation   |
| 159.        | 2013                | 2013-0004                       | MidAmerican Energy Corporation          | Depreciation   |
| 160.        | 2013                | 2013-2355276                    | Pennsylvania American Water Co.         | Depreciation   |
| 161.        | 2013                | 13-E-0030, 13-G-0031, 13-S-0032 | Consolidated Edison of New York         | Depreciation   |
| 162.        | 2013                | 2013-2355886                    | Peoples TWP LLC                         | Depreciation   |

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| 163.        | 2013                | 12-0504           | Tennessee American Water                    | Depreciation   |
| 164.        | 2013                | 2013-168          | Central Maine Power Company                 | Depreciation   |
| 165.        | 2013                | Case 1103         | PHI Service Co. – PEPCO                     | Depreciation   |
| 166.        | 2013                | 2003-ER-13        | Cheyenne Light, Fuel and Power Co.          | Depreciation   |
| 167.        | 2013                | ER13- -0000       | Kentucky Utilities                          | Depreciation   |
| 168.        | 2013                | ER13- -0000       | MidAmerican Energy Company                  | Depreciation   |
| 169.        | 2013                | ER13- -0000       | PPL Utilities                               | Depreciation   |
| 170.        | 2013                | R-2013-2372129    | Duquesne Light Company                      | Depreciation   |
| 171.        | 2013                | ER12111052        | Jersey Central Power and Light Co.          | Depreciation   |
| 172.        | 2013                | R-2013-2390244    | Bethlehem, City of – Bureau of Water        | Depreciation   |
| 173.        | 2013                | UM 1679           | Oklahoma, Public Service Company of         | Depreciation   |
| 174.        | 2013                | 13-0500           | Nicor Gas Company                           | Depreciation   |
| 175.        | 2013                | 20000-427-EA-13   | PacifiCorp                                  | Depreciation   |
| 176.        | 2013                | 13-035-02         | PacifiCorp                                  | Depreciation   |
| 177.        | 2013                | UM 1647           | PacifiCorp                                  | Depreciation   |
| 178.        | 2013                | 2013-2350509      | Dubois, City of                             | Depreciation   |
| 179.        | 2014                | 14-0224           | North Shore Gas Company                     | Depreciation   |
| 180.        | 2014                | ER14-             | Duquesne Light Company                      | Depreciation   |
| 181.        | 2014                | EL14-026          | Black Hills Power Company                   | Depreciation   |
| 182.        | 2014                | 20002-91-ER-14    | Black Hills Power Company                   | Depreciation   |
| 183.        | 2014                | 2014-2428304      | Hanover, Borough of – Municipal Water Works | Depreciation   |
| 184.        | 2014                | 2014-2406274      | Columbia Gas of Pennsylvania                | Depreciation   |
| 185.        | 2014                | 14-0225           | Peoples Gas Light and Coke Company          | Depreciation   |
| 186.        | 2014                | ER-2014-0258      | Ameren Missouri                             | Depreciation   |
| 187.        | 2014                | 14-BHCG-502-RTS   | Black Hills Service Company                 | Depreciation   |
| 188.        | 2014                | 14-BHCG-502-RTS   | Black Hills Utility Holdings                | Depreciation   |
| 189.        | 2014                | 14-BHCG-502-RTS   | Black Hills Kansas Gas                      | Depreciation   |
| 190.        | 2014                | 2014-2418872      | Lancaster, City of – Bureau of Water        | Depreciation   |
| 191.        | 2014                | 14-0701-E-D       | First Energy – MonPower/PotomacEdison       | Depreciation   |
| 192.        | 2014                | PUC-2014-00045    | Aqua Virginia                               | Depreciation   |
| 193.        | 2014                | PUE-2013          | Virginia American                           | Depreciation   |
| 194.        | 2014                | PUD201400229      | Oklahoma Gas and Electric                   | Depreciation   |
| 195.        | 2014                | UM1679            | Portland General Electric                   | Depreciation   |
| 196.        | 2014                | Cause No. 44576   | Indianapolis Power & Light                  | Depreciation   |

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| 197.        | 2014                | MA DPU            | NSTAR Gas                                                     | Depreciation   |
| 198.        | 2014                | CT PURA           | Connecticut Light and Power                                   | Depreciation   |
| 199.        | 2014                | MO PSC            | Kansas City Power & Light                                     | Depreciation   |
| 200.        | 2014                | KY PSC            | Kentucky Utilities Company                                    | Depreciation   |
| 201.        | 2014                | KY PSC            | Louisville Gas and Electric Company                           | Depreciation   |
| 202.        | 2015                | PA PUC            | United Water Pennsylvania Inc.                                | Depreciation   |
| 203.        | 2015                | PA PUC            | Columbia Gas of Pennsylvania                                  | Depreciation   |
| 204.        | 2015                | NY PSC            | New York State Electric and Gas Corporation                   | Depreciation   |
| 205.        | 2015                | NY PSC            | Rochester Gas and Electric Corporation                        | Depreciation   |
| 206.        | 2015                | MO PSC            | Missouri American Water Company                               | Depreciation   |
| 207.        | 2015                | OK CC             | Oklahoma, Public Service Company of                           | Depreciation   |
| 208.        | 2015                | WV PSC            | West Virginia American Water Company                          | Depreciation   |
| 209.        | 2015                | PA PUC            | PPL Electric Utilities                                        | Depreciation   |
| 210.        | 2015                | IN URC            | Northern Indiana Public Service Company                       | Depreciation   |
| 211.        | 2015                | OH PSC            | First Energy-Ohio Edison/Cleveland Electric/<br>Toledo Edison | Depreciation   |
| 212.        | 2015                | NM PRC            | El Paso Electric                                              | Depreciation   |
| 213.        | 2015                | TX PUC            | El Paso Electric                                              | Depreciation   |
| 214.        | 2015                | WI PSC            | Madison Gas and Electric Company                              | Depreciation   |
| 215.        | 2015                | OK CC             | Oklahoma Gas and Electric                                     | Depreciation   |
| 216.        | 2015                | KY PSC            | Kentucky American Water Company                               | Depreciation   |
| 217.        | 2015                | NC UC             | Public Service Company of North Carolina                      | Depreciation   |
| 218.        | 2016                | WA UTC            | Puget Sound Energy                                            | Depreciation   |
| 219.        | 2016                | NY PSC            | Suez Water New York, Inc.                                     | Depreciation   |
| 220.        | 2016                | MO PSC            | KCP&L – Greater Missouri                                      | Depreciation   |
| 221.        | 2016                | WI PSC            | Wisconsin Public Service Commission                           | Depreciation   |
| 222.        | 2016                | KY PSC            | Kentucky Utilities Company                                    | Depreciation   |
| 223.        | 2016                | KY PSC            | Louisville Gas and Electric Company                           | Depreciation   |
| 224.        | 2016                | OH PUC            | Aqua Ohio                                                     | Depreciation   |
| 225.        | 2016                | MD PSC            | Columbia Gas of Maryland                                      | Depreciation   |
| 226.        | 2016                | KY PSC            | Columbia Gas of Kentucky                                      | Depreciation   |
| 227.        | 2016                | DE PSC            | Delmarva Power and Light Co. – Electric                       | Depreciation   |
| 228.        | 2016                | DE PSC            | Delmarva Power and Light Co. – Gas                            | Depreciation   |
| 229.        | 2016                | NY PSC            | National Fuel Gas Distribution Corp – NY Div                  | Depreciation   |

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| 230.        | PA PUC              | R-2016-2537349              | Metropolitan Edison Company                                       | Depreciation   |
| 231.        | PA PUC              | R-2016-2537352              | Pennsylvania Electric Company                                     | Depreciation   |
| 232.        | PA PUC              | R-2016-2537355              | Pennsylvania Power Company                                        | Depreciation   |
| 233.        | PA PUC              | R-2016-2537359              | West Penn Power Company                                           | Depreciation   |
| 234.        | PA PUC              | R-2016-2529660              | Columbia Gas of PA                                                | Depreciation   |
| 235.        | KY PSC              | Case No. 2016-00063         | Kentucky Utilities / Louisville Gas & Electric Co                 | Depreciation   |
| 236.        | MO PSC              | ER-2016-0285                | KCP&L Missouri                                                    | Depreciation   |
| 237.        | AR PSC              | 16-052-U                    | Oklahoma Gas & Electric Co                                        | Depreciation   |
| 238.        | PSCW                | 6680-DU-104                 | Wisconsin Power and Light                                         | Depreciation   |
| 239.        | ID PUC              | IPC-E-16-23                 | Idaho Power Company                                               | Depreciation   |
| 240.        | OR PUC              | UM1801                      | Idaho Power Company                                               | Depreciation   |
| 241.        | ILL CC              | 16-                         | MidAmerican Energy Company                                        | Depreciation   |
| 242.        | KY PSC              | Case No. 2016-00370         | Kentucky Utilities Company                                        | Depreciation   |
| 243.        | KY PSC              | Case No. 2016-00371         | Louisville Gas and Electric Company                               | Depreciation   |
| 244.        | IN URC              |                             | Indianapolis Power & Light                                        | Depreciation   |
| 245.        | AL RC               | U-16-081                    | Chugach Electric Association                                      | Depreciation   |
| 246.        | MA DPU              | D.P.U. 17-05                | NSTAR Electric Company and Western Massachusetts Electric Company | Depreciation   |
| 247.        | TX PUC              | PUC-26831, SOAH 973-17-2686 | El Paso Electric Company                                          | Depreciation   |
| 248.        | WA UT&C             | UE-17033 and UG-170034      | Puget Sound Energy                                                | Depreciation   |
| 249.        | OH PUC              | Case No. 17-0032-EL-AIR     | Duke Energy Ohio                                                  | Depreciation   |
| 250.        | VA SCC              | Case No. PUE-2016-00413     | Virginia Natural Gas, Inc.                                        | Depreciation   |
| 251.        | OK CC               | Case No. PUD201700151       | Oklahoma, Public Service Company of                               | Depreciation   |
| 252.        | MD PSC              | Case No. 9447               | Columbia Gas of Maryland                                          | Depreciation   |
| 253.        | NC UC               | Docket No. E-2, Sub 1142    | Duke Energy Progress                                              | Depreciation   |
| 254.        | VA SCC              | Case No. PUR-2017-00090     | Dominion Virginia Electric and Power Company                      | Depreciation   |
| 255.        | FERC                | ER17-1162                   | MidAmerican Energy Company                                        | Depreciation   |
| 256.        | PA PUC              | R-2017-2595853              | Pennsylvania American Water Company                               | Depreciation   |
| 257.        | OR PUC              | UM1809                      | Portland General Electric                                         | Depreciation   |
| 258.        | FERC                | ER17-217                    | Jersey Central Power & Light                                      | Depreciation   |
| 259.        | FERC                | ER17-211                    | Mid-Atlantic Interstate Transmission, LLC                         | Depreciation   |
| 260.        | MN PUC              | Docket No. G007/D-17-442    | Minnesota Energy Resources Corporation                            | Depreciation   |
| 261.        | IL CC               | Docket No. 17-0124          | Northern Illinois Gas Company                                     | Depreciation   |
| 262.        | OR PUC              | UM1808                      | Northwest Natural Gas Company                                     | Depreciation   |

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| 263.        | 2017                | NY PSC            | SUEZ Water Owego-Nichols                | Depreciation   |
| 264.        | 2017                | MO PSC            | Laclede Gas Company                     | Depreciation   |
| 265.        | 2017                | MO PSC            | Missouri Gas Energy                     | Depreciation   |
| 266.        | 2017                | ILL CC            | Illinois-American Water Company         | Depreciation   |
| 267.        | 2017                | FERC              | PPL Electric Utilities Corporation      | Depreciation   |
| 268.        | 2017                | IN URC            | Northern Indiana Public Service Company | Depreciation   |
| 269.        | 2017                | NJ BPU            | New Jersey American Water Company, Inc. | Depreciation   |
| 270.        | 2017                | RI PUC            | SUEZ Water Rhode Island                 | Depreciation   |
| 271.        | 2017                | OK CC             | Oklahoma Gas and Electric Company       | Depreciation   |
| 272.        | 2017                | NJ BPU            | Public Service Electric and Gas Company | Depreciation   |
| 273.        | 2017                | NC Util Com.      | Duke Energy Carolinas, LLC              | Depreciation   |
| 274.        | 2017                | KY PSC            | Duke Energy Kentucky, Inc.              | Depreciation   |
| 275.        | 2018                | IN IURC           | Indiana-American Water Company, Inc.    | Depreciation   |
| 276.        | 2018                | IN IURC           | Indianapolis Power and Light            | Depreciation   |
| 277.        | 2018                | NC Util Com.      | Aqua North Carolina, Inc.               | Depreciation   |
| 278.        | 2018                | PA PUC            | Columbia Gas of Pennsylvania, Inc.      | Depreciation   |
| 279.        | 2018                | OR PUC            | Avista Corporation                      | Depreciation   |
| 280.        | 2018                | IN URC            | Citizens Energy Group                   | Depreciation   |
| 281.        | 2018                | FERC              | Duke Energy Progress                    | Depreciation   |
| 282.        | 2018                | PA PUC            | Duquesne Light Company                  | Depreciation   |



## **2017 DEPRECIATION STUDY**

CALCULATED ANNUAL DEPRECIATION ACCRUALS  
RELATED TO GAS PLANT  
AS OF JUNE 30, 2017

*Prepared by:*



*Excellence Delivered **As Promised***

VECTREN ENERGY DELIVERY OF OHIO

Dayton, Ohio

2017 DEPRECIATION STUDY  
CALCULATED ANNUAL DEPRECIATION ACCRUALS  
RELATED TO GAS PLANT  
AS OF JUNE 30, 2017

GANNETT FLEMING VALUATION AND RATE CONSULTANTS, LLC  
Camp Hill, Pennsylvania



*Excellence Delivered **As Promised***

March 29, 2018

Vectren Energy Delivery of Ohio  
One Vectren Square  
Evansville, IN 477082

Attention Mr. Jason Stephenson  
Vice President and General Counsel

Ladies and Gentlemen:

Pursuant to your request, we have conducted a depreciation study related to the gas plant of Vectren Energy Delivery of Ohio as of June 30, 2017. The study results include annual depreciation rates and amounts for regulatory reporting purposes. The attached report presents a description of the methods used in the estimation of depreciation, summaries of annual and accrued depreciation, the statistical support for the life and net salvage estimates and the detailed tabulations of depreciation by year installed for each account.

Respectfully submitted,

GANNETT FLEMING VALUATION  
AND RATE CONSULTANTS, LLC

A handwritten signature in blue ink that reads "John J. Spanos".

JOHN J. SPANOS  
Senior Vice President

JJS:mle

063319.000

Gannett Fleming Valuation and Rate Consultants, LLC

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## VECTREN ENERGY DELIVERY OF OHIO

### DEPRECIATION STUDY

#### EXECUTIVE SUMMARY

Pursuant to Vectren Energy Delivery of Ohio (“VEDO” or “Company”) request, Gannett Fleming Valuation and Rate Consultants, LLC (“Gannett Fleming”) conducted a depreciation study related to the gas plant as of June 30, 2017. The purpose of this study was to determine the annual depreciation accrual rates and amounts for book and ratemaking purposes.

The depreciation rates are based on the straight-line method using the average service life (“ASL”) procedure and were applied on a whole life basis. The calculations were based on attained ages and estimated average service life, and forecasted net salvage characteristics for each depreciable group of assets.

VEDO’s accounting policy has not changed since the last depreciation study was prepared. However, there have been changes in depreciation rates caused by the proposed service life and net salvage estimates in this depreciation study as compared to those proposed in the previous depreciation study as of December 31, 2002.

Gannett Fleming recommends the calculated annual depreciation accrual rates set forth herein apply specifically to gas plant in service as of June 30, 2017 as summarized in Table 1 of the study. Supporting analysis and calculations are provided within the study.

The study results set forth an annual depreciation expense of \$32.7 million when applied to depreciable plant balances as of June 30, 2017. The results are summarized at the functional level as follows:

**SUMMARY OF ORIGINAL COST, ACCRUAL RATES AND AMOUNTS**

| <b>FUNCTION</b>                | <b>ORIGINAL COST<br/>AS OF<br/>JUNE 30, 2017</b> | <b>PROPOSED<br/>RATE</b> | <b>PROPOSED<br/>EXPENSE</b> |
|--------------------------------|--------------------------------------------------|--------------------------|-----------------------------|
| <b>Depreciable Plant</b>       |                                                  |                          |                             |
| Manufactured Production Plant  | \$ 864,175.27                                    | 2.13                     | \$ 18,435                   |
| Transmission Plant             | 82,432,910.77                                    | 2.48                     | 2,040,854                   |
| Distribution Plant             | 914,705,491.14                                   | 3.17                     | 28,967,120                  |
| General Plant                  | <u>36,033,978.03</u>                             | 4.53                     | <u>1,633,285</u>            |
| <b>Total Depreciable Plant</b> | <b><u>\$1,034,036,555.21</u></b>                 | <b>3.16</b>              | <b><u>\$32,659,694</u></b>  |

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## PART I. INTRODUCTION

## **VECTREN ENERGY DELIVERY OF OHIO DEPRECIATION STUDY**

### **PART I. INTRODUCTION**

#### **SCOPE**

This report presents the results of the depreciation study prepared for Vectren Energy Delivery of Ohio (the Company) as applied to gas plant in service as of June 30, 2017. The study results include annual depreciation rates and amounts for regulatory reporting. The regulatory rates and amounts are based on the straight line whole life method of depreciation. The report also describes the concepts, methods and basic judgments which underlie recommended annual depreciation accrual rates and amounts related to current gas plant in service.

The service life and net salvage estimates resulting from the study were based on informed judgment which incorporated analyses of historical plant retirement data as recorded through June 2017; a review of Company practice and outlook as they relate to plant operation and retirement; and consideration of current practice in the gas industry, including knowledge of service life and net salvage estimates used for other gas properties.

#### **PLAN OF REPORT**

Part I, Introduction, contains statements with respect to the plan of the report, and the basis of the study. Part II, Estimation of Survivor Curves, presents descriptions of the considerations and the methods used in the service life and net salvage studies. Part III, Service Life Considerations, presents the factors and judgment utilized in the average service life analysis. Part IV, Net Salvage Considerations, presents the judgment utilized for the net salvage study. Part V, Calculation of Annual and Accrued Depreciation,

describes the procedures used in the calculation of group depreciation. Part VI, Results of Study, presents a summary by depreciable group of annual depreciation accrual rates and amounts. Part VII, Service Life Statistics presents the statistical analysis of service life estimates; Part VIII, Net Salvage Statistics sets forth the statistical indications of net salvage percents; and Part IX, Detailed Depreciation Calculations presents the detailed tabulations of annual depreciation.

## **BASIS OF THE STUDY**

### **Depreciation**

Depreciation, as applied to depreciable public utility plant, means the loss in service value not restored by current maintenance, incurred in connection with the consumption or prospective retirement of utility plant in the course of providing service from causes which are known to be current operation and against which the utility is not protected by insurance. Among the causes to be given consideration are wear and tear, decay, action of the elements, inadequacy, obsolescence, changes in the art, changes in demand, and the requirements of public authorities.

Depreciation, as used in accounting, is a method of distributing fixed capital costs, less net salvage, over a period of time by allocating annual amounts to expense. Each annual amount of such depreciation expense is part of that year's total cost of providing utility service. Normally, the period of time over which the fixed capital cost is allocated to the cost of service is equal to the period of time over which an item renders service, that is, the item's service life. The most prevalent method of allocation is to distribute an equal amount of cost to each year of service life. This method is known as the straight-line method of depreciation.

For all accounts, the annual depreciation was calculated by the straight line whole life method using the average service life procedure. The calculated annual and accrued depreciation were based on attained ages of plant in service and the estimated service

life and net salvage characteristics of each depreciable group. Amortization accounting or vintage pooling is used for most general plant accounts

### **Service Life and Net Salvage Estimates**

The service life and net salvage estimates used in the depreciation and amortization calculations were based on informed judgment which incorporated a review of management's plans, policies and outlook, a general knowledge of the gas utility industry, and comparisons of the service life and net salvage estimates from our studies of other gas utilities. The use of survivor curves to reflect the expected dispersion of retirement provides a consistent method of estimating depreciation for utility plant. Iowa type survivor curves were used to depict the estimated survivor curves for the plant accounts not subject to amortization accounting.

The procedure for estimating service lives consisted of compiling historical data for the plant accounts or depreciable groups, analyzing this history through the use of widely accepted techniques, and forecasting the survivor characteristics for each depreciable group on the basis of interpretations of the historical data analyses and the probable future. The combination of the historical experience and estimates of future experience yielded estimated survivor curves from which the average service lives were derived.

The Company's service life estimates used in the depreciation calculation incorporated historical data compiled through June 2017 from the property records of the Company. Such data included plant additions, retirements, transfers and other activity. Generally, retirement data for the years 2001 through June 2017 were used in the actuarial life table computations which were the primary statistical support of the service life estimates.

A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirement was obtained through discussions with operating and management personnel conducted during the course of the service life study. Information regarding plans for the future were incorporated in the interpretation and extrapolation of the statistical analyses.

The estimates of net salvage were based in part on historical data compiled for the years 2001 through June 2017. Gross salvage and cost of removal as recorded to the depreciation reserve account and related to experienced retirements were used. Percentages of the cost of plant retired were calculated for each component of net salvage, on both annual and five-year moving average bases. The estimates of net salvage are expressed as percentages of the cost of plant retired.

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## PART II. ESTIMATION OF SURVIVOR CURVES

## PART II. ESTIMATION OF SURVIVOR CURVES

The calculation of annual depreciation based on the straight line method requires the estimation of survivor curves and the selection of group depreciation procedures. The estimation of survivor curves is discussed below and the development of net salvage is discussed in later sections of this report.

### SURVIVOR CURVES

The use of an average service life for a property group implies that the various units in the group have different lives. Thus, the average life may be obtained by determining the separate lives of each of the units, or by constructing a survivor curve by plotting the number of units which survive at successive ages.

The survivor curve graphically depicts the amount of property existing at each age throughout the life of an original group. From the survivor curve, the average life of the group, the remaining life expectancy, the probable life, and the frequency curve can be calculated. In Figure 1, a typical smooth survivor curve and the derived curves are illustrated. The average life is obtained by calculating the area under the survivor curve, from age zero to the maximum age, and dividing this area by the ordinate at age zero. The remaining life expectancy at any age can be calculated by obtaining the area under the curve, from the observation age to the maximum age, and dividing this area by the percent surviving at the observation age. For example, in Figure 1, the remaining life at age 30 is equal to the crosshatched area under the survivor curve divided by 29.5 percent surviving at age 30. The probable life at any age is developed by adding the age and remaining life. If the probable life of the property is calculated for each year of age, the probable life curve shown in the chart can be developed. The frequency curve presents the number of units retired in each age interval. It is derived by obtaining the differences between the amount of property surviving at the beginning and at the end of each interval.

This study has incorporated the use of Iowa curves developed from a retirement rate analysis of historical retirement history. A discussion of the concepts of survivor curves and of the development of survivor curves using the retirement rate method is presented below.

### **Iowa Type Curves**

The range of survivor characteristics usually experienced by utility and industrial properties is encompassed by a system of generalized survivor curves known as the Iowa type curves. There are four families in the Iowa system, labeled in accordance with the location of the modes of the retirements (or the portion of the frequency curve with the highest level of retirements) in relationship to the average life and the relative height of the modes. The left moded curves, presented in Figure 2, are those in which the greatest frequency of retirement occurs to the left of, or prior to, average service life. The symmetrical moded curves, presented in Figure 3, are those in which the greatest frequency of retirement occurs at average service life. The right moded curves, presented in Figure 4, are those in which the greatest frequency occurs to the right of, or after, average service life. The origin moded curves, presented in Figure 5, are those in which the greatest frequency of retirement occurs at the origin, or immediately after age zero. The letter designation of each family of curves (L, S, R or O) represents the location of the mode of the associated frequency curve with respect to the average service life. The numbers represent the relative heights of the modes of the frequency curves within each family. A higher number designates a higher mode curve.

The Iowa curves were developed at the Iowa State College Engineering Experiment Station through an extensive process of observation and classification of the ages at which industrial property had been retired. A report of the study which resulted in the classification of property survivor characteristics into 18 type curve

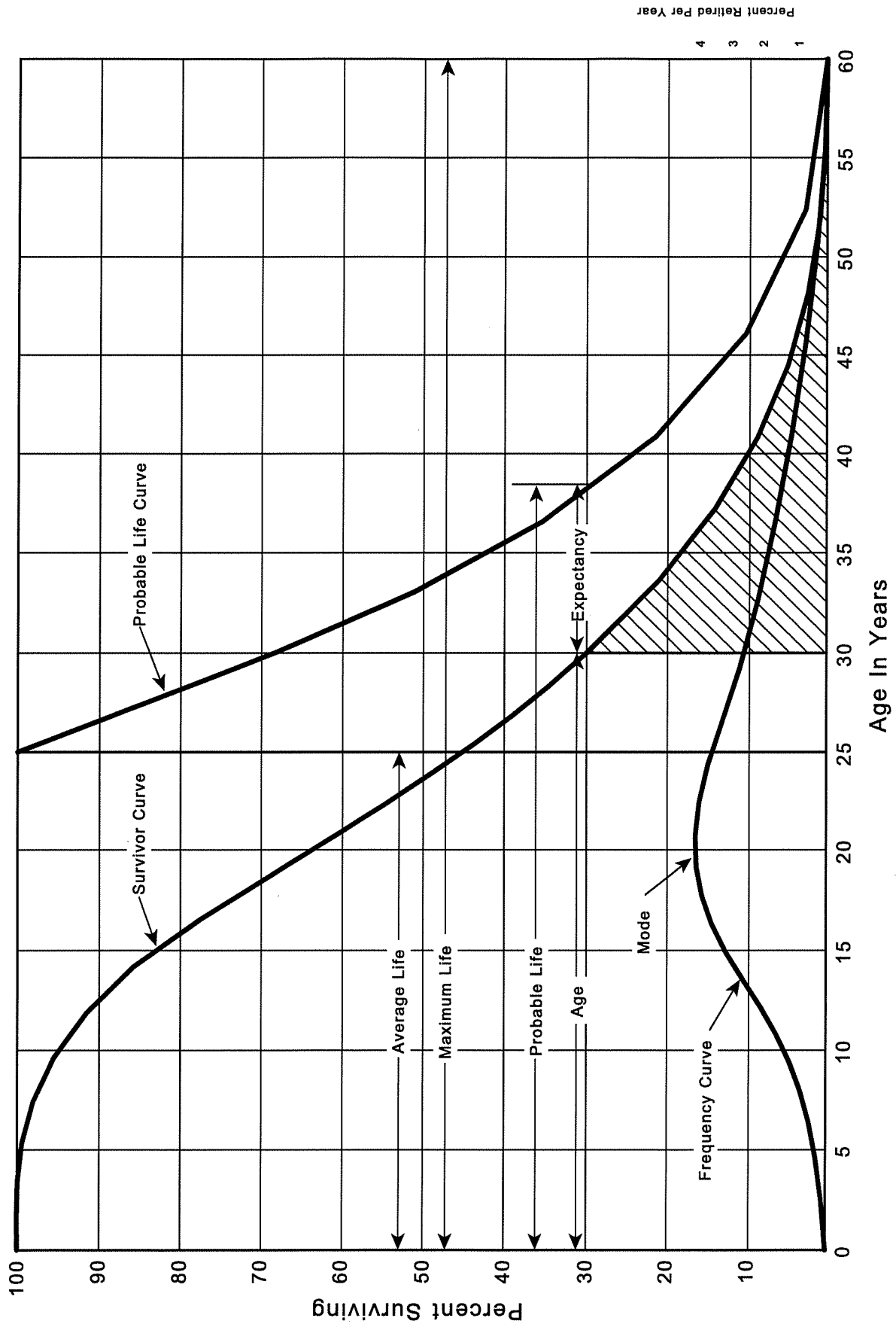


Figure 1. A Typical Survivor Curve and Derived Curves

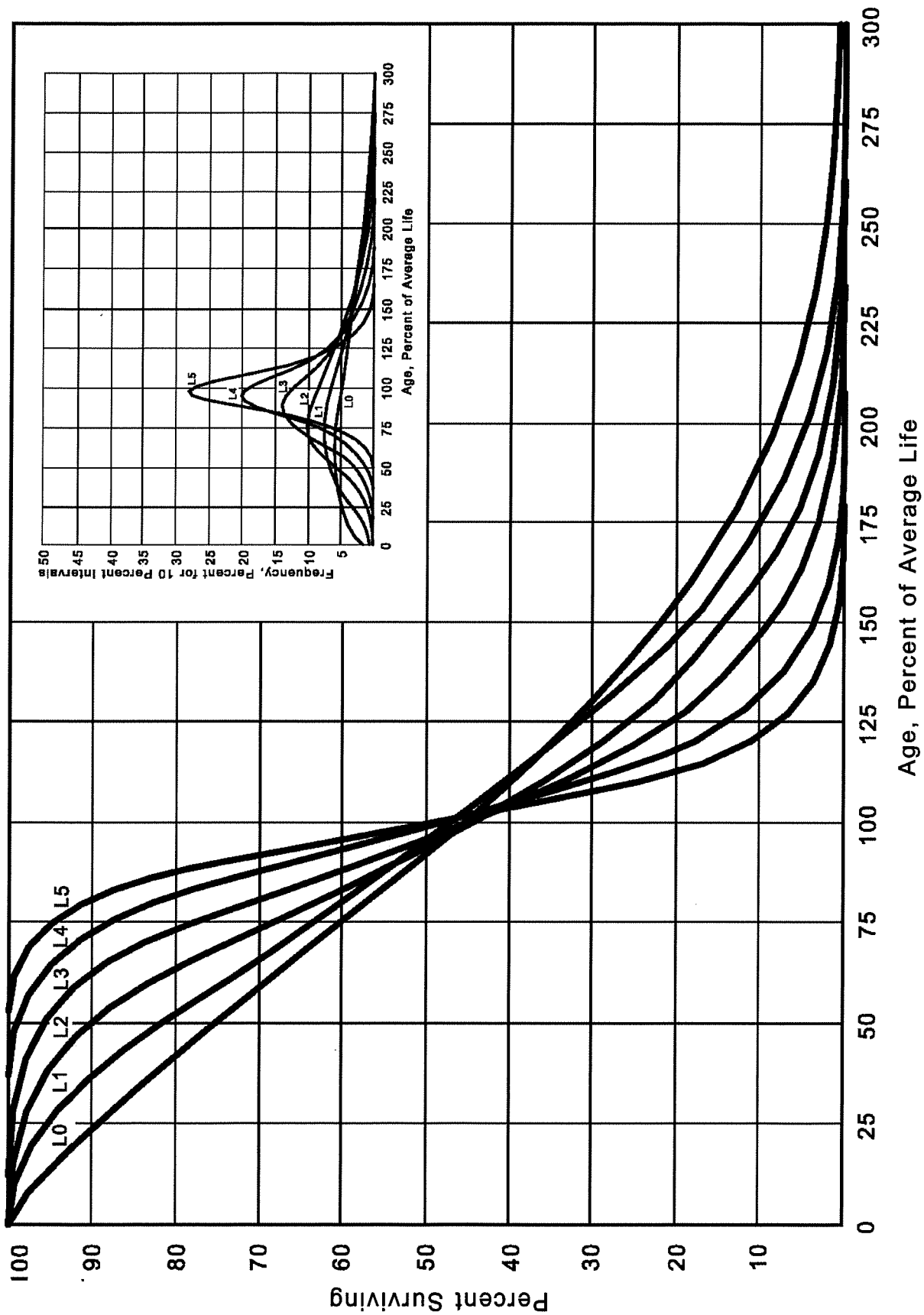


Figure 2. Left Modal or "L" Iowa Type Survivor Curves

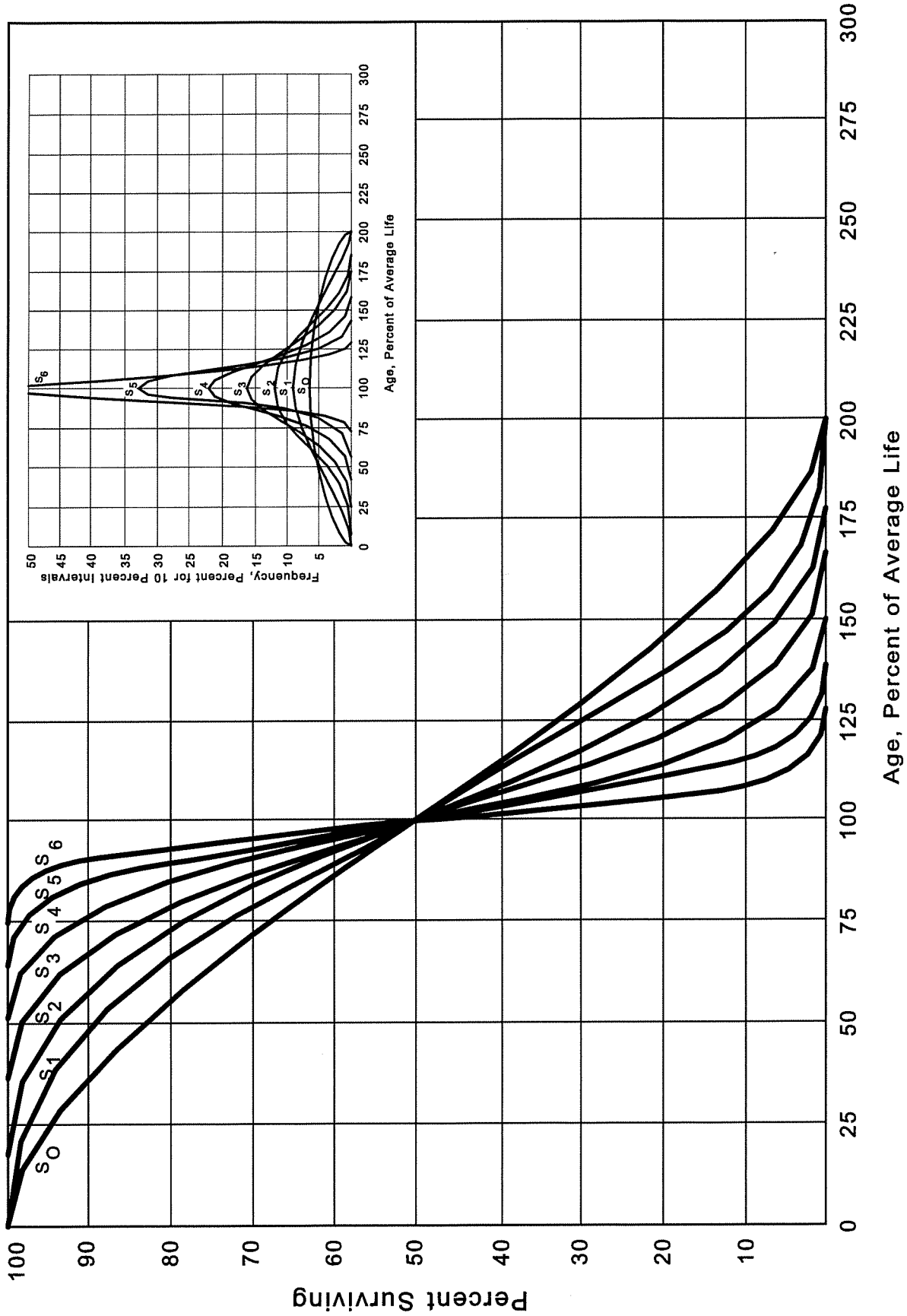


Figure 3. Symmetrical or "S" Iowa Type Survivor Curves

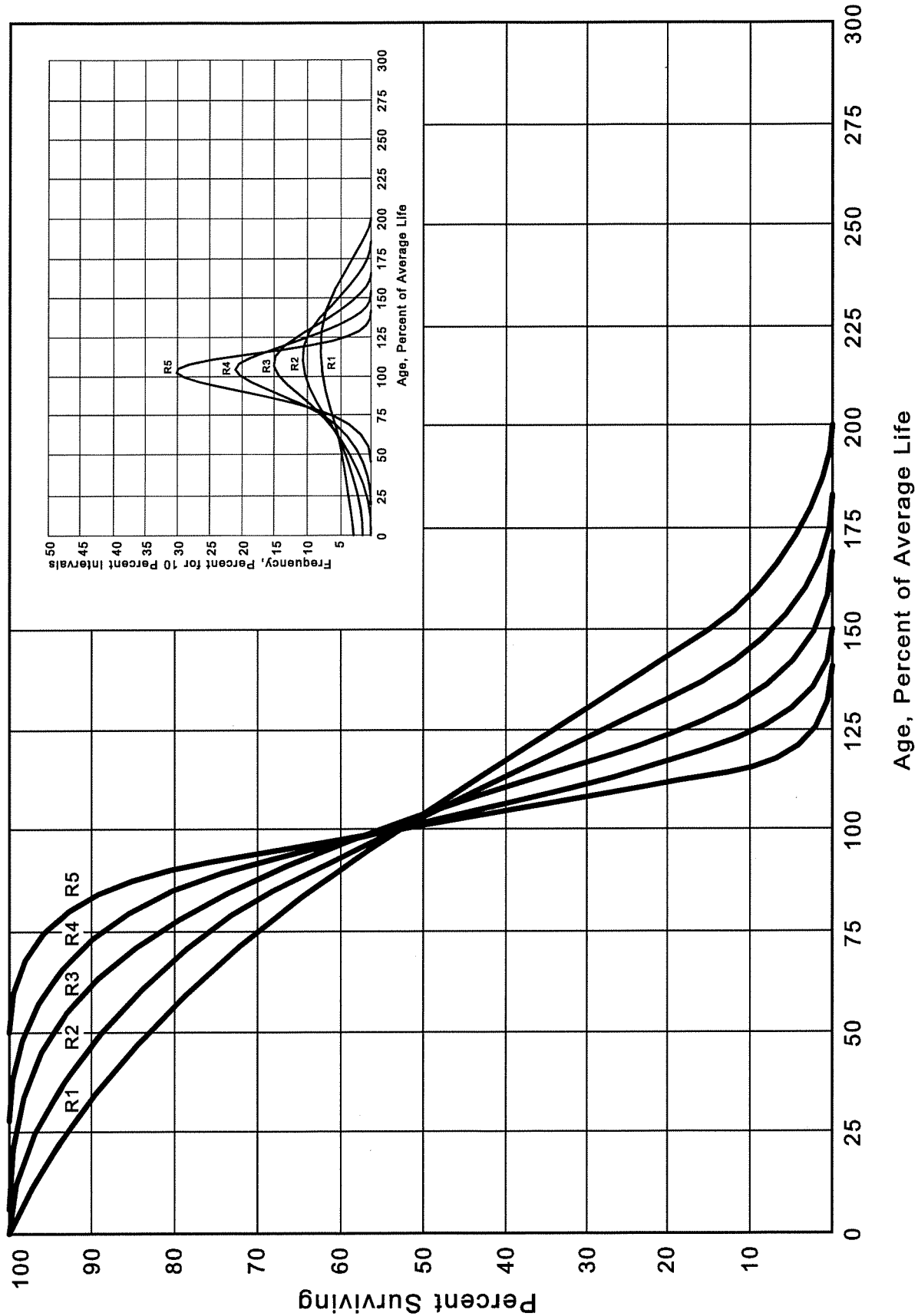


Figure 4. Right Modal or "R" Iowa Type Survivor Curves

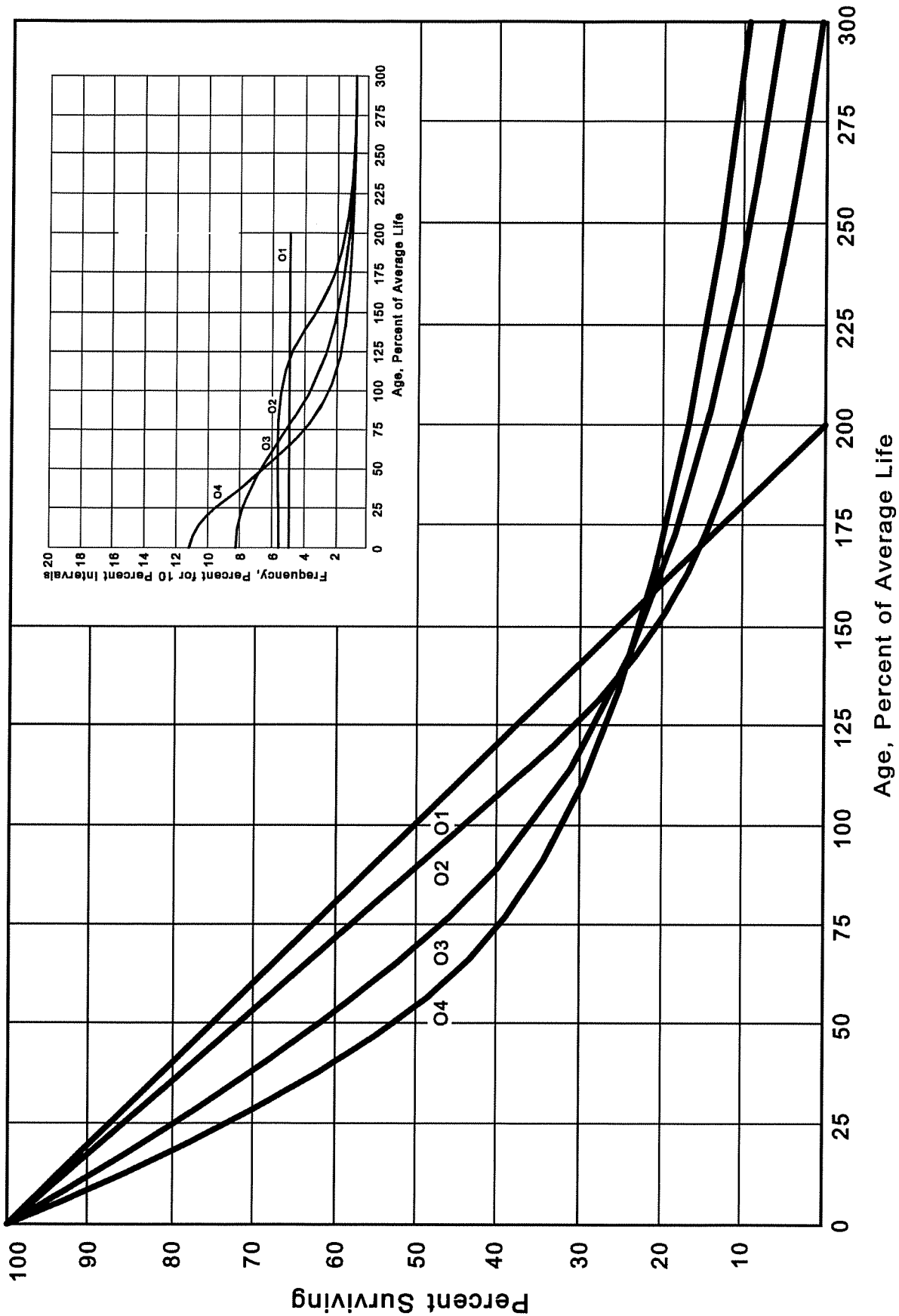


Figure 5. Origin Modal or "O" Iowa Type Survivor Curves

which constitute three of the four families, was published in 1935 in the form of the Experiment Station's Bulletin 125. These curve types have also been presented in subsequent Experiment Station bulletins and in the text, "Engineering Valuation and Depreciation."<sup>1</sup> In 1957, Frank V. B. Couch, Jr., an Iowa State College graduate student submitted a thesis presenting his development of the fourth family consisting of the four O type survivor curves.

### **Retirement Rate Method of Analysis**

The retirement rate method is an actuarial method of deriving survivor curves using the average rates at which property of each age group is retired. The method relates to property groups for which aged accounting experience is available and is the method used to develop the original stub survivor curves in this study. The method (also known as the annual rate method) is illustrated through the use of an example in the following text, and is also explained in several publications, including "Statistical Analyses of Industrial Property Retirements,"<sup>2</sup> "Engineering Valuation and Depreciation,"<sup>3</sup> and "Depreciation Systems."<sup>4</sup>

The average rate of retirement used in the calculation of the percent surviving for the survivor curve (life table) requires two sets of data: first, the property retired during a period of observation, identified by the property's age at retirement; and second, the property exposed to retirement at the beginning of the age intervals during the same period. The period of observation is referred to as the experience band, and the band of years which represent the installation dates of the property exposed to retirement during the experience band is referred to as the placement band. An example of the calculations used in the development of a life table follows. The example includes schedules of annual

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<sup>1</sup>Marston, Anson, Robley Winfrey and Jean C. Hempstead. Engineering Valuation and Depreciation, 2nd Edition. New York, McGraw-Hill Book Company. 1953.

<sup>2</sup>Winfrey, Robley, Statistical Analyses of Industrial Property Retirements. Iowa State College, Engineering Experiment Station, Bulletin 125. 1935.

<sup>3</sup>Marston, Anson, Robley Winfrey, and Jean C. Hempstead, Supra Note 1.

<sup>4</sup>Wolf, Frank K. and W. Chester Fitch. Depreciation Systems. Iowa State University Press. 1994.

aged property transactions, a schedule of plant exposed to retirement, a life table and illustrations of smoothing the stub survivor curve.

### **Schedules of Annual Transactions in Plant Records**

A hypothetical property group is used to illustrate the retirement rate method. This property group is observed for the experience band 2007-2016 during which there were placements (or installations) during the years 2002-2016. In order to illustrate the summation of the aged data by age interval, the data were compiled in the manner presented in Schedules 1 and 2 on pages II-11 and II-12. In Schedule 1, year placed and the year of retirement are shown. The age interval during which a retirement occurred is determined from this information. In the example which follows, \$10,000 of the dollars invested in 2002 were retired in 2007. The \$10,000 retirement occurred during the age interval between 4½ and 5½ years on the basis that approximately one-half of the amount of property was installed prior to and subsequent to July 1 of each year. That is, on the average, property installed during a year is placed in service at the midpoint of the year for the purpose of the analysis. All retirements also are stated as occurring at the midpoint of a one-year age interval of time, except the first age interval which encompasses only one-half year.

The total retirements occurring in each age interval in a band are determined by summing the amounts for each transaction year-installation year combination for that age interval. For example, the total of \$143,000 retired for age interval 4½-5½ is the sum of the retirements entered on Schedule 1 immediately above the stair step line drawn on the table beginning with the 2007 retirements of 2002 installations and ending with the 2016 retirements of the 2011 installations. Thus, the total amount of 143 for age interval 4½-5½ equals the sum of:

$$10 + 12 + 13 + 11 + 13 + 13 + 15 + 17 + 19 + 20.$$

SCHEDULE 1. RETIREMENTS FOR EACH YEAR 2007-2016  
SUMMARIZED BY AGE INTERVAL

| Retirements, Thousands of Dollars |             |      |      |      |      |      |      |      |      |      | Placement Band 2002-2016 |          |
|-----------------------------------|-------------|------|------|------|------|------|------|------|------|------|--------------------------|----------|
| Year                              | During Year |      |      |      |      |      |      |      |      |      | Total During             | Age      |
| Placed                            | 2007        | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | Age Interval             | Interval |
| (1)                               | (2)         | (3)  | (4)  | (5)  | (6)  | (7)  | (8)  | (9)  | (10) | (11) | (12)                     | (13)     |
| 2002                              | 10          | 11   | 12   | 13   | 14   | 16   | 23   | 24   | 25   | 26   | 26                       | 13½-14½  |
| 2003                              | 11          | 12   | 13   | 15   | 16   | 18   | 20   | 21   | 22   | 19   | 44                       | 12½-13½  |
| 2004                              | 11          | 12   | 13   | 14   | 16   | 17   | 19   | 21   | 22   | 18   | 64                       | 11½-12½  |
| 2005                              | 8           | 9    | 10   | 11   | 11   | 13   | 14   | 15   | 16   | 17   | 83                       | 10½-11½  |
| 2006                              | 9           | 10   | 11   | 12   | 13   | 14   | 16   | 17   | 19   | 20   | 93                       | 9½-10½   |
| 2007                              | 4           | 9    | 10   | 11   | 12   | 13   | 14   | 15   | 16   | 20   | 105                      | 8½-9½    |
| 2008                              |             | 5    | 11   | 12   | 13   | 14   | 15   | 16   | 18   | 20   | 113                      | 7½-8½    |
| 2009                              |             |      | 6    | 12   | 13   | 15   | 16   | 17   | 19   | 19   | 124                      | 6½-7½    |
| 2010                              |             |      |      | 6    | 13   | 15   | 16   | 17   | 19   | 19   | 131                      | 5½-6½    |
| 2011                              |             |      |      |      | 7    | 14   | 16   | 17   | 19   | 20   | 143                      | 4½-5½    |
| 2012                              |             |      |      |      |      | 8    | 18   | 20   | 22   | 23   | 146                      | 3½-4½    |
| 2013                              |             |      |      |      |      |      | 9    | 20   | 22   | 25   | 150                      | 2½-3½    |
| 2014                              |             |      |      |      |      |      |      | 11   | 23   | 25   | 151                      | 1½-2½    |
| 2015                              |             |      |      |      |      |      |      |      | 11   | 24   | 153                      | ½-1½     |
| 2016                              |             |      |      |      |      |      |      |      |      | 13   | 80                       | 0-½      |
| Total                             | 53          | 68   | 86   | 106  | 128  | 157  | 196  | 231  | 273  | 308  | 1,606                    |          |

SCHEDULE 2. OTHER TRANSACTIONS FOR EACH YEAR 2007-2016  
SUMMARIZED BY AGE INTERVAL

Experience Band 2007-2016

Placement Band 2002-2016

| Acquisitions, Transfers and Sales, Thousands of Dollars |             |      |      |      |      |      |                 |                   |                 |                    |                           |              |
|---------------------------------------------------------|-------------|------|------|------|------|------|-----------------|-------------------|-----------------|--------------------|---------------------------|--------------|
| Year Placed                                             | During Year |      |      |      |      |      |                 |                   |                 |                    | Total During Age Interval | Age Interval |
|                                                         | 2007        | 2008 | 2009 | 2010 | 2011 | 2012 | 2013            | 2014              | 2015            | 2016               |                           |              |
| (1)                                                     | (2)         | (3)  | (4)  | (5)  | (6)  | (7)  | (8)             | (9)               | (10)            | (11)               | (12)                      | (13)         |
| 2002                                                    | -           | -    | -    | -    | -    | -    | 60 <sup>a</sup> | -                 | -               | -                  | -                         | 13½-14       |
| 2003                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | -                         | 12½-13       |
| 2004                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | -                         | 11½-12       |
| 2005                                                    | -           | -    | -    | -    | -    | -    | -               | (5) <sup>b</sup>  | -               | -                  | 60                        | 10½-11       |
| 2006                                                    | -           | -    | -    | -    | -    | -    | -               | 6 <sup>a</sup>    | -               | -                  | -                         | 9½-10        |
| 2007                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | (5)                       | 8½-9½        |
| 2008                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | 6                         | 7½-8½        |
| 2009                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | -                         | 6½-7½        |
| 2010                                                    | -           | -    | -    | -    | -    | -    | -               | (12) <sup>b</sup> | -               | -                  | -                         | 5½-6½        |
| 2011                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | 22 <sup>a</sup> | -                  | -                         | 4½-5½        |
| 2012                                                    | -           | -    | -    | -    | -    | -    | -               | (19) <sup>b</sup> | -               | -                  | 10                        | 3½-4½        |
| 2013                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | -                         | 2½-3½        |
| 2014                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | (102) <sup>c</sup> | (121)                     | 1½-2½        |
| 2015                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | -                         | ½-1½         |
| 2016                                                    | -           | -    | -    | -    | -    | -    | -               | -                 | -               | -                  | -                         | 0-½          |
| Total                                                   | -           | -    | -    | -    | -    | -    | 60              | (30)              | 22              | (102)              | (50)                      |              |

<sup>a</sup> Transfer Affecting Exposures at Beginning of Year

<sup>b</sup> Transfer Affecting Exposures at End of Year

<sup>c</sup> Sale with Continued Use

Parentheses Denote Credit Amount.

In Schedule 2, other transactions which affect the group are recorded in a similar manner. The entries illustrated include transfers and sales. The entries which are credits to the plant account are shown in parentheses. The items recorded on this schedule are not totaled with the retirements, but are used in developing the exposures at the beginning of each age interval.

### **Schedule of Plant Exposed to Retirement**

The development of the amount of plant exposed to retirement at the beginning of each age interval is illustrated in Schedule 3 on page II-14. The surviving plant at the beginning of each year from 2007 through 2016 is recorded by year in the portion of the table headed "Annual Survivors at the Beginning of the Year." The last amount entered in each column is the amount of new plant added to the group during the year. The amounts entered in Schedule 3 for each successive year following the beginning balance or addition are obtained by adding or subtracting the net entries shown on Schedules 1 and 2. For the purpose of determining the plant exposed to retirement, transfers-in are considered as being exposed to retirement in this group at the beginning of the year in which they occurred, and the sales and transfers-out are considered to be removed from the plant exposed to retirement at the beginning of the following year. Thus, the amounts of plant shown at the beginning of each year are the amounts of plant from each placement year considered to be exposed to retirement at the beginning of each successive transaction year. For example, the exposures for the installation year 2012 are calculated in the following manner:

|                     |                                   |             |
|---------------------|-----------------------------------|-------------|
| Exposures at age 0  | = amount of addition              | = \$750,000 |
| Exposures at age ½  | = \$750,000 - \$ 8,000            | = \$742,000 |
| Exposures at age 1½ | = \$742,000 - \$18,000            | = \$724,000 |
| Exposures at age 2½ | = \$724,000 - \$20,000 - \$19,000 | = \$685,000 |
| Exposures at age 3½ | = \$685,000 - \$22,000            | = \$663,000 |

SCHEDULE 3. PLANT EXPOSED TO RETIREMENT  
JANUARY 1 OF EACH YEAR 2007-2016  
SUMMARIZED BY AGE INTERVAL

Experience Band 2007-2016

Placement Band 2002-2016

| Year                 | Exposures, Thousands of Dollars               |                    |                    |                    |                    |                    |                    |                    |                     |                     |        | Total at<br>Beginning of<br>Age Interval<br>(12) | Age<br>Interval<br>(13) |
|----------------------|-----------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|--------|--------------------------------------------------|-------------------------|
|                      | Annual Survivors at the Beginning of the Year |                    |                    |                    |                    |                    |                    |                    |                     |                     |        |                                                  |                         |
|                      | <u>2007</u><br>(2)                            | <u>2008</u><br>(3) | <u>2009</u><br>(4) | <u>2010</u><br>(5) | <u>2011</u><br>(6) | <u>2012</u><br>(7) | <u>2013</u><br>(8) | <u>2014</u><br>(9) | <u>2015</u><br>(10) | <u>2016</u><br>(11) |        |                                                  |                         |
| <u>Placed</u><br>(1) |                                               |                    |                    |                    |                    |                    |                    |                    |                     |                     |        |                                                  |                         |
| 2002                 | 255                                           | 245                | 234                | 222                | 209                | 195                | 239                | 216                | 192                 | 167                 | 167    | 167                                              | 13½-14½                 |
| 2003                 | 279                                           | 268                | 256                | 243                | 228                | 212                | 194                | 174                | 153                 | 131                 | 323    | 323                                              | 12½-13½                 |
| 2004                 | 307                                           | 296                | 284                | 271                | 257                | 241                | 224                | 205                | 184                 | 162                 | 531    | 531                                              | 11½-12½                 |
| 2005                 | 338                                           | 330                | 321                | 311                | 300                | 289                | 276                | 262                | 242                 | 226                 | 823    | 823                                              | 10½-11½                 |
| 2006                 | 376                                           | 367                | 357                | 346                | 334                | 321                | 307                | 297                | 280                 | 261                 | 1,097  | 1,097                                            | 9½-10½                  |
| 2007                 | 420 <sup>a</sup>                              | 416                | 407                | 397                | 386                | 374                | 361                | 347                | 332                 | 316                 | 1,503  | 1,503                                            | 8½-9½                   |
| 2008                 |                                               | 460 <sup>a</sup>   | 455                | 444                | 432                | 419                | 405                | 390                | 374                 | 356                 | 1,952  | 1,952                                            | 7½-8½                   |
| 2009                 |                                               |                    | 510 <sup>a</sup>   | 504                | 492                | 479                | 464                | 448                | 431                 | 412                 | 2,463  | 2,463                                            | 6½-7½                   |
| 2010                 |                                               |                    |                    | 580 <sup>a</sup>   | 574                | 561                | 546                | 530                | 501                 | 482                 | 3,057  | 3,057                                            | 5½-6½                   |
| 2011                 |                                               |                    |                    |                    | 660 <sup>a</sup>   | 653                | 639                | 623                | 628                 | 609                 | 3,789  | 3,789                                            | 4½-5½                   |
| 2012                 |                                               |                    |                    |                    |                    | 750 <sup>a</sup>   | 742                | 724                | 685                 | 663                 | 4,332  | 4,332                                            | 3½-4½                   |
| 2013                 |                                               |                    |                    |                    |                    |                    | 850 <sup>a</sup>   | 841                | 821                 | 799                 | 4,955  | 4,955                                            | 2½-3½                   |
| 2014                 |                                               |                    |                    |                    |                    |                    |                    | 960 <sup>a</sup>   | 949                 | 926                 | 5,719  | 5,719                                            | 1½-2½                   |
| 2015                 |                                               |                    |                    |                    |                    |                    |                    |                    | 1,080 <sup>a</sup>  | 1,069               | 6,579  | 6,579                                            | ½-1½                    |
| 2016                 |                                               |                    |                    |                    |                    |                    |                    |                    |                     | 1,220 <sup>a</sup>  | 7,490  | 7,490                                            | 0-½                     |
| Total                | 1,975                                         | 2,382              | 2,824              | 3,318              | 3,872              | 4,494              | 5,247              | 6,017              | 6,852               | 7,799               | 44,780 | 44,780                                           |                         |

<sup>a</sup>Additions during the year

For the entire experience band 2007-2016, the total exposures at the beginning of an age interval are obtained by summing diagonally in a manner similar to the summing of the retirements during an age interval (Schedule 1). For example, the figure of 3,789, shown as the total exposures at the beginning of age interval 4½-5½, is obtained by summing:

$$255 + 268 + 284 + 311 + 334 + 374 + 405 + 448 + 501 + 609.$$

### **Original Life Table**

The original life table, illustrated in Schedule 4 on page II-16, is developed from the totals shown on the schedules of retirements and exposures, Schedules 1 and 3, respectively. The exposures at the beginning of the age interval are obtained from the corresponding age interval of the exposure schedule, and the retirements during the age interval are obtained from the corresponding age interval of the retirement schedule. The retirement ratio is the result of dividing the retirements during the age interval by the exposures at the beginning of the age interval. The percent surviving at the beginning of each age interval is derived from survivor ratios, each of which equals one minus the retirement ratio. The percent surviving is developed by starting with 100% at age zero and successively multiplying the percent surviving at the beginning of each interval by the survivor ratio, i.e., one minus the retirement ratio for that age interval. The calculations necessary to determine the percent surviving at age 5½ are as follows:

|                               |   |                           |          |
|-------------------------------|---|---------------------------|----------|
| Percent surviving at age 4½   | = | 88.15                     |          |
| Exposures at age 4½           | = | 3,789,000                 |          |
| Retirements from age 4½ to 5½ | = | 143,000                   |          |
| Retirement Ratio              | = | $143,000 \div 3,789,000$  | = 0.0377 |
| Survivor Ratio                | = | $1.000 - 0.0377$          | = 0.9623 |
| Percent surviving at age 5½   | = | $(88.15) \times (0.9623)$ | = 84.83  |

The totals of the exposures and retirements (columns 2 and 3) are shown for the purpose of checking with the respective totals in Schedules 1 and 3. The ratio of the total retirements to the total exposures, other than for each age interval, is meaningless.

SCHEDULE 4. ORIGINAL LIFE TABLE  
CALCULATED BY THE RETIREMENT RATE METHOD

Experience Band 2007-2016

Placement Band 2002-2016

(Exposure and Retirement Amounts are in Thousands of Dollars)

| Age at<br>Beginning of<br>Interval | Exposures at<br>Beginning of<br>Age Interval | Retirements<br>During Age<br>Interval | Retirement<br>Ratio | Survivor<br>Ratio | Percent<br>Surviving at<br>Beginning of<br>Age Interval |
|------------------------------------|----------------------------------------------|---------------------------------------|---------------------|-------------------|---------------------------------------------------------|
| (1)                                | (2)                                          | (3)                                   | (4)                 | (5)               | (6)                                                     |
| 0.0                                | 7,490                                        | 80                                    | 0.0107              | 0.9893            | 100.00                                                  |
| 0.5                                | 6,579                                        | 153                                   | 0.0233              | 0.9767            | 98.93                                                   |
| 1.5                                | 5,719                                        | 151                                   | 0.0264              | 0.9736            | 96.62                                                   |
| 2.5                                | 4,955                                        | 150                                   | 0.0303              | 0.9697            | 94.07                                                   |
| 3.5                                | 4,332                                        | 146                                   | 0.0337              | 0.9663            | 91.22                                                   |
| 4.5                                | 3,789                                        | 143                                   | 0.0377              | 0.9623            | 88.15                                                   |
| 5.5                                | 3,057                                        | 131                                   | 0.0429              | 0.9571            | 84.83                                                   |
| 6.5                                | 2,463                                        | 124                                   | 0.0503              | 0.9497            | 81.19                                                   |
| 7.5                                | 1,952                                        | 113                                   | 0.0579              | 0.9421            | 77.11                                                   |
| 8.5                                | 1,503                                        | 105                                   | 0.0699              | 0.9301            | 72.65                                                   |
| 9.5                                | 1,097                                        | 93                                    | 0.0848              | 0.9152            | 67.57                                                   |
| 10.5                               | 823                                          | 83                                    | 0.1009              | 0.8991            | 61.84                                                   |
| 11.5                               | 531                                          | 64                                    | 0.1205              | 0.8795            | 55.60                                                   |
| 12.5                               | 323                                          | 44                                    | 0.1362              | 0.8638            | 48.90                                                   |
| 13.5                               | 167                                          | 26                                    | 0.1557              | 0.8443            | 42.24                                                   |
| 14.5                               |                                              |                                       |                     |                   | 35.66                                                   |
| Total                              | <u>44,780</u>                                | <u>1,606</u>                          |                     |                   |                                                         |

Column 2 from Schedule 3, Column 12, Plant Exposed to Retirement.

Column 3 from Schedule 1, Column 12, Retirements for Each Year.

Column 4 = Column 3 Divided by Column 2.

Column 5 = 1.0000 Minus Column 4.

Column 6 = Column 5 Multiplied by Column 6 as of the Preceding Age Interval.

The original survivor curve is plotted from the original life table (column 6, Schedule 4). When the curve terminates at a percent surviving greater than zero, it is called a stub survivor curve. Survivor curves developed from retirement rate studies generally are stub curves.

### **Smoothing the Original Survivor Curve**

The smoothing of the original survivor curve eliminates any irregularities and serves as the basis for the preliminary extrapolation to zero percent surviving of the original stub curve. Even if the original survivor curve is complete from 100% to zero percent, it is desirable to eliminate any irregularities, as there is still an extrapolation for the vintages which have not yet lived to the age at which the curve reaches zero percent. In this study, the smoothing of the original curve with established type curves was used to eliminate irregularities in the original curve.

The Iowa type curves are used in this study to smooth those original stub curves which are expressed as percents surviving at ages in years. Each original survivor curve was compared to the Iowa curves using visual and mathematical matching in order to determine the better fitting smooth curves. In Figures 6, 7, and 8, the original curve developed in Schedule 4 is compared with the L, S, and R Iowa type curves which most nearly fit the original survivor curve. In Figure 6, the L1 curve with an average life between 12 and 13 years appears to be the best fit. In Figure 7, the S0 type curve with a 12-year average life appears to be the best fit and appears to be better than the L1 fitting. In Figure 8, the R1 type curve with a 12-year average life appears to be the best fit and appears to be better than either the L1 or the S0.

In Figure 9, the three fittings, 12-L1, 12-S0 and 12-R1 are drawn for comparison purposes. It is probable that the 12-R1 Iowa curve would be selected as the most representative of the plotted survivor characteristics of the group.

FIGURE 6. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

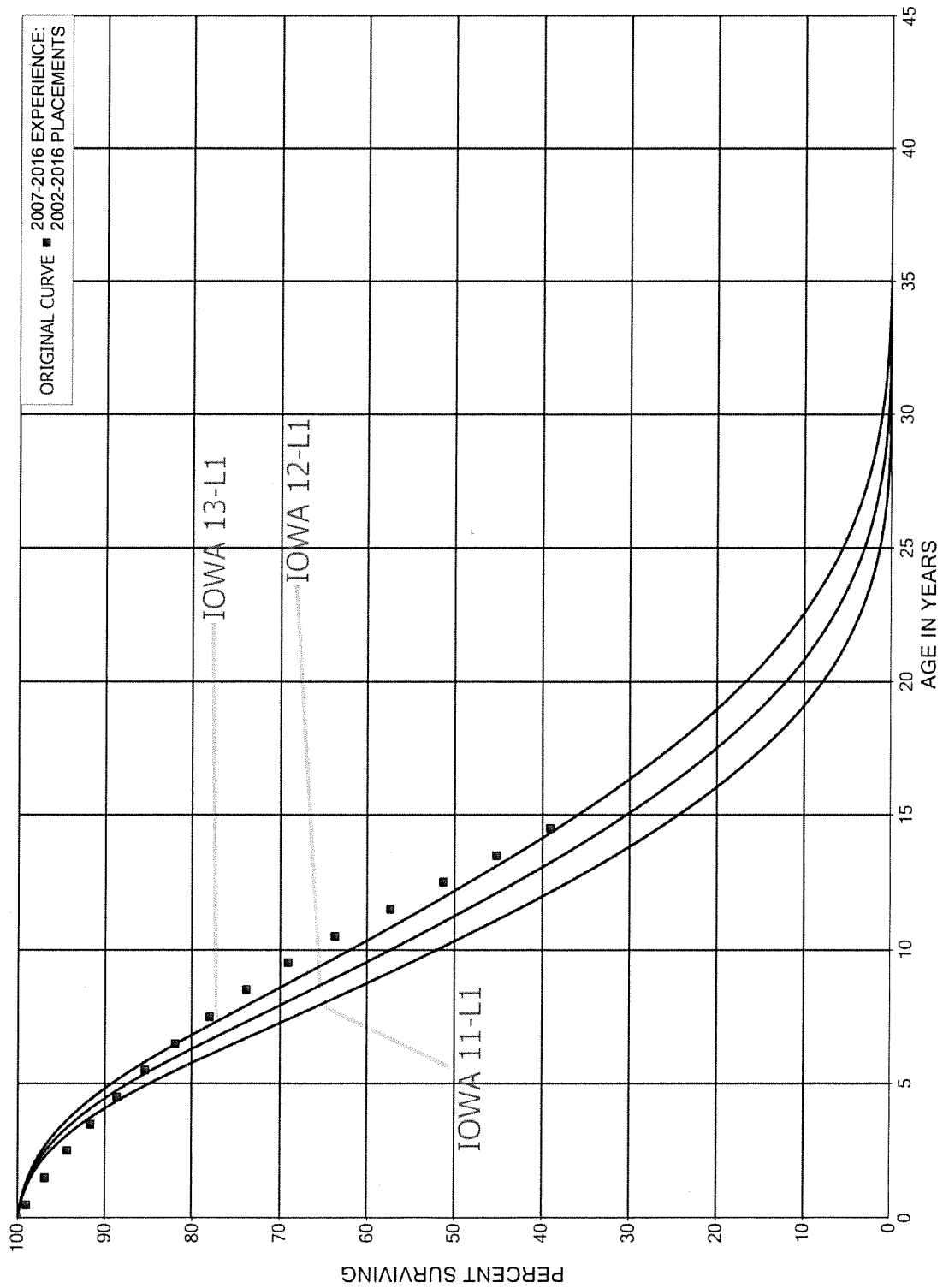


FIGURE 7. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN S0 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

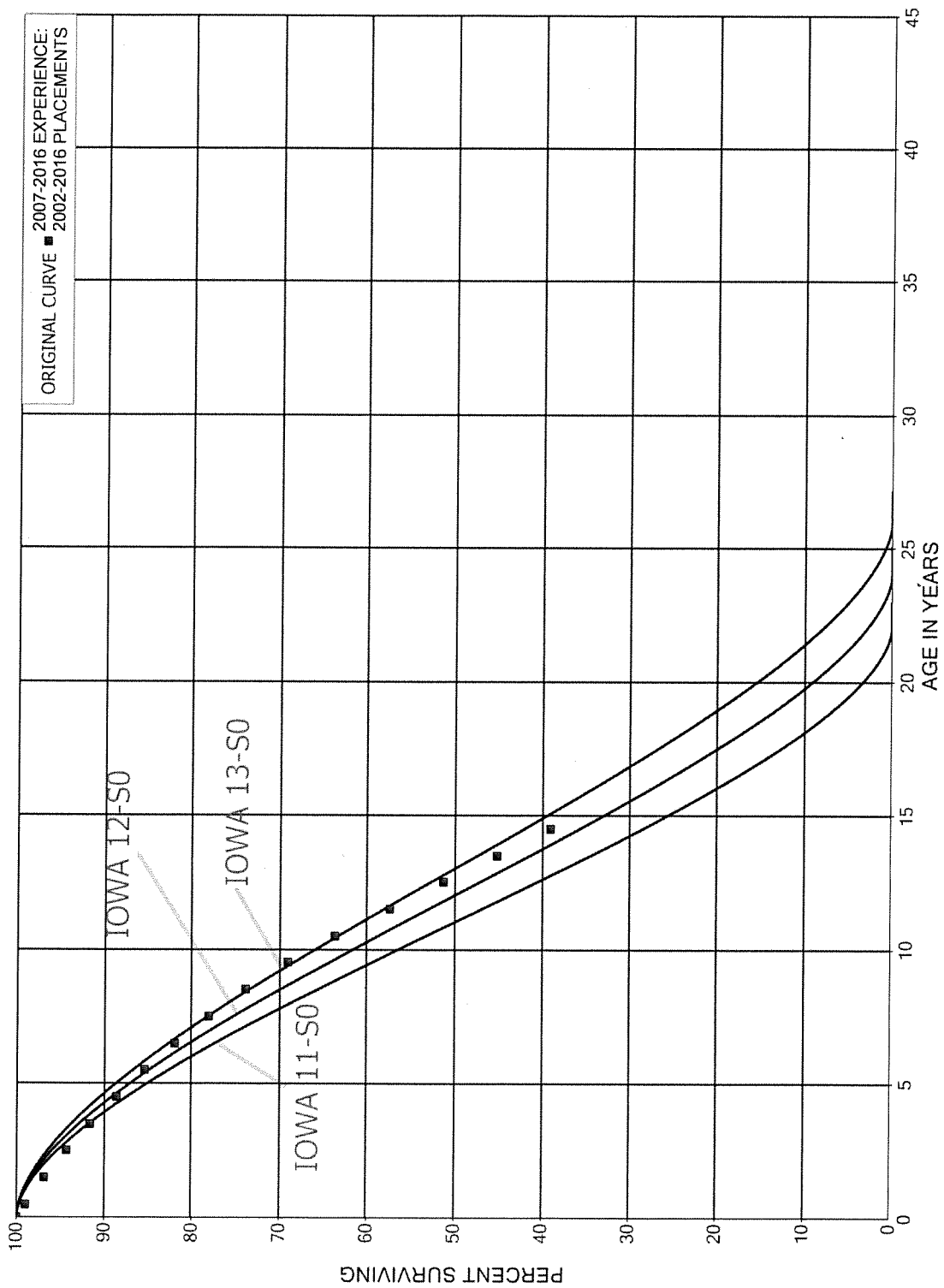


FIGURE 8. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES

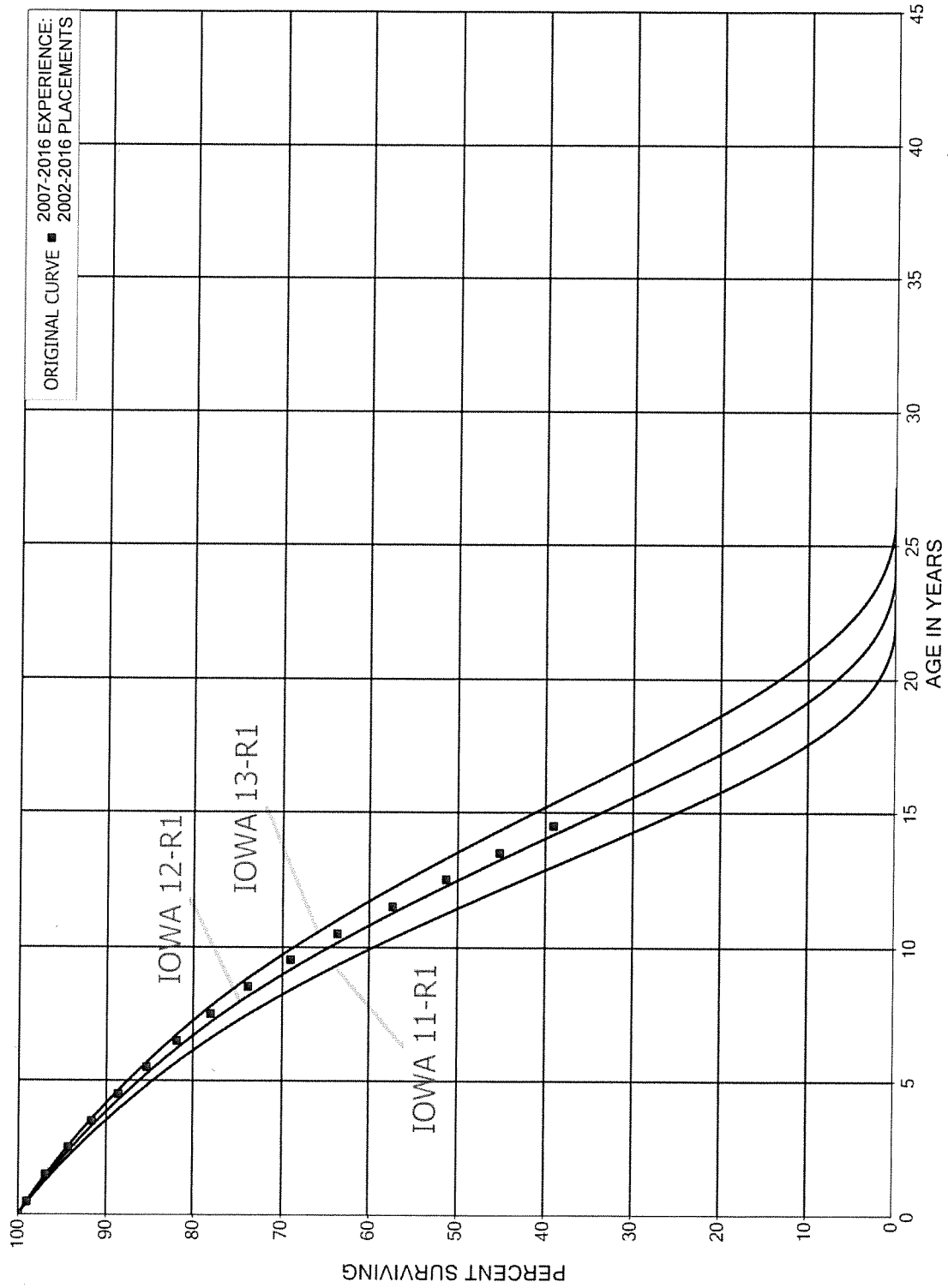
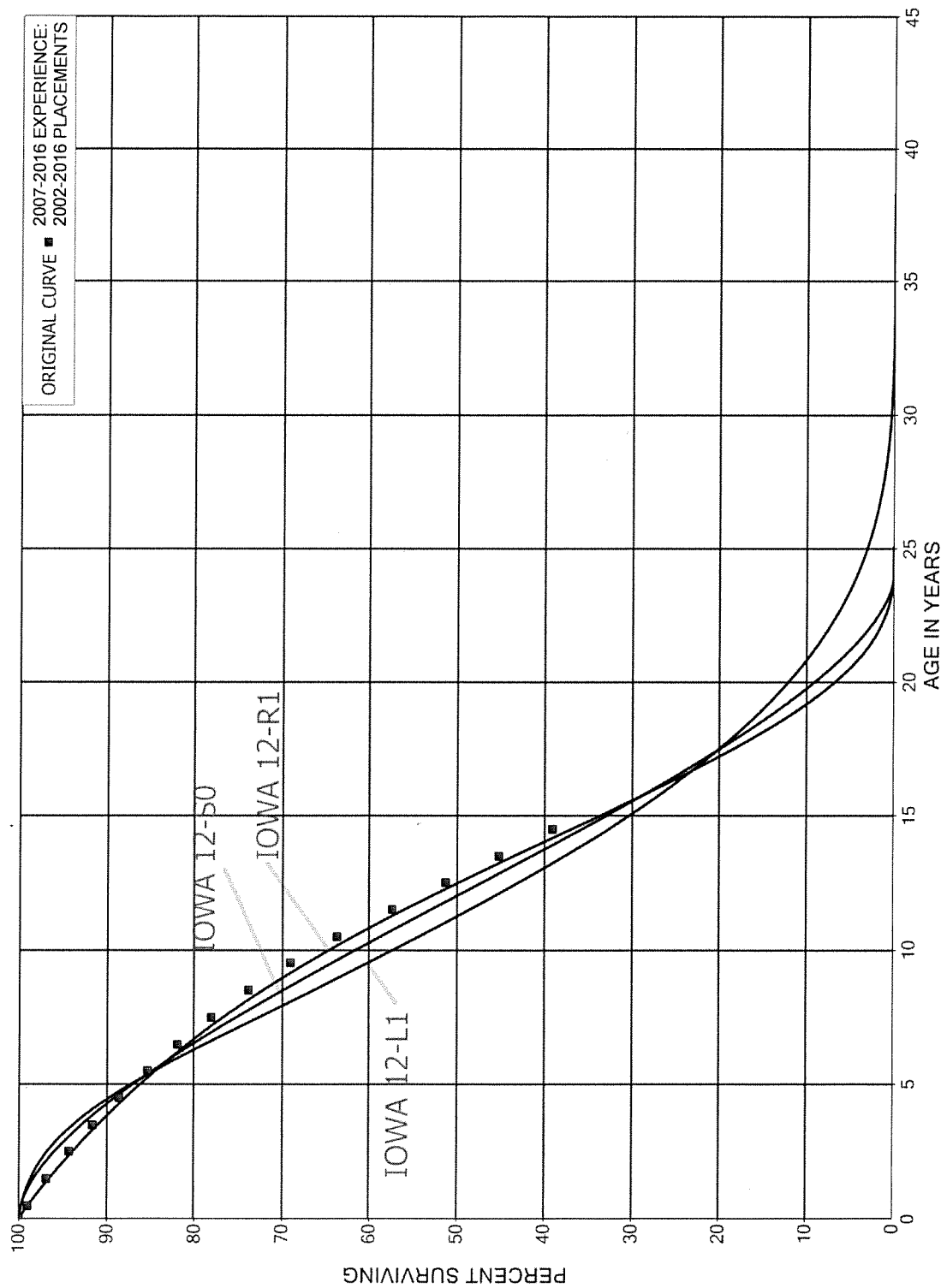


FIGURE 9. ILLUSTRATION OF THE MATCHING OF AN ORIGINAL SURVIVOR CURVE WITH AN L1, S0 AND R1 IOWA TYPE CURVE  
ORIGINAL AND SMOOTH SURVIVOR CURVES



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## PART III. SERVICE LIFE CONSIDERATIONS

## PART III. SERVICE LIFE CONSIDERATIONS

### FIELD TRIPS

In order to be familiar with the operation of the Company and observe representative portions of the plant, a field trip was conducted for the study. A general understanding of the function of the plant and information with respect to the reasons for past retirements and the expected future causes of retirements are obtained during field trips. This knowledge and information were incorporated in the interpretation and extrapolation of the statistical analyses.

The following is a list of the locations visited during the recent field trip.

#### January 9, 2018

Derby Transmission Station T005A-B  
Dayton West Operating Center  
Sidney Regulator Station Daniel Drive R-11  
Sidney Regulator Station 23E  
Piqua Regulator Station R0-16  
High and Spring Street Regulator Station R30  
Troy Regulator Station R008 (Water Street and Cherry Street)  
Stanfield Regulator Station S-52  
Stanfield Meter Set (Honda)  
Troy Operating Center  
Vandalia T-15 Transmission Regulator Station  
Cargill Regulator Station  
Centerville Transmission Regulator Station  
Centerville Training Facility  
Centerville City Gate Station T-063  
Bellbrook #1 Transmission Station T-61  
Bellview Acres Regulator Station S-027  
Centerville Operations Center

### SERVICE LIFE CONSIDERATIONS

The service life estimates were based on judgment which considered a number of factors. The primary factors were the statistical analyses of data, current Company policies and outlook as determined during field reviews of the property and other

conversations with management, and the survivor curve estimates from other gas companies.

The estimated survivor curves for most of the mass property accounts are based on statistical analyses of plant accounting data and the range of lives and type curves used for other companies in the gas industry. The combined Account 367, 376, and 376.01 Mains, is the largest depreciable plant account and is used to illustrate the manner in which the study was conducted for the groups using the retirement rate method. Aged retirement and other plant accounting data were compiled for the years 2001 through June 2017. These data were coded in the course of the Company's normal recordkeeping according to plant account or property group, type of transaction, year in which the transaction took place, and year in which the electric plant was placed in service. The data were analyzed by the retirement rate method of life analysis. The survivor curve chart for the account is presented on page VII-18 and the life table for the experience band 2001-2017 plotted on the chart follow it.

Typical service lives for the gas mains of other gas companies range from 55 to 70 years. The Iowa 70-R4 survivor curve is estimated to represent the future, inasmuch as it is a reasonable interpretation of the survivor curve characteristics for mains, reflects the outlook of management and is within the typical range of lives for this account.

The estimates for the general structures in Account 390 were based on the results of applying the retirement rate method to the aged retirements for the account during the period 2001-2017. The 50-R2.5 survivor curve was selected to represent the retirement characteristics for these types of structures. The 50-year average service life is within the range of typical service lives for these structures.

Another large account is the combined Account 380, Services and Account 380.1, Services – Bare Steel / Cast Iron Replacement. The estimate of survivor characteristics is based on the 2001-2017 experience band. As the survivor curve chart illustrates, the experience band represents similar life characteristics and supports the 65-R4 survivor curve. The 65-year average life is lower than the upper end of the range of lives used by others in the industry.

Similar studies were performed for the remaining plant accounts. Each of the judgments represented a consideration of statistical analyses of aged plant activity, management's outlook for the future, and the typical range of lives used by other electric companies.

The selected amortization periods for other General Plant accounts are described in the section "Calculated Annual and Accrued Amortization."

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## PART IV. NET SALVAGE CONSIDERATIONS

## **PART IV. NET SALVAGE CONSIDERATIONS**

### **SALVAGE ANALYSIS**

The estimates of net salvage were based in part on historical data compiled for the years 2001 through June 2017. The net salvage estimates are expressed as a percent of the original cost of plant retired. The salvage analyses include annual amounts and five-year moving average bases.

#### **Net Salvage Considerations**

The estimates of net salvage were based primarily on judgment which considered a number of factors. The primary factors were the analyses of historical data, a knowledge of management's plans and operating policies determined during the field trip and other discussions, a general knowledge of the gas industry, and net salvage estimates used by other gas companies. Depreciation reserve accounting data were compiled for the years 2001 through June 2017. These data include the retirements, cost of removal and gross salvage.

The net salvage results for the combined accounts 367 Mains, 376 Mains and 376.1 Mains – Bare Steel / Cast Iron Replacement, will be used to illustrate the methods for estimating net salvage. The net salvage estimate for the combined accounts, is negative 80 percent and is based on the historical analysis of salvage percents as shown in the tabulation on page VIII-5 and the typical range of net salvage estimates used by other gas utilities for mains. The historical indication for the period 2001 through June 2017 is negative 79 percent, which is within the range of estimates for other gas companies of negative 20 to 80 percent. The most recent five-year average, 2013-2017,

was also negative 79 percent net salvage. Based on these averages and considering the estimates of others, negative 80 percent net salvage is estimated for accounts.

The net salvage estimates for the remaining plant accounts were estimated using the above-described process of historical indications, judgment and reviewing the typical range of estimates used by other gas companies. The results of the net salvage for each plant account are presented in account sequence beginning in the section titled "Net Salvage Statistics", page VIII-2.

Generally, the net salvage estimates for the general plant accounts were zero percent, consistent with amortization accounting.

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## **PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION**

## **PART V. CALCULATION OF ANNUAL AND ACCRUED DEPRECIATION**

### **GROUP DEPRECIATION PROCEDURES**

A group procedure for depreciation is appropriate when considering more than a single item of property. Normally the items within a group do not have identical service lives, but have lives that are dispersed over a range of time. There are two primary group procedures, namely, average service life and equal life group. In the average service life procedure, the rate of annual depreciation is based on the average life or average remaining life of the group, and this rate is applied to the surviving balances of the group's cost. A characteristic of this procedure is that the cost of plant retired prior to average life is not fully recouped at the time of retirement, whereas the cost of plant retired subsequent to average life is more than fully recouped. Over the entire life cycle, the portion of cost not recouped prior to average life is balanced by the cost recouped subsequent to average life.

In the average service life procedure, the annual accrual rate is computed by the following equation:

$$\text{Annual Accrual Rate, Percent} = \frac{(100\% - \text{Net Salvage, Percent})}{\text{Average Service Life}}.$$

### **Single Unit of Property**

After the survivor curve and net salvage are estimated, the annual and accrued depreciation can be calculated. The calculation of straight line depreciation for a single unit of property is straightforward. For example, if a \$1,000 unit of property attains an age of four years and has a life expectancy of six years, the annual accrual over the total life is:

$$\frac{\$1,000}{(4 + 6)} = \$100 \text{ per year.}$$

The accrued depreciation is:

$$\$1,000 \left(1 - \frac{6}{10}\right) = \$400.$$

For property groups in which the average service life of each vintage differs because the life of successive additions is restricted by an expected concurrent retirement of all associated property, the annual accrual rate is calculated separately for each vintage. The rate for each vintage is determined by the above equations, using the average service life calculated for the investment in that vintage. A composite rate for the total investment in such a group may then be calculated at a specific date by weighting the rate for each vintage by the related surviving investment.

The calculated accrued depreciation for each depreciable property group represents that portion of the depreciable cost of the group which would not be allocated to expense through future depreciation accruals if current forecasts of life characteristics are used as the basis for such accruals. The accrued depreciation calculation consists of applying an appropriate ratio to the surviving original cost of each vintage of each account based upon the attained age, service life and net salvage. The straight line accrued depreciation ratios are calculated as follows for the average service life procedure:

$$\text{Ratio} = 1 - \left( \frac{\text{Average Remaining Life}}{\text{Average Service Life}} \right) (1 - \text{Net Salvage, Percent}).$$

## CALCULATION OF ANNUAL AND ACCRUED AMORTIZATION

Amortization is the gradual extinguishment of an amount in an account by distributing such amount over a fixed period, over the life of the asset or liability to which it applies, or over the period during which it is anticipated the benefit will be realized. Normally, the distribution of the amount is in equal amounts to each year of the amortization period.

The calculation of annual and accrued amortization requires the selection of an amortization period. The amortization periods used in this report were based on judgment which incorporated a consideration of the period during which the assets will render most of their service, the amortization period and service lives used by other utilities, and the service life estimates previously used for the asset under depreciation accounting.

Amortization accounting is appropriate for certain General Plant accounts that represent numerous units of property, but a very small portion of depreciable gas plant in service. The accounts and their amortization periods are as follows:

| Account                               | Amortization<br>Period,<br>Years |
|---------------------------------------|----------------------------------|
| 391, Office Furniture and Equipment   |                                  |
| Electronic Equipment                  | 15                               |
| Furniture and Fixtures                | 20                               |
| 394, Tools, Shop and Garage Equipment | 25                               |
| 397, Communication Equipment          | 15                               |
| 398, Miscellaneous Equipment          | 20                               |

The annual amortization amount is determined by dividing the original cost for vintages whose age is less than the amortization period by the period of amortization. The calculated accrued amortization is equal to the original cost multiplied by the ratio of the vintage's age to its amortization period.

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## PART VI. RESULTS OF STUDY

## **PART VI. RESULTS OF STUDY**

### **QUALIFICATION OF RESULTS**

The calculated annual and accrued depreciation are the principal results of the study. Continued surveillance and periodic revisions are normally required to maintain continued use of appropriate annual depreciation accrual rates. An assumption that accrual rates can remain unchanged over a long period of time implies a disregard for the inherent variability in service lives and net salvage and for the change of the composition of property in service. The annual accrual rates were calculated in accordance with the straight line whole life method of depreciation, using the average service life procedure based on estimates which reflect considerations of current historical evidence and expected future conditions.

The annual depreciation accrual rates are applicable specifically to the gas plant in service as of June 30, 2017. For most plant accounts, the application of such rates to future balances that reflect additions subsequent to June 30, 2017, is reasonable for a period of three to five years.

### **DESCRIPTION OF STATISTICAL SUPPORT**

The service life and net salvage estimates were based on judgment which incorporated statistical analyses of retirement data, discussions with management and consideration of estimates made for other gas utility companies. The results of the statistical analyses of service life are presented in the section titled "Service Life Statistics".

The estimated survivor curves for each account are presented in graphical form. The charts depict the estimated smooth survivor curve and original survivor curve(s),

when applicable, related to each specific group. For groups where the original survivor curve was plotted, the calculation of the original life table is also presented.

The analyses of salvage data are presented in the section titled, "Net Salvage Statistics". The tabulations present annual cost of removal and net salvage data, three-year moving averages and the most recent five-year average. Data are shown in dollars and as percentages of the original cost retired.

## **DESCRIPTION OF DEPRECIATION TABULATIONS**

A summary table of the results of the study, as applied to the original cost of gas plant as of June 30, 2017, are presented on pages VI-4 through VI-6 of this report. The table summarizes the calculated annual and accrued depreciation by account based on the straight line whole life method of depreciation.

The tables of the calculated annual and accrued depreciation are presented in account sequence in the section titled "Detailed Depreciation Calculations." The tables indicate the estimated survivor curve and net salvage percent for the account and set forth for each installation year the original cost, the average life, the calculated annual accrual amount and rate, the expectancy, and the calculated accrued factor and depreciation.

## VECTREN ENERGY DELIVERY OF OHIO

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST AND CALCULATED ANNUAL AND ACCRUED DEPRECIATION RELATED TO GAS PLANT AS OF JUNE 30, 2017

| ACCOUNT<br>(1)                                               | SURVIVOR<br>CURVE<br>(2) | NET<br>SALVAGE<br>PERCENT<br>(3) | ORIGINAL COST<br>AS OF<br>JUNE 30, 2017<br>(4) | CALCULATED<br>WHOLE LIFE        |                     | CALCULATED<br>ACCRUED<br>DEPRECIATION<br>(7) |
|--------------------------------------------------------------|--------------------------|----------------------------------|------------------------------------------------|---------------------------------|---------------------|----------------------------------------------|
|                                                              |                          |                                  |                                                | ANNUAL ACCRUAL<br>AMOUNT<br>(5) | RATE<br>(6)=(5)/(4) |                                              |
| MANUFACTURED PRODUCTION PLANT                                |                          |                                  |                                                |                                 |                     |                                              |
| 311.1 LIQUEFIED PETROLEUM GAS EQUIPMENT                      | 30-S1                    | (5)                              | 20,572.40                                      | 719                             | 3.50                | 3,478                                        |
| 311.3 LIQUEFIED PETROLEUM GAS EQUIPMENT - SUPPLY LINES       | 50-S2                    | (5)                              | 843,602.87                                     | 17,716                          | 2.10                | 676,082                                      |
| TOTAL MANUFACTURED PRODUCTION PLANT                          |                          |                                  |                                                | 18,435                          | 2.13                | 679,560                                      |
| TRANSMISSION PLANT                                           |                          |                                  |                                                |                                 |                     |                                              |
| 365.2 RIGHTS OF WAY                                          | 70-R4                    | 0                                | 81,689.32                                      | 1,168                           | 1.43                | 9,179                                        |
| 366.2 STRUCTURES AND IMPROVEMENTS                            | 55-S2                    | (5)                              | 63,326.39                                      | 1,210                           | 1.91                | 9,927                                        |
| 367.0 MAINS                                                  | 70-R4                    | (80)                             | 68,277,164.92                                  | 1,757,454                       | 2.57                | 8,419,079                                    |
| 369.0 MEASURING AND REGULATING STATION EQUIPMENT             | 60-R2.5                  | (20)                             | 13,992,103.46                                  | 280,402                         | 2.00                | 1,100,866                                    |
| 371.0 OTHER EQUIPMENT                                        | 30-S2.5                  | 0                                | 18,626.68                                      | 620                             | 3.33                | 7,239                                        |
| TOTAL TRANSMISSION PLANT                                     |                          |                                  |                                                | 2,040,854                       | 2.48                | 9,546,290                                    |
| DISTRIBUTION PLANT                                           |                          |                                  |                                                |                                 |                     |                                              |
| 374.2 LAND RIGHTS                                            | 70-R4                    | 0                                | 4,343,005.75                                   | 62,071                          | 1.43                | 1,901,314                                    |
| 374.4 LAND RIGHTS - 25 YEAR AMORTIZATION                     | 25-SQ                    | 0                                | 34,370.25                                      | 1,375                           | 4.00                | 12,373                                       |
| 374.5 LAND RIGHTS - 20 YEAR AMORTIZATION                     | 20-SQ                    | 0                                | 79,362.48                                      | 3,968                           | 5.00                | 992                                          |
| 375.0 STRUCTURES AND IMPROVEMENTS                            | 55-S2                    | (5)                              | 895,253.54                                     | 17,097                          | 1.91                | 487,181                                      |
| 376.0 MAINS                                                  | 70-R4                    | (80)                             | 294,000,489.78                                 | 7,567,573                       | 2.57                | 178,887,814                                  |
| 376.1 MAINS - BARE STEEL/CAST IRON REPLACEMENT               | 70-R4                    | (80)                             | 93,581,443.48                                  | 2,408,786                       | 2.57                | 8,146,869                                    |
| TOTAL ACCOUNT 376                                            |                          |                                  |                                                | 9,976,359                       | 2.57                | 187,034,683                                  |
| 378.0 MEASURING AND REGULATING STATION EQUIPMENT             | 60-R2.5                  | (20)                             | 11,519,529.98                                  | 230,851                         | 2.00                | 5,393,795                                    |
| 379.0 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE | 60-R2.5                  | (20)                             | 1,459,142.23                                   | 29,241                          | 2.00                | 565,237                                      |
| 380.0 SERVICES                                               | 65-R4                    | (150)                            | 272,622,919.25                                 | 10,495,982                      | 3.85                | 139,593,538                                  |
| 380.1 SERVICES - BARE STEEL/CAST IRON REPLACEMENT            | 65-R4                    | (150)                            | 110,762,092.73                                 | 4,264,341                       | 3.85                | 12,984,490                                   |
| TOTAL ACCOUNT 380                                            |                          |                                  |                                                | 14,760,323                      | 3.85                | 152,558,028                                  |



## VECTREN ENERGY DELIVERY OF OHIO

TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST AND CALCULATED ANNUAL AND ACCRUED DEPRECIATION RELATED TO GAS PLANT AS OF JUNE 30, 2017

|               | ACCOUNT<br>(1)                                         | SURVIVOR<br>CURVE<br>(2) | NET<br>SALVAGE<br>PERCENT<br>(3) | ORIGINAL COST<br>AS OF<br>JUNE 30, 2017<br>(4) | CALCULATED<br>WHOLE LIFE |                     | CALCULATED<br>ACCURED<br>DEPRECIATION<br>(7) |
|---------------|--------------------------------------------------------|--------------------------|----------------------------------|------------------------------------------------|--------------------------|---------------------|----------------------------------------------|
|               |                                                        |                          |                                  |                                                | ANNUAL AMOUNT<br>(5)     | RATE<br>(6)=(5)/(4) |                                              |
| 381.0         | METERS                                                 | 40-R3                    | (30)                             | 63,071,601.42                                  | 2,049,827                | 3.25                | 21,964,622                                   |
| 382.0         | METER INSTALLATIONS                                    | 50-S2.5                  | (50)                             | 28,294,241.62                                  | 848,827                  | 3.00                | 4,883,038                                    |
| 382.1         | METER INSTALLATIONS - BARE STEEL/CAST IRON REPLACEMENT | 50-S2.5                  | (50)                             | 22,925,052.71                                  | 687,752                  | 3.00                | 2,080,417                                    |
|               | TOTAL ACCOUNT 382                                      |                          |                                  | 51,219,294.33                                  | 1,536,579                | 3.00                | 6,963,455                                    |
| 383.0         | HOUSE REGULATORS                                       | 45-R3                    | (25)                             | 9,767,255.42                                   | 271,041                  | 2.78                | 3,708,748                                    |
| 384.0         | HOUSE REGULATOR INSTALLATIONS                          | 50-R4                    | 0                                | 911,200.92                                     | 18,214                   | 2.00                | 555,392                                      |
| 385.0         | INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT  | 50-R2.5                  | (10)                             | 391,959.64                                     | 8,623                    | 2.20                | 121,156                                      |
| 387.0         | OTHER EQUIPMENT                                        | 30-S2.5                  | 0                                | 46,569.94                                      | 1,551                    | 3.33                | 13,883                                       |
|               | TOTAL DISTRIBUTION PLANT                               |                          |                                  | 914,705,491.14                                 | 28,967,120               | 3.17                | 381,280,859                                  |
| GENERAL PLANT |                                                        |                          |                                  |                                                |                          |                     |                                              |
| 389.1         | LAND AND LAND RIGHTS                                   | 65-R4                    | 0                                | 1,482,742.50                                   | 22,834                   | 1.54                | 623,295                                      |
| 390.0         | STRUCTURES AND IMPROVEMENTS                            | 50-R2.5                  | (5)                              | 8,397,533.11                                   | 176,348                  | 2.10                | 3,400,123                                    |
| 391.1         | OFFICE FURNITURE AND EQUIPMENT                         |                          |                                  |                                                |                          |                     |                                              |
|               | ELECTRONIC EQUIPMENT                                   |                          |                                  |                                                |                          |                     |                                              |
|               | FULLY ACCRUED                                          |                          |                                  | 70,749.85                                      | 0                        | -                   | 70,749                                       |
|               | AMORTIZED                                              |                          |                                  | 432,630.96                                     | 28,856                   | 6.67                | 358,702                                      |
|               | TOTAL ACCOUNT 391.1                                    |                          |                                  | 503,380.81                                     | 28,856                   | 5.73                | 429,451                                      |
| 391.2         | FURNITURE AND FIXTURES                                 |                          |                                  |                                                |                          |                     |                                              |
|               | FULLY ACCRUED                                          |                          |                                  | 1,577,609.95                                   | 0                        | -                   | 1,577,611                                    |
|               | AMORTIZED                                              |                          |                                  | 801,097.31                                     | 40,055                   | 5.00                | 488,658                                      |
|               | TOTAL ACCOUNT 391.2                                    |                          |                                  | 2,378,707.26                                   | 40,055                   | 1.68                | 2,066,269                                    |
|               | TOTAL ACCOUNT 391                                      |                          |                                  | 2,882,088.07                                   | 68,911                   | 2.39                | 2,495,720                                    |
|               | TRANSPORTATION EQUIPMENT                               |                          |                                  |                                                |                          |                     |                                              |
| 392.1         | AUTOS                                                  | 11-L3                    | 15                               | 1,603,940.18                                   | 123,928                  | 7.73                | 398,490                                      |
| 392.2         | LIGHT TRUCKS                                           | 13-S2                    | 15                               | 4,008,039.84                                   | 261,986                  | 6.54                | 1,321,374                                    |
| 392.3         | TRAILERS                                               | 22-S2                    | 5                                | 681,872.97                                     | 29,385                   | 4.31                | 367,734                                      |
| 392.4         | HEAVY TRUCKS                                           | 16-S2.5                  | 10                               | 3,228,175.44                                   | 181,585                  | 5.63                | 1,528,004                                    |
|               | TOTAL ACCOUNT 392                                      |                          |                                  | 9,522,028.43                                   | 596,884                  | 6.27                | 3,615,602                                    |

VECTREN ENERGY DELIVERY OF OHIO

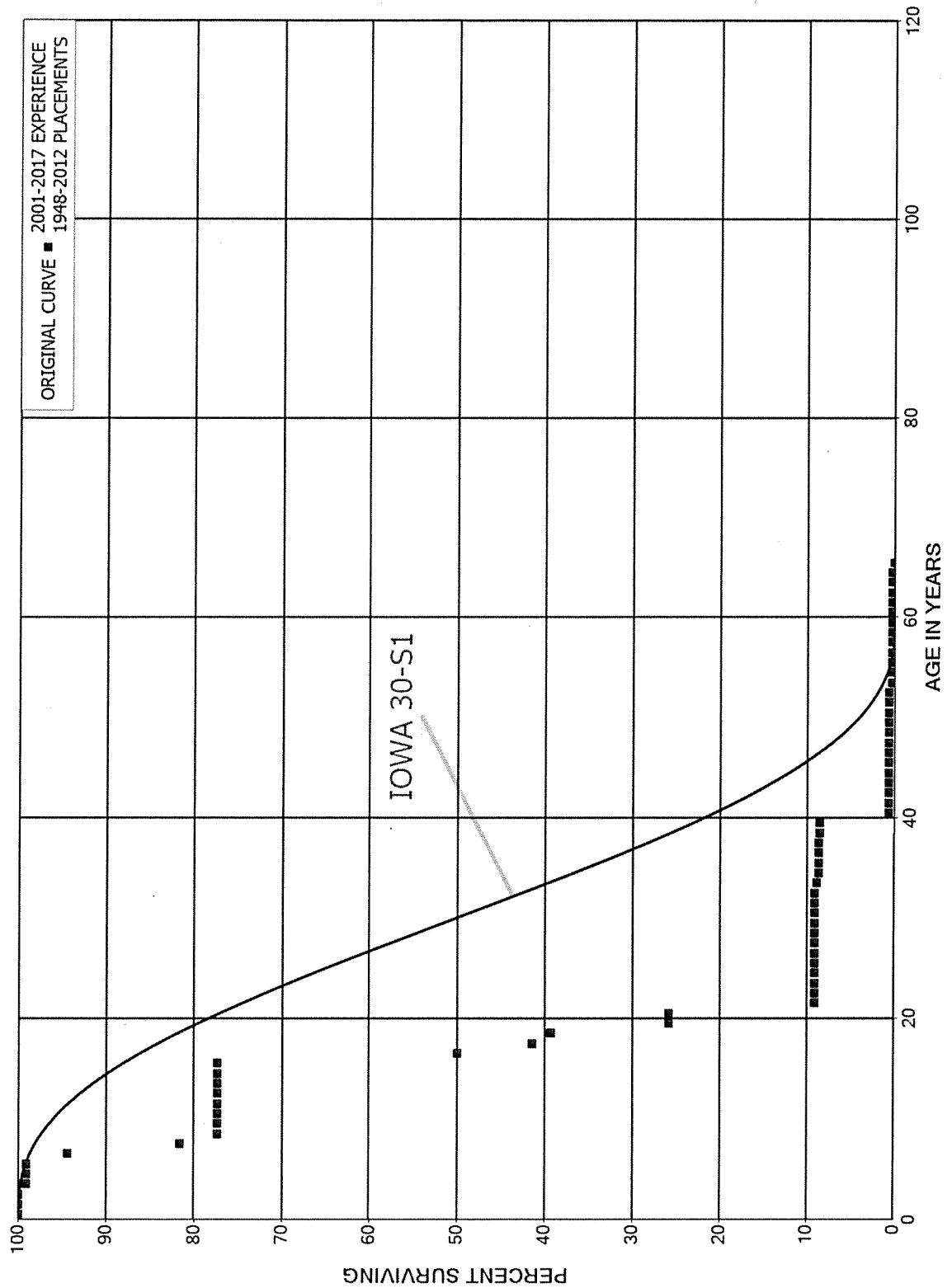
TABLE 1. SUMMARY OF ESTIMATED SURVIVOR CURVES, NET SALVAGE PERCENT, ORIGINAL COST AND CALCULATED ANNUAL AND ACCRUED DEPRECIATION RELATED TO GAS PLANT AS OF JUNE 30, 2017

|                                               | ACCOUNT<br>(1)                                                 | SURVIVOR<br>CURVE<br>(2) | NET<br>SALVAGE<br>PERCENT<br>(3) | ORIGINAL COST<br>AS OF<br>JUNE 30, 2017<br>(4) | CALCULATED<br>WHOLE LIFE<br>ANNUAL ACCRUAL |                     | CALCULATED<br>ACCRUED<br>DEPRECIATION<br>(7) |
|-----------------------------------------------|----------------------------------------------------------------|--------------------------|----------------------------------|------------------------------------------------|--------------------------------------------|---------------------|----------------------------------------------|
|                                               |                                                                |                          |                                  |                                                | AMOUNT<br>(5)                              | RATE<br>(6)=(5)/(4) |                                              |
| 394.0                                         | TOOLS, SHOP AND GARAGE EQUIPMENT<br>FULLY ACCRUED<br>AMORTIZED | 25-SQ                    | 0                                | 388,659.63<br>2,224,981.69                     | 0<br>88,999                                | -<br>4.00           | 388,660<br>1,005,987                         |
|                                               | TOTAL ACCOUNT 394                                              |                          |                                  | 2,613,641.32                                   | 88,999                                     | 3.41                | 1,394,647                                    |
| 396.0                                         | POWER OPERATED EQUIPMENT                                       | 23-R3                    | 10                               | 1,384,642.29                                   | 54,209                                     | 3.91                | 513,132                                      |
| 397.0                                         | COMMUNICATION EQUIPMENT<br>FULLY ACCRUED<br>AMORTIZED          | 15-SQ                    | 0                                | 146,419.39<br>8,673,984.51                     | 0<br>578,555                               | -<br>6.67           | 146,419<br>4,651,428                         |
|                                               | TOTAL ACCOUNT 397                                              |                          |                                  | 8,820,403.90                                   | 578,555                                    | 6.56                | 4,797,847                                    |
| 398.0                                         | MISCELLANEOUS EQUIPMENT                                        | 20-SQ                    | 0                                | 930,898.41                                     | 46,545                                     | 5.00                | 480,526                                      |
|                                               | TOTAL GENERAL PLANT                                            |                          |                                  | 36,033,978.03                                  | 1,633,285                                  | 4.53                | 17,300,892                                   |
|                                               | TOTAL DEPRECIABLE PLANT                                        |                          |                                  | 1,034,036,555.21                               | 32,659,694                                 | 3.16                | 408,807,601                                  |
| NONDEPRECIABLE PLANT AND ACCOUNTS NOT STUDIED |                                                                |                          |                                  |                                                |                                            |                     |                                              |
| 301.0                                         | ORGANIZATION                                                   |                          |                                  | 496,458.00                                     |                                            |                     |                                              |
| 303.0                                         | MISCELLANEOUS INTANGIBLE PLANT                                 |                          |                                  | 20,716,970.00                                  |                                            |                     |                                              |
| 304.1                                         | LAND                                                           |                          |                                  | 191,606.00                                     |                                            |                     |                                              |
| 365.1                                         | LAND AND LAND RIGHTS                                           |                          |                                  | 1,297,302.00                                   |                                            |                     |                                              |
| 374.1                                         | LAND                                                           |                          |                                  | 232,592.00                                     |                                            |                     |                                              |
|                                               | TOTAL NONDEPRECIABLE PLANT                                     |                          |                                  | 22,934,928.00                                  |                                            |                     |                                              |
|                                               | TOTAL GAS PLANT                                                |                          |                                  | 1,056,971,483.21                               | 32,659,694                                 |                     |                                              |

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## PART VII. SERVICE LIFE STATISTICS

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 311.1 LIQUEFIED PETROLEUM GAS EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.1 LIQUEFIED PETROLEUM GAS EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1948-2012

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 945,841                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 945,841                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 1,053,066                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 1,142,635                                    | 10,880                                | 0.0095         | 0.9905        | 100.00                           |
| 3.5                            | 884,094                                      |                                       | 0.0000         | 1.0000        | 99.05                            |
| 4.5                            | 1,022,133                                    |                                       | 0.0000         | 1.0000        | 99.05                            |
| 5.5                            | 1,031,448                                    | 48,188                                | 0.0467         | 0.9533        | 99.05                            |
| 6.5                            | 1,062,352                                    | 143,818                               | 0.1354         | 0.8646        | 94.42                            |
| 7.5                            | 900,915                                      | 46,716                                | 0.0519         | 0.9481        | 81.64                            |
| 8.5                            | 886,592                                      |                                       | 0.0000         | 1.0000        | 77.40                            |
| 9.5                            | 886,592                                      |                                       | 0.0000         | 1.0000        | 77.40                            |
| 10.5                           | 886,592                                      |                                       | 0.0000         | 1.0000        | 77.40                            |
| 11.5                           | 886,592                                      |                                       | 0.0000         | 1.0000        | 77.40                            |
| 12.5                           | 886,592                                      |                                       | 0.0000         | 1.0000        | 77.40                            |
| 13.5                           | 760,172                                      |                                       | 0.0000         | 1.0000        | 77.40                            |
| 14.5                           | 760,172                                      |                                       | 0.0000         | 1.0000        | 77.40                            |
| 15.5                           | 760,172                                      | 269,282                               | 0.3542         | 0.6458        | 77.40                            |
| 16.5                           | 281,784                                      | 48,231                                | 0.1712         | 0.8288        | 49.99                            |
| 17.5                           | 185,322                                      | 9,645                                 | 0.0520         | 0.9480        | 41.43                            |
| 18.5                           | 155,435                                      | 53,187                                | 0.3422         | 0.6578        | 39.27                            |
| 19.5                           | 76,344                                       |                                       | 0.0000         | 1.0000        | 25.83                            |
| 20.5                           | 76,344                                       | 49,436                                | 0.6475         | 0.3525        | 25.83                            |
| 21.5                           | 19,245                                       |                                       | 0.0000         | 1.0000        | 9.11                             |
| 22.5                           | 19,245                                       |                                       | 0.0000         | 1.0000        | 9.11                             |
| 23.5                           | 19,245                                       |                                       | 0.0000         | 1.0000        | 9.11                             |
| 24.5                           | 19,245                                       |                                       | 0.0000         | 1.0000        | 9.11                             |
| 25.5                           | 22,175                                       |                                       | 0.0000         | 1.0000        | 9.11                             |
| 26.5                           | 22,175                                       |                                       | 0.0000         | 1.0000        | 9.11                             |
| 27.5                           | 764,703                                      |                                       | 0.0000         | 1.0000        | 9.11                             |
| 28.5                           | 764,703                                      |                                       | 0.0000         | 1.0000        | 9.11                             |
| 29.5                           | 764,703                                      |                                       | 0.0000         | 1.0000        | 9.11                             |
| 30.5                           | 765,196                                      |                                       | 0.0000         | 1.0000        | 9.11                             |
| 31.5                           | 779,841                                      |                                       | 0.0000         | 1.0000        | 9.11                             |
| 32.5                           | 781,374                                      | 27,268                                | 0.0349         | 0.9651        | 9.11                             |
| 33.5                           | 754,105                                      | 19,245                                | 0.0255         | 0.9745        | 8.79                             |
| 34.5                           | 754,700                                      |                                       | 0.0000         | 1.0000        | 8.56                             |
| 35.5                           | 754,700                                      |                                       | 0.0000         | 1.0000        | 8.56                             |
| 36.5                           | 764,622                                      |                                       | 0.0000         | 1.0000        | 8.56                             |
| 37.5                           | 770,901                                      | 2,930                                 | 0.0038         | 0.9962        | 8.56                             |
| 38.5                           | 776,524                                      | 110                                   | 0.0001         | 0.9999        | 8.53                             |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.1 LIQUEFIED PETROLEUM GAS EQUIPMENT

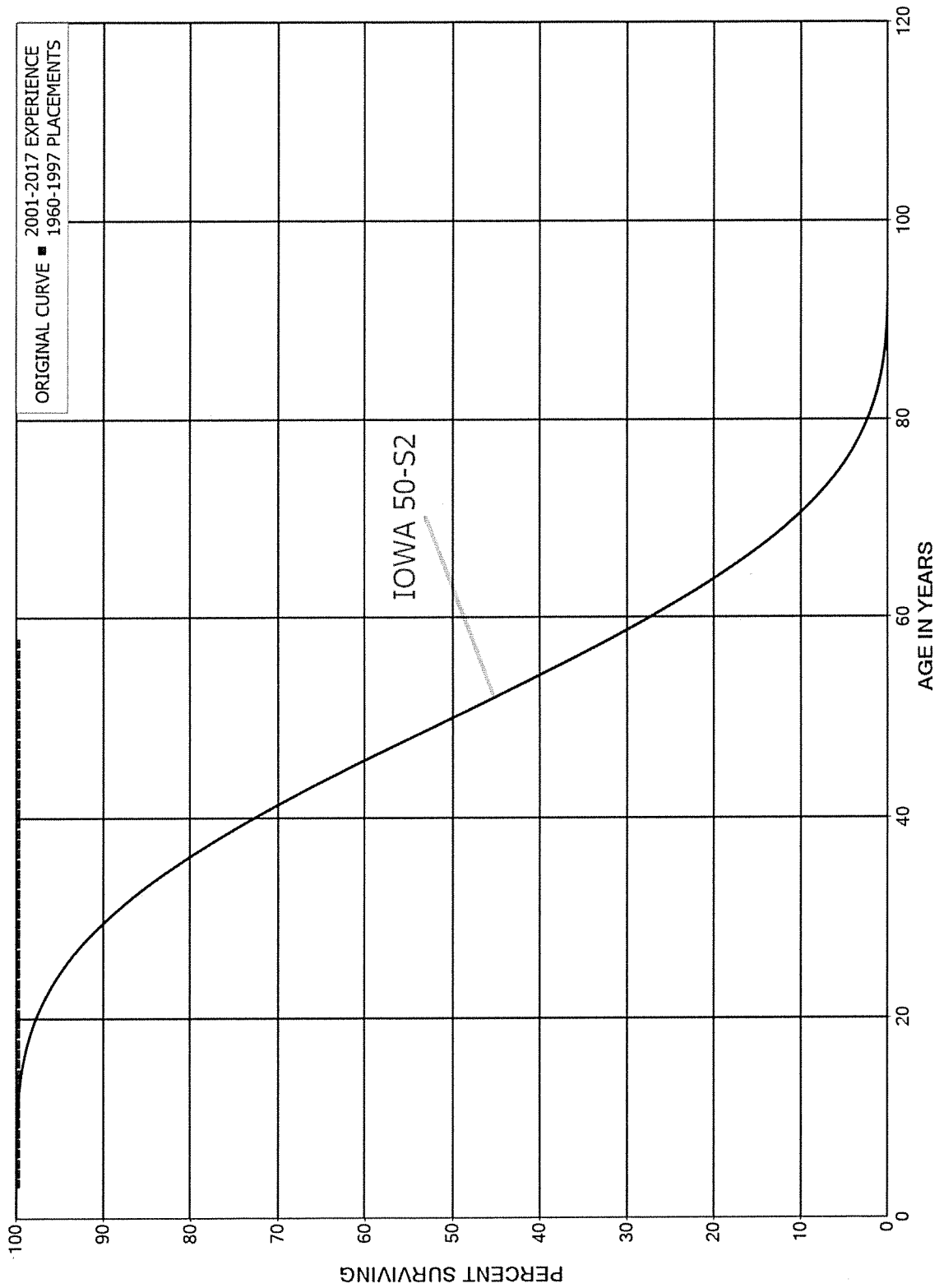
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1948-2012

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 778,625                                      | 717,917                               | 0.9220         | 0.0780        | 8.53                             |
| 40.5                           | 1,140,247                                    |                                       | 0.0000         | 1.0000        | 0.67                             |
| 41.5                           | 1,140,247                                    |                                       | 0.0000         | 1.0000        | 0.67                             |
| 42.5                           | 1,138,975                                    | 493                                   | 0.0004         | 0.9996        | 0.67                             |
| 43.5                           | 1,138,483                                    | 7,273                                 | 0.0064         | 0.9936        | 0.66                             |
| 44.5                           | 1,123,837                                    | 767                                   | 0.0007         | 0.9993        | 0.66                             |
| 45.5                           | 1,122,228                                    |                                       | 0.0000         | 1.0000        | 0.66                             |
| 46.5                           | 1,033,300                                    | 19,840                                | 0.0192         | 0.9808        | 0.66                             |
| 47.5                           | 1,013,460                                    |                                       | 0.0000         | 1.0000        | 0.65                             |
| 48.5                           | 1,013,460                                    |                                       | 0.0000         | 1.0000        | 0.65                             |
| 49.5                           | 1,004,810                                    | 45,673                                | 0.0455         | 0.9545        | 0.65                             |
| 50.5                           | 956,312                                      | 5,579                                 | 0.0058         | 0.9942        | 0.62                             |
| 51.5                           | 950,732                                      | 3,669                                 | 0.0039         | 0.9961        | 0.61                             |
| 52.5                           | 946,934                                      | 506,447                               | 0.5348         | 0.4652        | 0.61                             |
| 53.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 54.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 55.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 56.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 57.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 58.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 59.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 60.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 61.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 62.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 63.5                           | 616                                          |                                       | 0.0000         | 1.0000        | 0.28                             |
| 64.5                           | 616                                          | 433                                   | 0.7020         | 0.2980        | 0.28                             |
| 65.5                           |                                              |                                       |                |               | 0.08                             |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 311.3 LIQUEFIED PETROLEUM GAS EQUIPMENT - SUPPLY LINES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.3 LIQUEFIED PETROLEUM GAS EQUIPMENT - SUPPLY LINES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1960-1997

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            |                                              |                                       |                |               |                                  |
| 0.5                            |                                              |                                       |                |               |                                  |
| 1.5                            |                                              |                                       |                |               |                                  |
| 2.5                            |                                              |                                       |                |               |                                  |
| 3.5                            | 52,199                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 52,199                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 52,199                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 10.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 11.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 12.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 13.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 14.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 15.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 16.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 17.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 18.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 19.5                           | 54,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 20.5                           | 11,759                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 21.5                           | 11,759                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 22.5                           | 17,941                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 23.5                           | 15,588                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 24.5                           | 15,588                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 25.5                           | 15,645                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 26.5                           | 20,410                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 27.5                           | 20,410                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 28.5                           | 20,410                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 29.5                           | 20,410                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 30.5                           | 39,883                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 31.5                           | 69,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 32.5                           | 69,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 33.5                           | 69,551                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 34.5                           | 74,982                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 35.5                           | 74,982                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 36.5                           | 74,982                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 37.5                           | 65,575                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 38.5                           | 65,575                                       |                                       | 0.0000         | 1.0000        | 100.00                           |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.3 LIQUEFIED PETROLEUM GAS EQUIPMENT - SUPPLY LINES

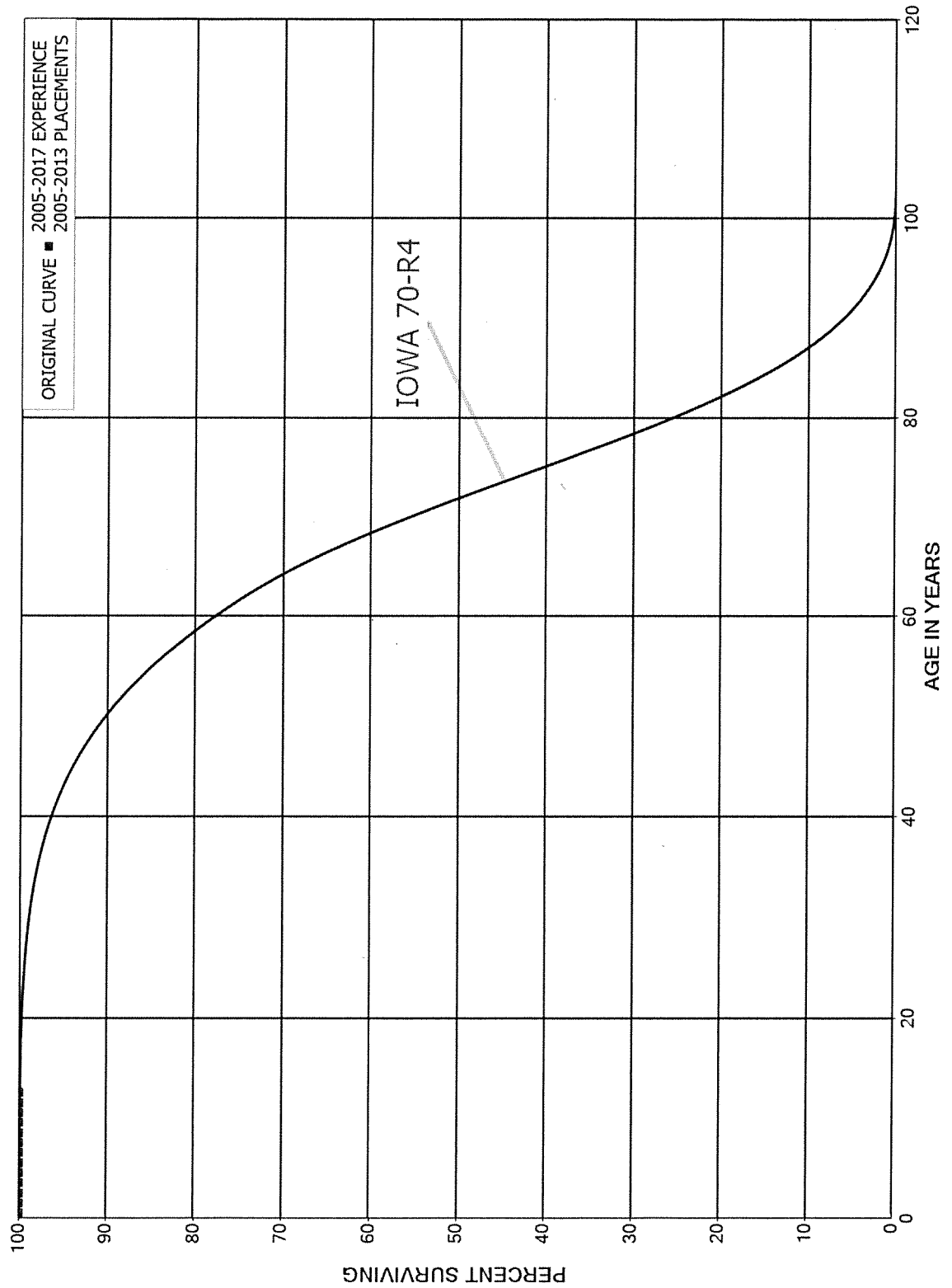
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1960-1997

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 59,394                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 40.5                           | 927,680                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 41.5                           | 927,680                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 42.5                           | 927,623                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 43.5                           | 922,859                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 44.5                           | 918,463                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 45.5                           | 918,463                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 46.5                           | 895,551                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 47.5                           | 876,078                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 48.5                           | 850,805                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 49.5                           | 850,805                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 50.5                           | 850,805                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 51.5                           | 845,374                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 52.5                           | 1,003,330                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 53.5                           | 718,465                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 54.5                           | 718,465                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 55.5                           | 718,465                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 56.5                           | 718,465                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 57.5                           |                                              |                                       |                |               | 100.00                           |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 365.2 RIGHTS OF WAY  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 365.2 RIGHTS OF WAY

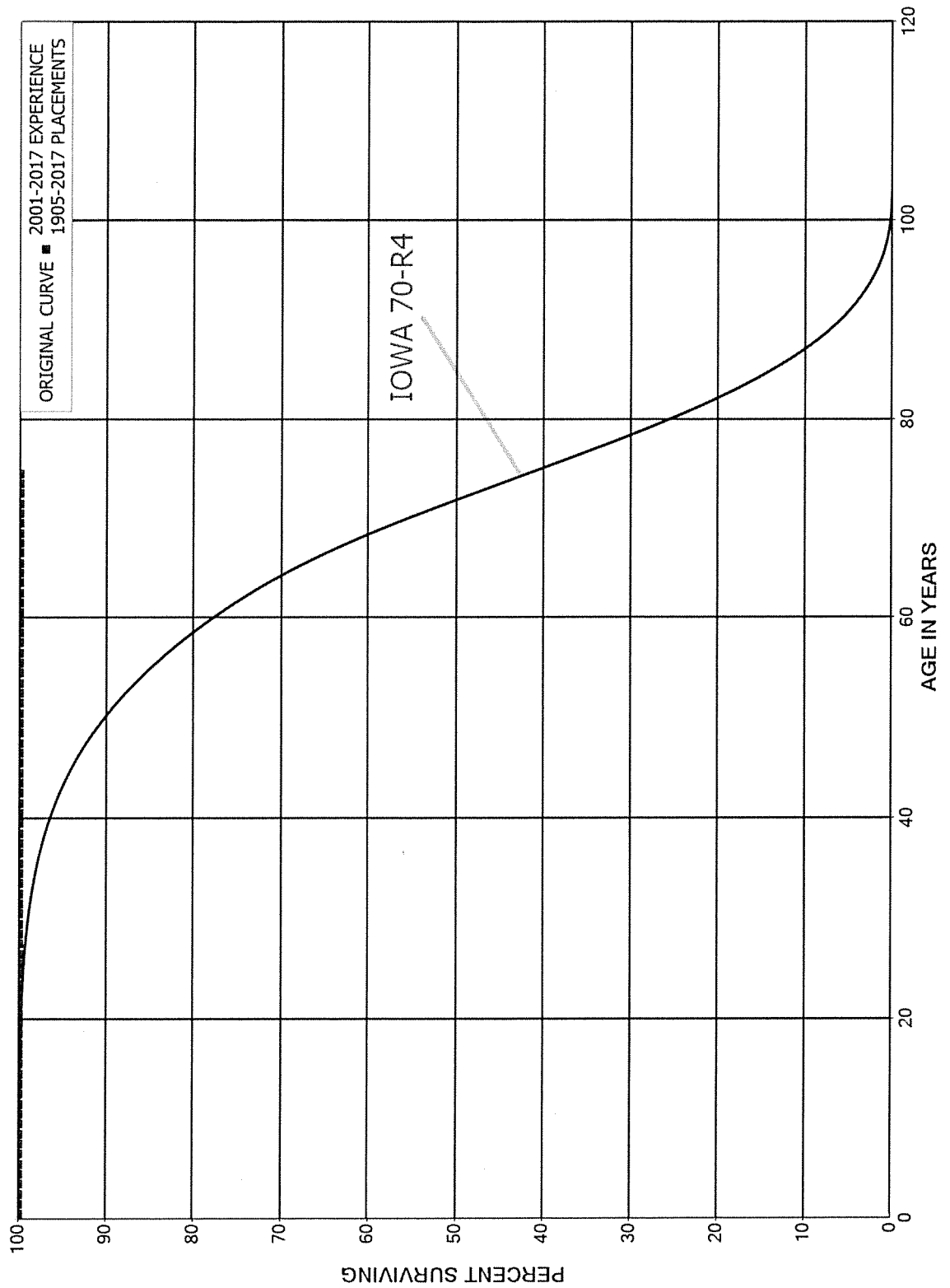
ORIGINAL LIFE TABLE

PLACEMENT BAND 2005-2013

EXPERIENCE BAND 2005-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 81,689                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 81,689                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 81,689                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 81,689                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 81,689                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 45,172                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 45,172                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 45,172                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 45,172                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 38,477                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 38,477                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 10.5                           | 29,611                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 11.5                           | 29,611                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 12.5                           |                                              |                                       |                |               | 100.00                           |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 374.2 LAND RIGHTS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 374.2 LAND RIGHTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 450,270                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 514,650                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 716,826                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 824,587                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 829,843                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 989,688                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 1,204,893                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 1,288,970                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 1,460,332                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 1,411,167                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 1,574,793                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 10.5                           | 1,682,516                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 11.5                           | 1,797,354                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 12.5                           | 1,827,751                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 13.5                           | 1,904,446                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 14.5                           | 1,980,561                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 15.5                           | 2,119,706                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 16.5                           | 2,214,347                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 17.5                           | 2,259,818                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 18.5                           | 2,136,896                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 19.5                           | 2,049,336                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 20.5                           | 1,971,543                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 21.5                           | 1,819,471                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 22.5                           | 1,615,873                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 23.5                           | 1,536,716                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 24.5                           | 1,377,260                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 25.5                           | 1,263,147                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 26.5                           | 1,105,041                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 27.5                           | 1,025,278                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 28.5                           | 984,201                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 29.5                           | 1,007,703                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 30.5                           | 1,053,962                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 31.5                           | 1,050,003                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 32.5                           | 1,023,726                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 33.5                           | 962,674                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 34.5                           | 901,880                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 35.5                           | 869,315                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 36.5                           | 880,666                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 37.5                           | 888,169                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 38.5                           | 912,557                                      |                                       | 0.0000         | 1.0000        | 100.00                           |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 374.2 LAND RIGHTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 944,736                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 40.5                           | 1,001,556                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 41.5                           | 1,015,068                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 42.5                           | 1,038,738                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 43.5                           | 1,053,103                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 44.5                           | 1,052,469                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 45.5                           | 985,809                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 46.5                           | 898,169                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 47.5                           | 783,757                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 48.5                           | 719,622                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 49.5                           | 629,011                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 50.5                           | 659,881                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 51.5                           | 591,666                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 52.5                           | 547,773                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 53.5                           | 504,837                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 54.5                           | 429,534                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 55.5                           | 381,865                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 56.5                           | 338,078                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 57.5                           | 276,338                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 58.5                           | 250,977                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 59.5                           | 211,147                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 60.5                           | 185,598                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 61.5                           | 158,041                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 62.5                           | 144,040                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 63.5                           | 129,947                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 64.5                           | 111,904                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 65.5                           | 105,253                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 66.5                           | 82,997                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 67.5                           | 18,538                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 68.5                           | 16,071                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 69.5                           | 13,488                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 70.5                           | 9,136                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 71.5                           | 2,967                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 72.5                           | 2,967                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 73.5                           | 4,684                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 74.5                           | 13,978                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 75.5                           | 20,550                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 76.5                           | 20,330                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 77.5                           | 20,330                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 78.5                           | 23,939                                       |                                       | 0.0000         | 1.0000        | 100.00                           |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 374.2 LAND RIGHTS

ORIGINAL LIFE TABLE, CONT.

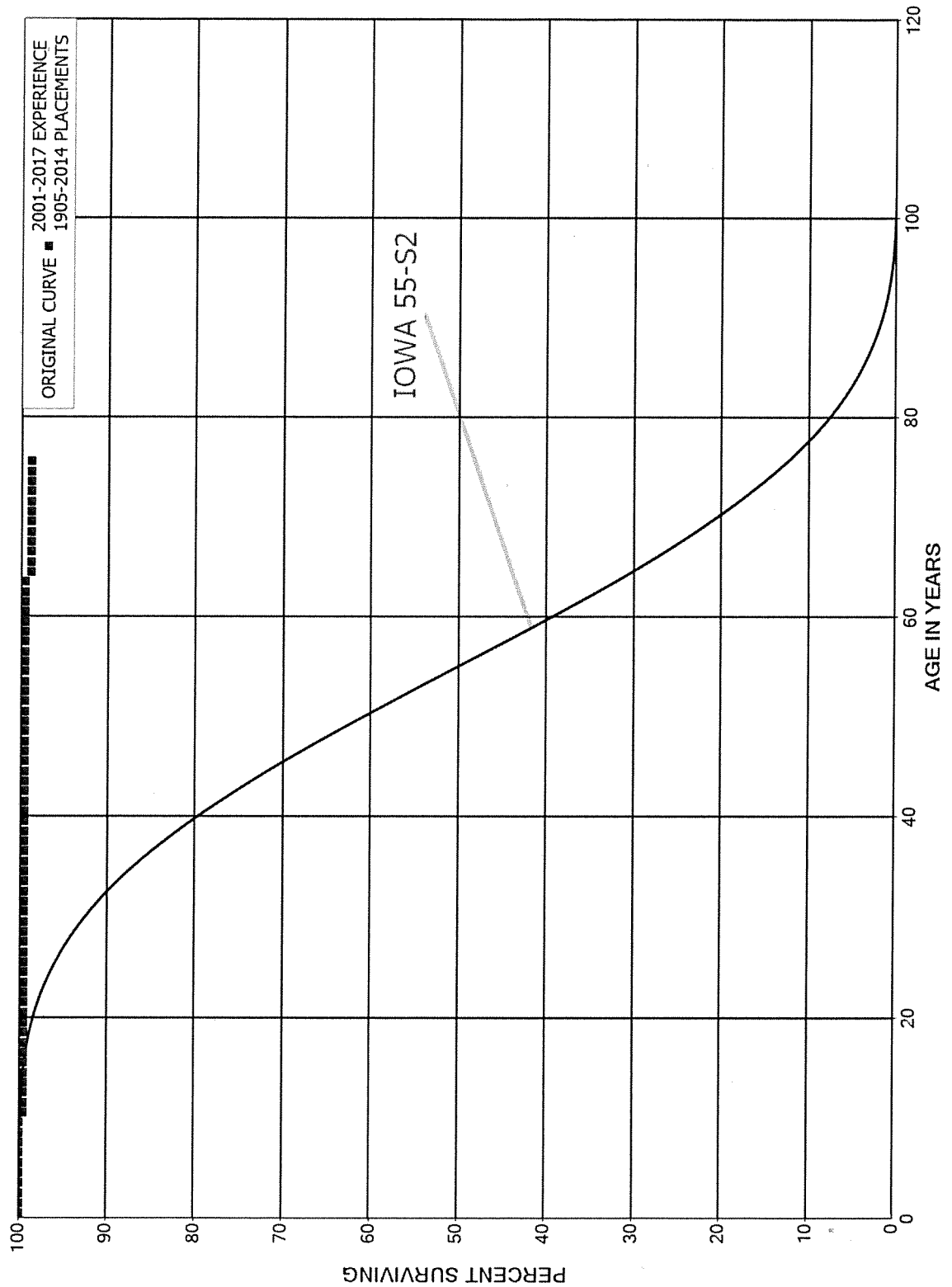
PLACEMENT BAND 1905-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 79.5                           | 23,523                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 80.5                           | 23,446                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 81.5                           | 23,296                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 82.5                           | 21,926                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 83.5                           | 22,321                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 84.5                           | 22,321                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 85.5                           | 22,321                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 86.5                           | 22,804                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 87.5                           | 34,216                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 88.5                           | 34,216                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 89.5                           | 34,216                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 90.5                           | 32,500                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 91.5                           | 23,205                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 92.5                           | 16,577                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 93.5                           | 16,577                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 94.5                           | 17,315                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 95.5                           | 15,370                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 96.5                           | 15,370                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 97.5                           | 15,370                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 98.5                           | 15,370                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 99.5                           | 15,370                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 100.5                          | 14,975                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 101.5                          | 14,975                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 102.5                          | 14,975                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 103.5                          | 14,280                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 104.5                          | 2,402                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 105.5                          | 2,402                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 106.5                          | 2,402                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 107.5                          | 2,402                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 108.5                          | 2,402                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 109.5                          | 2,402                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 110.5                          | 2,402                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 111.5                          | 1,664                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 112.5                          |                                              |                                       |                |               | 100.00                           |



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 366.2 AND 375.0 STRUCTURES AND IMPROVEMENTS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 366.2 AND 375.0 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2014

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 185,252                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 195,333                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 213,852                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 229,924                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 200,630                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 200,630                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 200,630                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 232,563                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 240,694                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 323,276                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 534,576                                      | 2,426                                 | 0.0045         | 0.9955        | 100.00                           |
| 10.5                           | 528,607                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 11.5                           | 432,767                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 12.5                           | 419,760                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 13.5                           | 419,760                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 14.5                           | 421,874                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 15.5                           | 421,874                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 16.5                           | 427,645                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 17.5                           | 420,498                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 18.5                           | 413,690                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 19.5                           | 403,200                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 20.5                           | 414,892                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 21.5                           | 415,399                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 22.5                           | 416,270                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 23.5                           | 392,786                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 24.5                           | 384,655                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 25.5                           | 296,039                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 26.5                           | 84,739                                       |                                       | 0.0000         | 1.0000        | 99.55                            |
| 27.5                           | 61,862                                       |                                       | 0.0000         | 1.0000        | 99.55                            |
| 28.5                           | 62,765                                       |                                       | 0.0000         | 1.0000        | 99.55                            |
| 29.5                           | 83,923                                       |                                       | 0.0000         | 1.0000        | 99.55                            |
| 30.5                           | 104,493                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 31.5                           | 111,767                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 32.5                           | 127,220                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 33.5                           | 115,009                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 34.5                           | 120,018                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 35.5                           | 118,054                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 36.5                           | 118,697                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 37.5                           | 115,003                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 38.5                           | 126,235                                      |                                       | 0.0000         | 1.0000        | 99.55                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 366.2 AND 375.0 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2014

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 129,810                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 40.5                           | 139,636                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 41.5                           | 147,411                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 42.5                           | 166,903                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 43.5                           | 179,658                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 44.5                           | 186,205                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 45.5                           | 195,333                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 46.5                           | 182,125                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 47.5                           | 183,343                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 48.5                           | 194,168                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 49.5                           | 191,274                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 50.5                           | 206,139                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 51.5                           | 202,685                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 52.5                           | 194,663                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 53.5                           | 188,439                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 54.5                           | 175,960                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 55.5                           | 164,222                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 56.5                           | 159,777                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 57.5                           | 142,522                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 58.5                           | 136,109                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 59.5                           | 117,953                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 60.5                           | 105,197                                      |                                       | 0.0000         | 1.0000        | 99.55                            |
| 61.5                           | 98,795                                       |                                       | 0.0000         | 1.0000        | 99.55                            |
| 62.5                           | 88,884                                       |                                       | 0.0000         | 1.0000        | 99.55                            |
| 63.5                           | 80,935                                       | 558                                   | 0.0069         | 0.9931        | 99.55                            |
| 64.5                           | 58,587                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 65.5                           | 38,375                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 66.5                           | 25,955                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 67.5                           | 9,778                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 68.5                           | 5,289                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 69.5                           | 4,618                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 70.5                           | 4,618                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 71.5                           | 6,298                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 72.5                           | 6,846                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 73.5                           | 8,063                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 74.5                           | 7,042                                        |                                       | 0.0000         | 1.0000        | 98.86                            |
| 75.5                           | 13,399                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 76.5                           | 12,064                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 77.5                           | 12,064                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 78.5                           | 11,920                                       |                                       | 0.0000         | 1.0000        | 98.86                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 366.2 AND 375.0 STRUCTURES AND IMPROVEMENTS

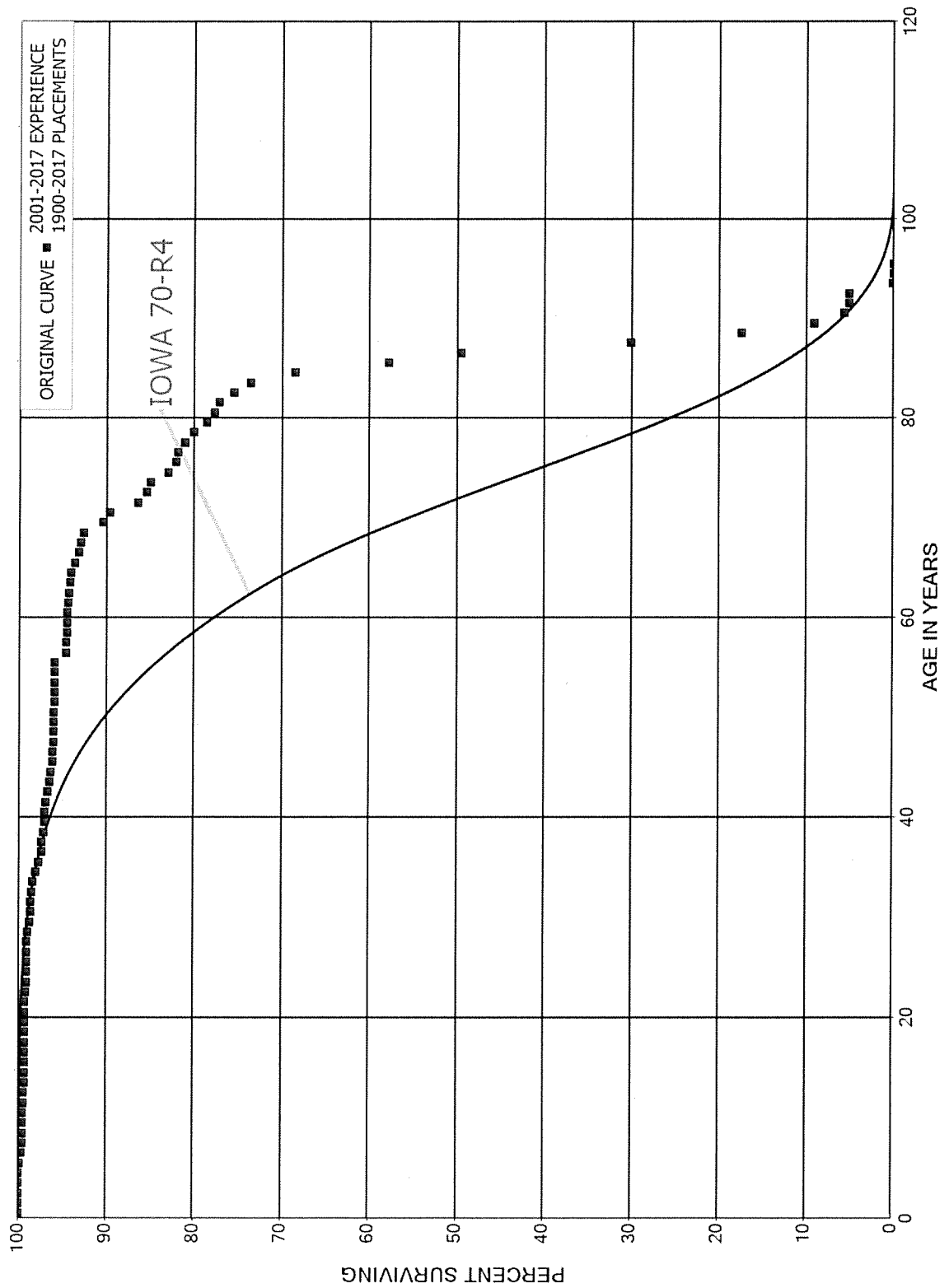
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2014

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 79.5                           | 11,800                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 80.5                           | 13,475                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 81.5                           | 13,475                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 82.5                           | 15,938                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 83.5                           | 15,799                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 84.5                           | 15,799                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 85.5                           | 15,799                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 86.5                           | 15,804                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 87.5                           | 16,043                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 88.5                           | 14,363                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 89.5                           | 13,815                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 90.5                           | 12,598                                       |                                       | 0.0000         | 1.0000        | 98.86                            |
| 91.5                           | 12,598                                       | 512                                   | 0.0407         | 0.9593        | 98.86                            |
| 92.5                           | 4,925                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 93.5                           | 4,925                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 94.5                           | 4,925                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 95.5                           | 5,521                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 96.5                           | 5,521                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 97.5                           | 3,846                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 98.5                           | 3,846                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 99.5                           | 1,383                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 100.5                          | 1,383                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 101.5                          | 1,383                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 102.5                          | 1,383                                        |                                       | 0.0000         | 1.0000        | 94.84                            |
| 103.5                          | 836                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 104.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 105.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 106.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 107.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 108.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 109.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 110.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 111.5                          | 597                                          |                                       | 0.0000         | 1.0000        | 94.84                            |
| 112.5                          |                                              |                                       |                |               | 94.84                            |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 367.0, 376.0 AND 376.1 MAINS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 367.0, 376.0 AND 376.1 MAINS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 286,974,499                                  |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 279,619,917                                  |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 234,406,926                                  | 39,858                                | 0.0002         | 0.9998        | 100.00                           |
| 2.5                            | 193,950,836                                  | 8,327                                 | 0.0000         | 1.0000        | 99.98                            |
| 3.5                            | 168,173,325                                  | 1,640                                 | 0.0000         | 1.0000        | 99.98                            |
| 4.5                            | 153,139,223                                  | 226,166                               | 0.0015         | 0.9985        | 99.98                            |
| 5.5                            | 136,095,947                                  | 250,857                               | 0.0018         | 0.9982        | 99.83                            |
| 6.5                            | 125,656,999                                  | 164,758                               | 0.0013         | 0.9987        | 99.65                            |
| 7.5                            | 118,291,498                                  | 16,055                                | 0.0001         | 0.9999        | 99.52                            |
| 8.5                            | 107,871,590                                  | 21,047                                | 0.0002         | 0.9998        | 99.50                            |
| 9.5                            | 107,524,088                                  | 6,621                                 | 0.0001         | 0.9999        | 99.48                            |
| 10.5                           | 88,854,712                                   | 60,605                                | 0.0007         | 0.9993        | 99.48                            |
| 11.5                           | 89,544,415                                   | 27,558                                | 0.0003         | 0.9997        | 99.41                            |
| 12.5                           | 90,643,192                                   | 57,756                                | 0.0006         | 0.9994        | 99.38                            |
| 13.5                           | 88,934,702                                   | 8,047                                 | 0.0001         | 0.9999        | 99.31                            |
| 14.5                           | 84,266,953                                   |                                       | 0.0000         | 1.0000        | 99.31                            |
| 15.5                           | 79,486,014                                   | 169                                   | 0.0000         | 1.0000        | 99.31                            |
| 16.5                           | 82,871,029                                   | 10,834                                | 0.0001         | 0.9999        | 99.31                            |
| 17.5                           | 82,634,653                                   | 10,255                                | 0.0001         | 0.9999        | 99.29                            |
| 18.5                           | 80,206,471                                   |                                       | 0.0000         | 1.0000        | 99.28                            |
| 19.5                           | 79,663,627                                   | 17,790                                | 0.0002         | 0.9998        | 99.28                            |
| 20.5                           | 78,108,811                                   |                                       | 0.0000         | 1.0000        | 99.26                            |
| 21.5                           | 74,605,727                                   | 68,288                                | 0.0009         | 0.9991        | 99.26                            |
| 22.5                           | 70,258,875                                   | 44,540                                | 0.0006         | 0.9994        | 99.17                            |
| 23.5                           | 66,130,535                                   | 13,636                                | 0.0002         | 0.9998        | 99.10                            |
| 24.5                           | 61,391,949                                   | 6,900                                 | 0.0001         | 0.9999        | 99.08                            |
| 25.5                           | 56,881,821                                   | 9,109                                 | 0.0002         | 0.9998        | 99.07                            |
| 26.5                           | 52,396,261                                   | 2,595                                 | 0.0000         | 1.0000        | 99.06                            |
| 27.5                           | 49,836,006                                   | 51,992                                | 0.0010         | 0.9990        | 99.05                            |
| 28.5                           | 46,633,615                                   | 87,299                                | 0.0019         | 0.9981        | 98.95                            |
| 29.5                           | 41,223,924                                   | 55,584                                | 0.0013         | 0.9987        | 98.76                            |
| 30.5                           | 41,500,840                                   | 7,903                                 | 0.0002         | 0.9998        | 98.63                            |
| 31.5                           | 40,646,295                                   | 48,303                                | 0.0012         | 0.9988        | 98.61                            |
| 32.5                           | 41,107,362                                   | 50,809                                | 0.0012         | 0.9988        | 98.49                            |
| 33.5                           | 40,160,197                                   | 135,274                               | 0.0034         | 0.9966        | 98.37                            |
| 34.5                           | 38,663,768                                   | 130,175                               | 0.0034         | 0.9966        | 98.04                            |
| 35.5                           | 38,221,367                                   | 108,762                               | 0.0028         | 0.9972        | 97.71                            |
| 36.5                           | 39,032,488                                   | 33,028                                | 0.0008         | 0.9992        | 97.43                            |
| 37.5                           | 37,566,294                                   | 71,728                                | 0.0019         | 0.9981        | 97.35                            |
| 38.5                           | 39,580,673                                   | 31,931                                | 0.0008         | 0.9992        | 97.16                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 367.0, 376.0 AND 376.1 MAINS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 41,169,055                                   | 21,487                                | 0.0005         | 0.9995        | 97.09                            |
| 40.5                           | 44,232,304                                   | 52,314                                | 0.0012         | 0.9988        | 97.04                            |
| 41.5                           | 45,714,107                                   | 76,195                                | 0.0017         | 0.9983        | 96.92                            |
| 42.5                           | 46,922,232                                   | 109,616                               | 0.0023         | 0.9977        | 96.76                            |
| 43.5                           | 49,245,989                                   | 96,668                                | 0.0020         | 0.9980        | 96.53                            |
| 44.5                           | 51,259,691                                   | 67,218                                | 0.0013         | 0.9987        | 96.34                            |
| 45.5                           | 50,085,675                                   | 16,880                                | 0.0003         | 0.9997        | 96.22                            |
| 46.5                           | 50,742,853                                   | 39,955                                | 0.0008         | 0.9992        | 96.18                            |
| 47.5                           | 47,700,143                                   | 3,602                                 | 0.0001         | 0.9999        | 96.11                            |
| 48.5                           | 47,412,599                                   | 38,123                                | 0.0008         | 0.9992        | 96.10                            |
| 49.5                           | 46,269,640                                   | 6,292                                 | 0.0001         | 0.9999        | 96.02                            |
| 50.5                           | 44,656,529                                   | 2,476                                 | 0.0001         | 0.9999        | 96.01                            |
| 51.5                           | 42,181,234                                   | 2,820                                 | 0.0001         | 0.9999        | 96.01                            |
| 52.5                           | 39,569,421                                   | 5,562                                 | 0.0001         | 0.9999        | 96.00                            |
| 53.5                           | 36,553,005                                   | 14,263                                | 0.0004         | 0.9996        | 95.99                            |
| 54.5                           | 33,989,143                                   | 12,294                                | 0.0004         | 0.9996        | 95.95                            |
| 55.5                           | 30,783,587                                   | 417,853                               | 0.0136         | 0.9864        | 95.91                            |
| 56.5                           | 27,959,717                                   | 15,376                                | 0.0005         | 0.9995        | 94.61                            |
| 57.5                           | 24,433,875                                   | 2,579                                 | 0.0001         | 0.9999        | 94.56                            |
| 58.5                           | 21,843,926                                   | 5,078                                 | 0.0002         | 0.9998        | 94.55                            |
| 59.5                           | 20,015,841                                   | 8,962                                 | 0.0004         | 0.9996        | 94.53                            |
| 60.5                           | 16,861,202                                   | 19,425                                | 0.0012         | 0.9988        | 94.49                            |
| 61.5                           | 13,799,749                                   | 8,649                                 | 0.0006         | 0.9994        | 94.38                            |
| 62.5                           | 11,815,915                                   | 19,520                                | 0.0017         | 0.9983        | 94.32                            |
| 63.5                           | 9,217,639                                    | 13,967                                | 0.0015         | 0.9985        | 94.16                            |
| 64.5                           | 8,118,451                                    | 31,016                                | 0.0038         | 0.9962        | 94.02                            |
| 65.5                           | 6,046,039                                    | 34,681                                | 0.0057         | 0.9943        | 93.66                            |
| 66.5                           | 3,843,798                                    | 8,420                                 | 0.0022         | 0.9978        | 93.12                            |
| 67.5                           | 2,346,054                                    | 6,648                                 | 0.0028         | 0.9972        | 92.92                            |
| 68.5                           | 2,123,854                                    | 52,571                                | 0.0248         | 0.9752        | 92.66                            |
| 69.5                           | 1,839,509                                    | 14,755                                | 0.0080         | 0.9920        | 90.36                            |
| 70.5                           | 1,526,484                                    | 54,820                                | 0.0359         | 0.9641        | 89.64                            |
| 71.5                           | 1,429,425                                    | 16,406                                | 0.0115         | 0.9885        | 86.42                            |
| 72.5                           | 2,021,953                                    | 11,610                                | 0.0057         | 0.9943        | 85.43                            |
| 73.5                           | 2,146,539                                    | 50,037                                | 0.0233         | 0.9767        | 84.94                            |
| 74.5                           | 2,232,093                                    | 23,821                                | 0.0107         | 0.9893        | 82.96                            |
| 75.5                           | 3,473,660                                    | 9,845                                 | 0.0028         | 0.9972        | 82.07                            |
| 76.5                           | 3,308,455                                    | 31,964                                | 0.0097         | 0.9903        | 81.84                            |
| 77.5                           | 3,159,282                                    | 37,395                                | 0.0118         | 0.9882        | 81.05                            |
| 78.5                           | 3,067,035                                    | 58,083                                | 0.0189         | 0.9811        | 80.09                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 367.0, 376.0 AND 376.1 MAINS

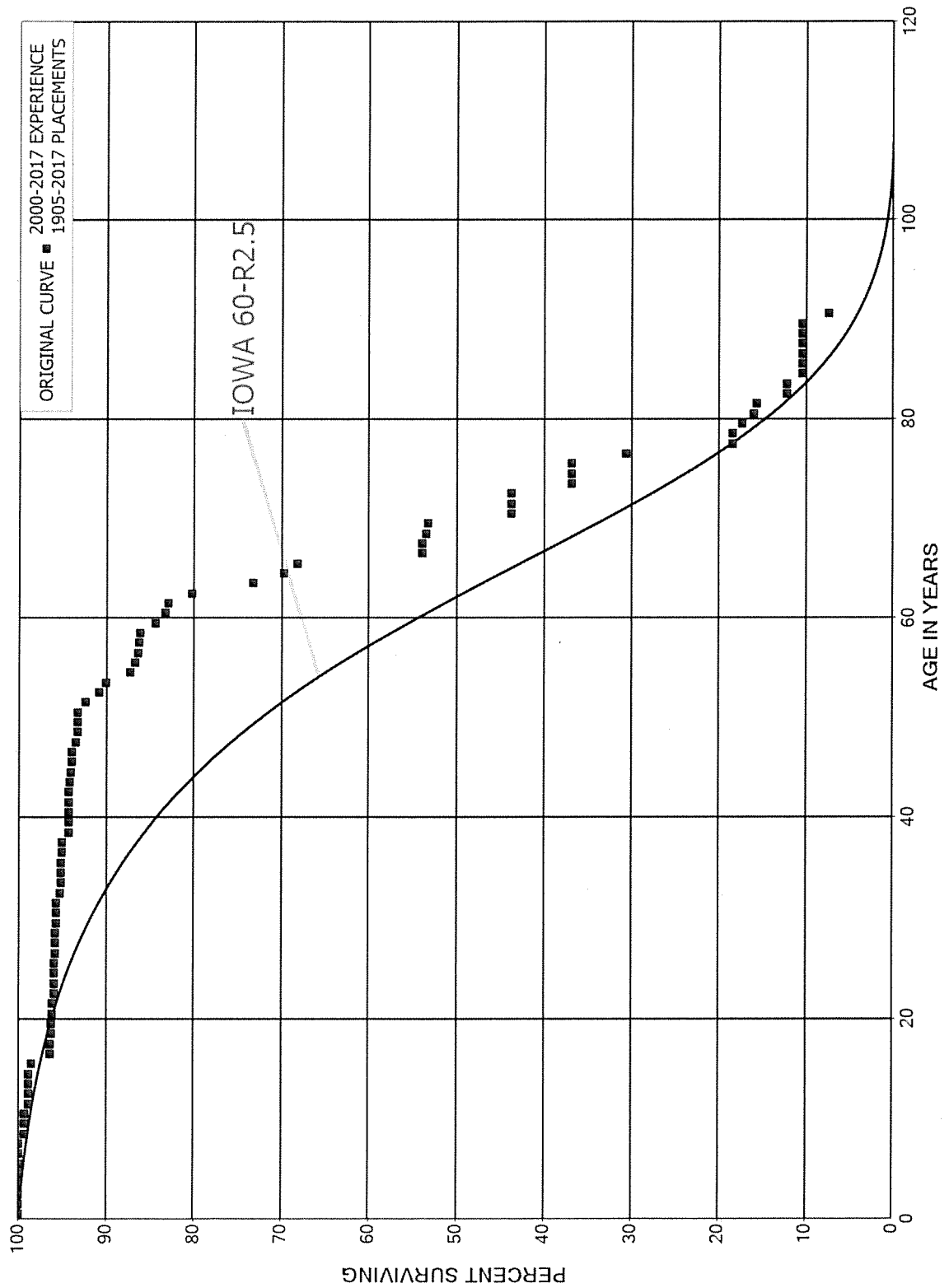
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 79.5                           | 2,951,910                                    | 29,870                                | 0.0101         | 0.9899        | 78.57                            |
| 80.5                           | 2,888,969                                    | 22,705                                | 0.0079         | 0.9921        | 77.78                            |
| 81.5                           | 2,836,282                                    | 62,909                                | 0.0222         | 0.9778        | 77.17                            |
| 82.5                           | 2,741,595                                    | 68,633                                | 0.0250         | 0.9750        | 75.45                            |
| 83.5                           | 2,838,057                                    | 193,435                               | 0.0682         | 0.9318        | 73.56                            |
| 84.5                           | 3,106,919                                    | 485,807                               | 0.1564         | 0.8436        | 68.55                            |
| 85.5                           | 2,764,900                                    | 399,887                               | 0.1446         | 0.8554        | 57.83                            |
| 86.5                           | 3,032,893                                    | 1,186,757                             | 0.3913         | 0.6087        | 49.47                            |
| 87.5                           | 3,148,376                                    | 1,333,555                             | 0.4236         | 0.5764        | 30.11                            |
| 88.5                           | 2,369,468                                    | 1,132,439                             | 0.4779         | 0.5221        | 17.36                            |
| 89.5                           | 1,003,701                                    | 377,351                               | 0.3760         | 0.6240        | 9.06                             |
| 90.5                           | 648,771                                      | 63,154                                | 0.0973         | 0.9027        | 5.65                             |
| 91.5                           | 580,538                                      | 9,761                                 | 0.0168         | 0.9832        | 5.10                             |
| 92.5                           | 2,994                                        | 2,926                                 | 0.9772         | 0.0228        | 5.02                             |
| 93.5                           | 68                                           | 68                                    | 1.0000         |               | 0.11                             |
| 94.5                           | 54                                           | 54                                    | 1.0000         |               |                                  |
| 95.5                           |                                              |                                       |                |               |                                  |
| 96.5                           | 757                                          | 1                                     | 0.0016         |               |                                  |
| 97.5                           | 7,713                                        | 191                                   | 0.0247         |               |                                  |
| 98.5                           | 7,523                                        | 7,523                                 | 1.0000         |               |                                  |
| 99.5                           |                                              |                                       |                |               |                                  |
| 100.5                          | 13,176                                       | 1,086                                 | 0.0824         |               |                                  |
| 101.5                          | 12,090                                       | 12,090                                | 1.0000         |               |                                  |
| 102.5                          |                                              |                                       |                |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 369.0, 378.0 AND 379.0 MEASURING AND REGULATING STATION EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 369.0, 378.0 AND 379.0 MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2017

EXPERIENCE BAND 2000-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 16,346,733                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 16,068,659                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 13,357,897                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 12,193,380                                   | 2,172                                 | 0.0002         | 0.9998        | 100.00                           |
| 3.5                            | 11,999,996                                   |                                       | 0.0000         | 1.0000        | 99.98                            |
| 4.5                            | 9,350,272                                    | 1,669                                 | 0.0002         | 0.9998        | 99.98                            |
| 5.5                            | 7,136,980                                    | 3,371                                 | 0.0005         | 0.9995        | 99.96                            |
| 6.5                            | 7,523,287                                    |                                       | 0.0000         | 1.0000        | 99.92                            |
| 7.5                            | 6,896,861                                    | 40,243                                | 0.0058         | 0.9942        | 99.92                            |
| 8.5                            | 7,496,620                                    |                                       | 0.0000         | 1.0000        | 99.33                            |
| 9.5                            | 8,271,822                                    |                                       | 0.0000         | 1.0000        | 99.33                            |
| 10.5                           | 8,255,175                                    | 38,930                                | 0.0047         | 0.9953        | 99.33                            |
| 11.5                           | 8,506,254                                    |                                       | 0.0000         | 1.0000        | 98.87                            |
| 12.5                           | 8,338,742                                    |                                       | 0.0000         | 1.0000        | 98.87                            |
| 13.5                           | 8,279,087                                    |                                       | 0.0000         | 1.0000        | 98.87                            |
| 14.5                           | 8,101,827                                    | 28,537                                | 0.0035         | 0.9965        | 98.87                            |
| 15.5                           | 8,317,808                                    | 182,276                               | 0.0219         | 0.9781        | 98.52                            |
| 16.5                           | 8,178,766                                    |                                       | 0.0000         | 1.0000        | 96.36                            |
| 17.5                           | 8,250,152                                    | 3,849                                 | 0.0005         | 0.9995        | 96.36                            |
| 18.5                           | 8,288,260                                    |                                       | 0.0000         | 1.0000        | 96.31                            |
| 19.5                           | 8,200,629                                    | 15,003                                | 0.0018         | 0.9982        | 96.31                            |
| 20.5                           | 7,951,111                                    |                                       | 0.0000         | 1.0000        | 96.14                            |
| 21.5                           | 7,001,099                                    | 14,045                                | 0.0020         | 0.9980        | 96.14                            |
| 22.5                           | 6,739,420                                    | 458                                   | 0.0001         | 0.9999        | 95.94                            |
| 23.5                           | 5,870,034                                    |                                       | 0.0000         | 1.0000        | 95.94                            |
| 24.5                           | 5,465,700                                    | 263                                   | 0.0000         | 1.0000        | 95.94                            |
| 25.5                           | 4,948,943                                    | 6,654                                 | 0.0013         | 0.9987        | 95.93                            |
| 26.5                           | 3,458,184                                    |                                       | 0.0000         | 1.0000        | 95.80                            |
| 27.5                           | 2,782,314                                    |                                       | 0.0000         | 1.0000        | 95.80                            |
| 28.5                           | 2,580,712                                    | 2,099                                 | 0.0008         | 0.9992        | 95.80                            |
| 29.5                           | 2,318,525                                    |                                       | 0.0000         | 1.0000        | 95.73                            |
| 30.5                           | 2,209,686                                    |                                       | 0.0000         | 1.0000        | 95.73                            |
| 31.5                           | 2,273,648                                    | 11,404                                | 0.0050         | 0.9950        | 95.73                            |
| 32.5                           | 2,156,541                                    | 632                                   | 0.0003         | 0.9997        | 95.25                            |
| 33.5                           | 1,845,737                                    | 1,134                                 | 0.0006         | 0.9994        | 95.22                            |
| 34.5                           | 1,834,737                                    |                                       | 0.0000         | 1.0000        | 95.16                            |
| 35.5                           | 1,770,128                                    | 1,178                                 | 0.0007         | 0.9993        | 95.16                            |
| 36.5                           | 1,628,712                                    | 478                                   | 0.0003         | 0.9997        | 95.10                            |
| 37.5                           | 1,642,599                                    | 14,134                                | 0.0086         | 0.9914        | 95.07                            |
| 38.5                           | 1,573,214                                    |                                       | 0.0000         | 1.0000        | 94.25                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 369.0, 378.0 AND 379.0 MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2017

EXPERIENCE BAND 2000-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 1,594,731                                    |                                       | 0.0000         | 1.0000        | 94.25                            |
| 40.5                           | 1,610,078                                    | 305                                   | 0.0002         | 0.9998        | 94.25                            |
| 41.5                           | 1,617,379                                    |                                       | 0.0000         | 1.0000        | 94.23                            |
| 42.5                           | 1,646,613                                    | 785                                   | 0.0005         | 0.9995        | 94.23                            |
| 43.5                           | 1,665,370                                    | 1,909                                 | 0.0011         | 0.9989        | 94.19                            |
| 44.5                           | 1,683,651                                    | 1,582                                 | 0.0009         | 0.9991        | 94.08                            |
| 45.5                           | 1,595,790                                    | 596                                   | 0.0004         | 0.9996        | 93.99                            |
| 46.5                           | 1,410,175                                    | 6,183                                 | 0.0044         | 0.9956        | 93.96                            |
| 47.5                           | 1,335,952                                    | 3,057                                 | 0.0023         | 0.9977        | 93.54                            |
| 48.5                           | 1,262,161                                    |                                       | 0.0000         | 1.0000        | 93.33                            |
| 49.5                           | 1,113,262                                    | 856                                   | 0.0008         | 0.9992        | 93.33                            |
| 50.5                           | 1,049,368                                    | 10,125                                | 0.0096         | 0.9904        | 93.26                            |
| 51.5                           | 937,549                                      | 15,786                                | 0.0168         | 0.9832        | 92.36                            |
| 52.5                           | 848,743                                      | 6,947                                 | 0.0082         | 0.9918        | 90.80                            |
| 53.5                           | 784,476                                      | 24,050                                | 0.0307         | 0.9693        | 90.06                            |
| 54.5                           | 689,326                                      | 4,399                                 | 0.0064         | 0.9936        | 87.30                            |
| 55.5                           | 582,613                                      | 2,257                                 | 0.0039         | 0.9961        | 86.74                            |
| 56.5                           | 556,758                                      | 822                                   | 0.0015         | 0.9985        | 86.41                            |
| 57.5                           | 481,333                                      | 526                                   | 0.0011         | 0.9989        | 86.28                            |
| 58.5                           | 432,416                                      | 9,065                                 | 0.0210         | 0.9790        | 86.18                            |
| 59.5                           | 371,724                                      | 4,754                                 | 0.0128         | 0.9872        | 84.38                            |
| 60.5                           | 259,509                                      | 913                                   | 0.0035         | 0.9965        | 83.30                            |
| 61.5                           | 192,977                                      | 6,387                                 | 0.0331         | 0.9669        | 83.01                            |
| 62.5                           | 127,212                                      | 11,049                                | 0.0869         | 0.9131        | 80.26                            |
| 63.5                           | 88,467                                       | 4,318                                 | 0.0488         | 0.9512        | 73.29                            |
| 64.5                           | 44,636                                       | 953                                   | 0.0214         | 0.9786        | 69.71                            |
| 65.5                           | 11,261                                       | 2,349                                 | 0.2086         | 0.7914        | 68.22                            |
| 66.5                           | 5,392                                        |                                       | 0.0000         | 1.0000        | 53.99                            |
| 67.5                           | 3,621                                        | 30                                    | 0.0082         | 0.9918        | 53.99                            |
| 68.5                           | 3,101                                        | 14                                    | 0.0045         | 0.9955        | 53.55                            |
| 69.5                           | 3,639                                        | 653                                   | 0.1794         | 0.8206        | 53.31                            |
| 70.5                           | 3,945                                        |                                       | 0.0000         | 1.0000        | 43.75                            |
| 71.5                           | 4,312                                        |                                       | 0.0000         | 1.0000        | 43.75                            |
| 72.5                           | 5,041                                        | 800                                   | 0.1587         | 0.8413        | 43.75                            |
| 73.5                           | 5,570                                        |                                       | 0.0000         | 1.0000        | 36.80                            |
| 74.5                           | 7,021                                        |                                       | 0.0000         | 1.0000        | 36.80                            |
| 75.5                           | 7,021                                        | 1,189                                 | 0.1694         | 0.8306        | 36.80                            |
| 76.5                           | 5,832                                        | 2,312                                 | 0.3965         | 0.6035        | 30.57                            |
| 77.5                           | 2,800                                        |                                       | 0.0000         | 1.0000        | 18.45                            |
| 78.5                           | 2,561                                        | 158                                   | 0.0617         | 0.9383        | 18.45                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 369.0, 378.0 AND 379.0 MEASURING AND REGULATING STATION EQUIPMENT

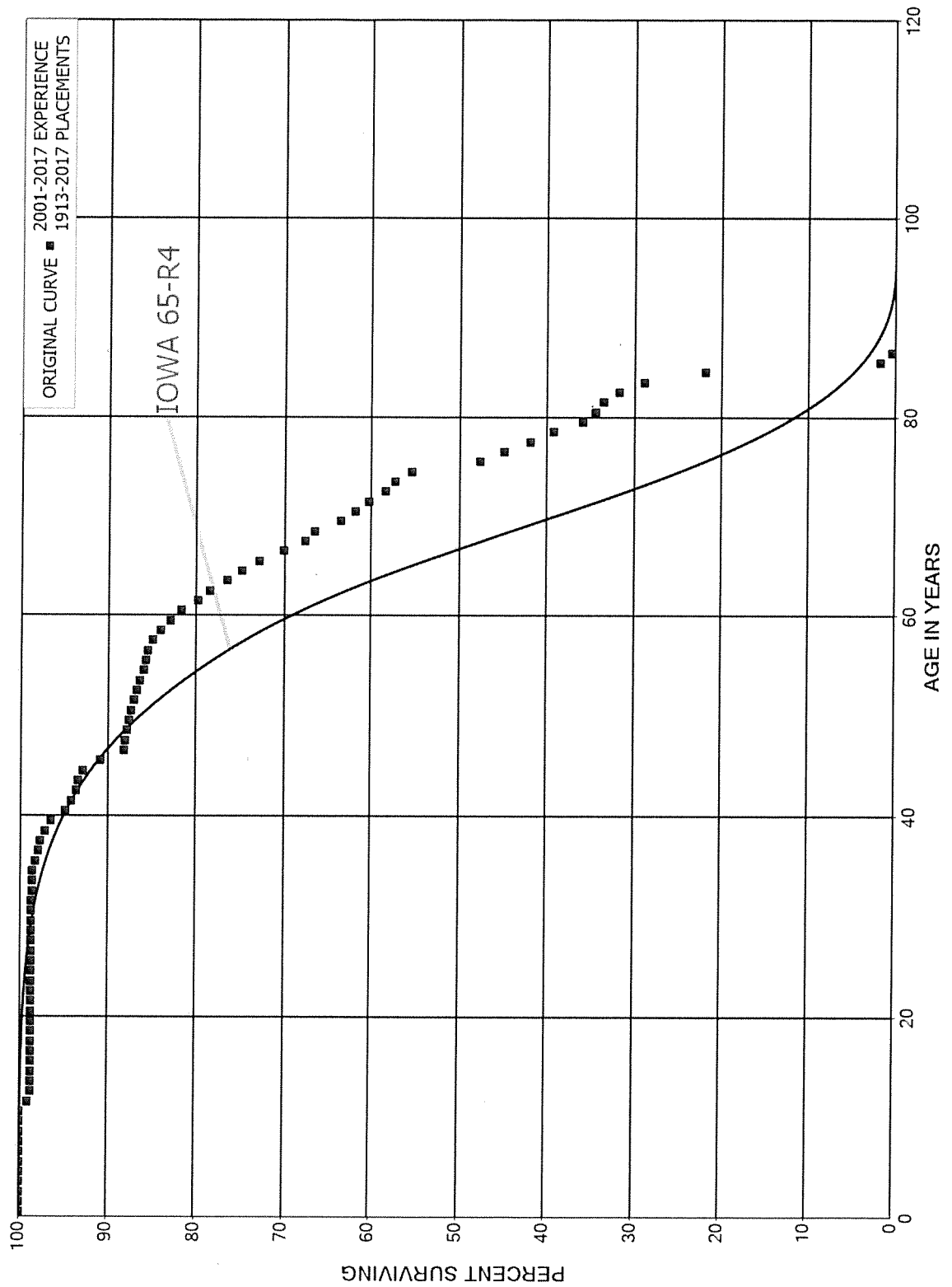
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2017

EXPERIENCE BAND 2000-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 79.5                           | 2,502                                        | 201                                   | 0.0801         | 0.9199        | 17.31                            |
| 80.5                           | 2,302                                        | 49                                    | 0.0213         | 0.9787        | 15.92                            |
| 81.5                           | 2,271                                        | 501                                   | 0.2206         | 0.7794        | 15.58                            |
| 82.5                           | 1,584                                        |                                       | 0.0000         | 1.0000        | 12.15                            |
| 83.5                           | 1,532                                        | 215                                   | 0.1406         | 0.8594        | 12.15                            |
| 84.5                           | 1,092                                        |                                       | 0.0000         | 1.0000        | 10.44                            |
| 85.5                           | 620                                          |                                       | 0.0000         | 1.0000        | 10.44                            |
| 86.5                           | 418                                          |                                       | 0.0000         | 1.0000        | 10.44                            |
| 87.5                           | 230                                          |                                       | 0.0000         | 1.0000        | 10.44                            |
| 88.5                           | 230                                          |                                       | 0.0000         | 1.0000        | 10.44                            |
| 89.5                           | 230                                          | 68                                    | 0.2966         | 0.7034        | 10.44                            |
| 90.5                           |                                              |                                       |                |               | 7.34                             |
| 91.5                           |                                              |                                       |                |               |                                  |
| 92.5                           |                                              |                                       |                |               |                                  |
| 93.5                           |                                              |                                       |                |               |                                  |
| 94.5                           | 2,862                                        |                                       | 0.0000         |               |                                  |
| 95.5                           | 2,862                                        |                                       | 0.0000         |               |                                  |
| 96.5                           | 2,862                                        | 2,862                                 | 1.0000         |               |                                  |
| 97.5                           |                                              |                                       |                |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 380.0 AND 380.1 SERVICES  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 380.0 AND 380.1 SERVICES

ORIGINAL LIFE TABLE

PLACEMENT BAND 1913-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 298,014,116                                  |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 278,573,618                                  |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 241,297,643                                  |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 201,564,340                                  | 14,407                                | 0.0001         | 0.9999        | 100.00                           |
| 3.5                            | 172,515,701                                  | 23                                    | 0.0000         | 1.0000        | 99.99                            |
| 4.5                            | 153,128,448                                  | 0                                     | 0.0000         | 1.0000        | 99.99                            |
| 5.5                            | 136,416,828                                  | 390                                   | 0.0000         | 1.0000        | 99.99                            |
| 6.5                            | 122,712,548                                  | 1,439                                 | 0.0000         | 1.0000        | 99.99                            |
| 7.5                            | 111,882,991                                  | 2,704                                 | 0.0000         | 1.0000        | 99.99                            |
| 8.5                            | 86,926,957                                   | 1,352                                 | 0.0000         | 1.0000        | 99.99                            |
| 9.5                            | 84,650,102                                   | 24,731                                | 0.0003         | 0.9997        | 99.99                            |
| 10.5                           | 83,175,681                                   | 719,496                               | 0.0087         | 0.9913        | 99.96                            |
| 11.5                           | 79,327,612                                   | 323,782                               | 0.0041         | 0.9959        | 99.09                            |
| 12.5                           | 75,004,736                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 13.5                           | 70,376,571                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 14.5                           | 66,241,141                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 15.5                           | 59,921,842                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 16.5                           | 62,190,270                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 17.5                           | 59,104,885                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 18.5                           | 56,395,954                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 19.5                           | 54,559,326                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 20.5                           | 50,699,140                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 21.5                           | 47,378,556                                   | 295                                   | 0.0000         | 1.0000        | 98.69                            |
| 22.5                           | 44,856,582                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 23.5                           | 41,180,350                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 24.5                           | 38,421,496                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 25.5                           | 34,288,392                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 26.5                           | 32,299,044                                   | 158                                   | 0.0000         | 1.0000        | 98.69                            |
| 27.5                           | 28,275,182                                   | 314                                   | 0.0000         | 1.0000        | 98.69                            |
| 28.5                           | 26,032,479                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 29.5                           | 24,753,663                                   |                                       | 0.0000         | 1.0000        | 98.69                            |
| 30.5                           | 23,371,977                                   | 1,164                                 | 0.0000         | 1.0000        | 98.69                            |
| 31.5                           | 21,698,953                                   | 4,750                                 | 0.0002         | 0.9998        | 98.68                            |
| 32.5                           | 19,789,839                                   | 841                                   | 0.0000         | 1.0000        | 98.66                            |
| 33.5                           | 18,279,170                                   | 15,942                                | 0.0009         | 0.9991        | 98.66                            |
| 34.5                           | 16,986,645                                   | 56,320                                | 0.0033         | 0.9967        | 98.57                            |
| 35.5                           | 15,141,526                                   | 48,628                                | 0.0032         | 0.9968        | 98.24                            |
| 36.5                           | 13,848,256                                   | 29,022                                | 0.0021         | 0.9979        | 97.93                            |
| 37.5                           | 12,523,632                                   | 70,474                                | 0.0056         | 0.9944        | 97.72                            |
| 38.5                           | 12,319,879                                   | 78,172                                | 0.0063         | 0.9937        | 97.17                            |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 380.0 AND 380.1 SERVICES

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 11,924,168                                   | 206,851                               | 0.0173         | 0.9827        | 96.56                            |
| 40.5                           | 11,792,834                                   | 90,496                                | 0.0077         | 0.9923        | 94.88                            |
| 41.5                           | 11,776,504                                   | 66,035                                | 0.0056         | 0.9944        | 94.15                            |
| 42.5                           | 11,647,826                                   | 31,455                                | 0.0027         | 0.9973        | 93.63                            |
| 43.5                           | 11,823,876                                   | 71,801                                | 0.0061         | 0.9939        | 93.37                            |
| 44.5                           | 11,837,312                                   | 245,429                               | 0.0207         | 0.9793        | 92.81                            |
| 45.5                           | 11,218,121                                   | 335,036                               | 0.0299         | 0.9701        | 90.88                            |
| 46.5                           | 10,598,029                                   | 8,381                                 | 0.0008         | 0.9992        | 88.17                            |
| 47.5                           | 10,183,825                                   | 25,190                                | 0.0025         | 0.9975        | 88.10                            |
| 48.5                           | 9,630,204                                    | 30,081                                | 0.0031         | 0.9969        | 87.88                            |
| 49.5                           | 9,082,753                                    | 23,597                                | 0.0026         | 0.9974        | 87.60                            |
| 50.5                           | 8,526,477                                    | 29,459                                | 0.0035         | 0.9965        | 87.38                            |
| 51.5                           | 7,898,006                                    | 34,860                                | 0.0044         | 0.9956        | 87.08                            |
| 52.5                           | 7,182,647                                    | 21,734                                | 0.0030         | 0.9970        | 86.69                            |
| 53.5                           | 6,457,766                                    | 31,381                                | 0.0049         | 0.9951        | 86.43                            |
| 54.5                           | 5,708,330                                    | 15,560                                | 0.0027         | 0.9973        | 86.01                            |
| 55.5                           | 5,014,665                                    | 14,347                                | 0.0029         | 0.9971        | 85.77                            |
| 56.5                           | 4,383,038                                    | 26,679                                | 0.0061         | 0.9939        | 85.53                            |
| 57.5                           | 3,796,255                                    | 43,658                                | 0.0115         | 0.9885        | 85.01                            |
| 58.5                           | 3,285,624                                    | 42,058                                | 0.0128         | 0.9872        | 84.03                            |
| 59.5                           | 2,910,098                                    | 43,218                                | 0.0149         | 0.9851        | 82.95                            |
| 60.5                           | 2,440,870                                    | 57,843                                | 0.0237         | 0.9763        | 81.72                            |
| 61.5                           | 2,047,196                                    | 33,006                                | 0.0161         | 0.9839        | 79.79                            |
| 62.5                           | 1,658,417                                    | 41,233                                | 0.0249         | 0.9751        | 78.50                            |
| 63.5                           | 1,371,989                                    | 30,398                                | 0.0222         | 0.9778        | 76.55                            |
| 64.5                           | 1,151,916                                    | 30,760                                | 0.0267         | 0.9733        | 74.85                            |
| 65.5                           | 976,795                                      | 38,122                                | 0.0390         | 0.9610        | 72.85                            |
| 66.5                           | 751,466                                      | 25,974                                | 0.0346         | 0.9654        | 70.01                            |
| 67.5                           | 577,043                                      | 9,661                                 | 0.0167         | 0.9833        | 67.59                            |
| 68.5                           | 492,312                                      | 22,134                                | 0.0450         | 0.9550        | 66.46                            |
| 69.5                           | 398,865                                      | 10,196                                | 0.0256         | 0.9744        | 63.47                            |
| 70.5                           | 343,542                                      | 8,814                                 | 0.0257         | 0.9743        | 61.85                            |
| 71.5                           | 334,141                                      | 10,235                                | 0.0306         | 0.9694        | 60.26                            |
| 72.5                           | 449,908                                      | 8,641                                 | 0.0192         | 0.9808        | 58.42                            |
| 73.5                           | 488,652                                      | 16,171                                | 0.0331         | 0.9669        | 57.29                            |
| 74.5                           | 504,102                                      | 71,202                                | 0.1412         | 0.8588        | 55.40                            |
| 75.5                           | 536,588                                      | 31,189                                | 0.0581         | 0.9419        | 47.57                            |
| 76.5                           | 505,927                                      | 33,970                                | 0.0671         | 0.9329        | 44.81                            |
| 77.5                           | 472,991                                      | 29,862                                | 0.0631         | 0.9369        | 41.80                            |
| 78.5                           | 444,476                                      | 37,918                                | 0.0853         | 0.9147        | 39.16                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 380.0 AND 380.1 SERVICES

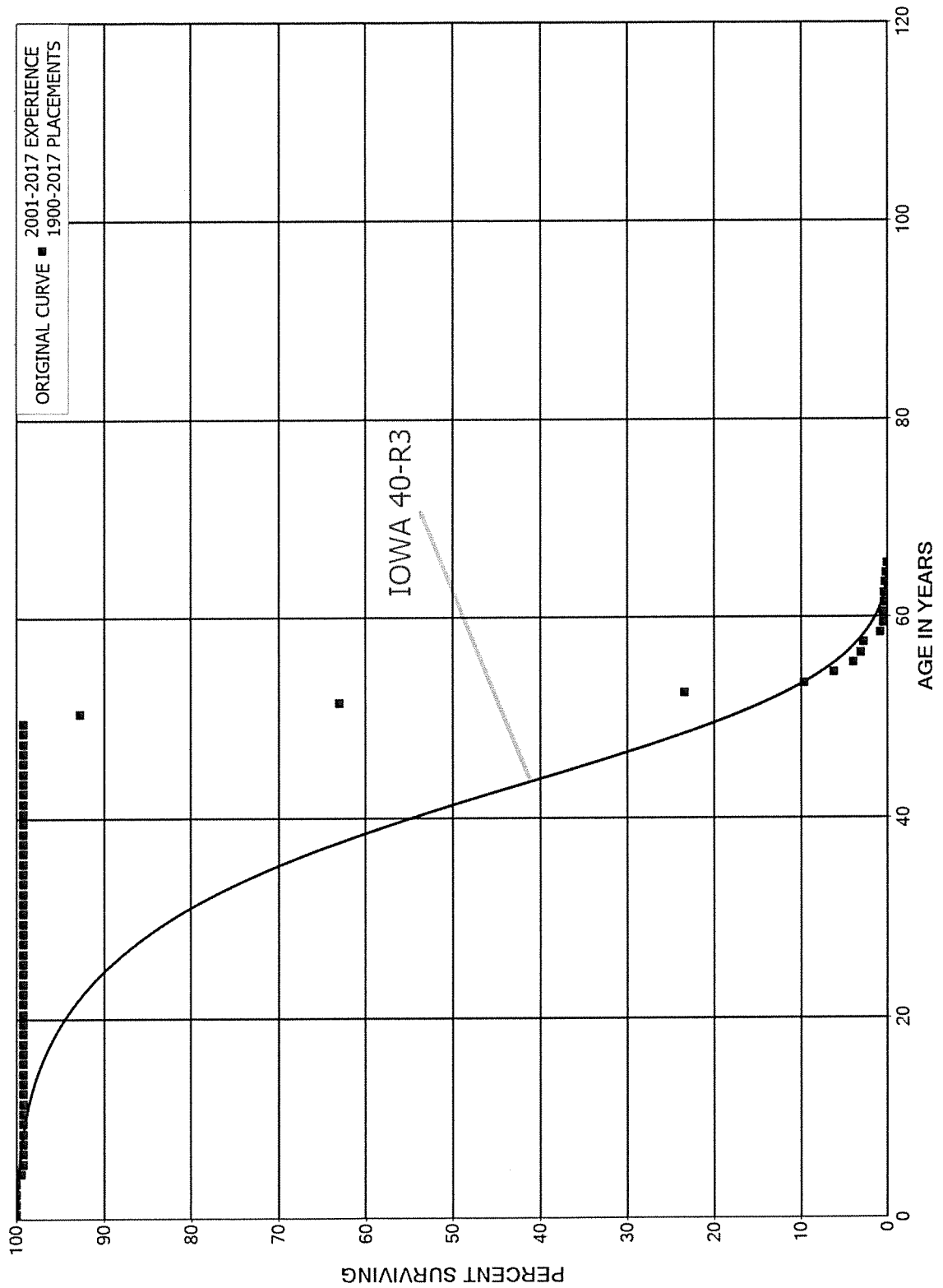
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1913-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 79.5                           | 408,204                                      | 16,543                                | 0.0405         | 0.9595        | 35.82                            |
| 80.5                           | 392,135                                      | 10,451                                | 0.0267         | 0.9733        | 34.37                            |
| 81.5                           | 381,864                                      | 19,684                                | 0.0515         | 0.9485        | 33.45                            |
| 82.5                           | 362,274                                      | 32,775                                | 0.0905         | 0.9095        | 31.73                            |
| 83.5                           | 330,572                                      | 80,115                                | 0.2424         | 0.7576        | 28.86                            |
| 84.5                           | 251,318                                      | 232,016                               | 0.9232         | 0.0768        | 21.86                            |
| 85.5                           | 53,240                                       | 40,717                                | 0.7648         | 0.2352        | 1.68                             |
| 86.5                           | 41,134                                       | 37,726                                | 0.9172         | 0.0828        | 0.39                             |
| 87.5                           | 3,551                                        | 338                                   | 0.0952         | 0.9048        | 0.03                             |
| 88.5                           | 3,213                                        | 390                                   | 0.1213         | 0.8787        | 0.03                             |
| 89.5                           | 2,823                                        | 912                                   | 0.3228         | 0.6772        | 0.03                             |
| 90.5                           | 1,912                                        | 637                                   | 0.3330         | 0.6670        | 0.02                             |
| 91.5                           | 1,275                                        | 944                                   | 0.7402         | 0.2598        | 0.01                             |
| 92.5                           | 331                                          | 265                                   | 0.7991         | 0.2009        | 0.00                             |
| 93.5                           | 67                                           | 67                                    | 1.0000         |               | 0.00                             |
| 94.5                           |                                              |                                       |                |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 381.0 METERS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 381.0 METERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1900-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 45,247,627                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 41,502,531                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 33,844,017                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 30,208,647                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 28,204,838                                   | 171,484                               | 0.0061         | 0.9939        | 100.00                           |
| 4.5                            | 27,007,964                                   | 68,548                                | 0.0025         | 0.9975        | 99.39                            |
| 5.5                            | 25,875,507                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 6.5                            | 25,063,298                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 7.5                            | 24,542,795                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 8.5                            | 24,280,142                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 9.5                            | 23,545,109                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 10.5                           | 22,936,319                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 11.5                           | 21,767,013                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 12.5                           | 19,056,013                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 13.5                           | 17,928,285                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 14.5                           | 12,945,397                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 15.5                           | 13,211,286                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 16.5                           | 13,426,076                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 17.5                           | 13,124,216                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 18.5                           | 12,598,710                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 19.5                           | 12,529,167                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 20.5                           | 11,698,839                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 21.5                           | 10,265,956                                   |                                       | 0.0000         | 1.0000        | 99.14                            |
| 22.5                           | 9,251,058                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 23.5                           | 8,645,640                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 24.5                           | 7,712,865                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 25.5                           | 6,894,766                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 26.5                           | 6,130,931                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 27.5                           | 5,468,766                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 28.5                           | 4,720,496                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 29.5                           | 4,468,013                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 30.5                           | 4,271,886                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 31.5                           | 4,184,129                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 32.5                           | 4,175,679                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 33.5                           | 4,268,035                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 34.5                           | 4,491,524                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 35.5                           | 4,071,785                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 36.5                           | 3,507,032                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 37.5                           | 3,119,013                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 38.5                           | 3,204,885                                    |                                       | 0.0000         | 1.0000        | 99.14                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 381.0 METERS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 3,290,755                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 40.5                           | 3,479,998                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 41.5                           | 3,726,752                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 42.5                           | 3,897,944                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 43.5                           | 4,039,695                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 44.5                           | 4,163,813                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 45.5                           | 4,146,895                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 46.5                           | 4,054,711                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 47.5                           | 3,881,326                                    |                                       | 0.0000         | 1.0000        | 99.14                            |
| 48.5                           | 3,705,960                                    | 223                                   | 0.0001         | 0.9999        | 99.14                            |
| 49.5                           | 3,508,471                                    | 226,504                               | 0.0646         | 0.9354        | 99.13                            |
| 50.5                           | 3,009,356                                    | 961,815                               | 0.3196         | 0.6804        | 92.73                            |
| 51.5                           | 1,939,729                                    | 1,219,268                             | 0.6286         | 0.3714        | 63.10                            |
| 52.5                           | 778,222                                      | 457,695                               | 0.5881         | 0.4119        | 23.44                            |
| 53.5                           | 343,607                                      | 124,094                               | 0.3612         | 0.6388        | 9.65                             |
| 54.5                           | 231,378                                      | 82,085                                | 0.3548         | 0.6452        | 6.17                             |
| 55.5                           | 156,322                                      | 34,536                                | 0.2209         | 0.7791        | 3.98                             |
| 56.5                           | 126,784                                      | 15,001                                | 0.1183         | 0.8817        | 3.10                             |
| 57.5                           | 118,220                                      | 83,221                                | 0.7039         | 0.2961        | 2.73                             |
| 58.5                           | 48,420                                       | 15,125                                | 0.3124         | 0.6876        | 0.81                             |
| 59.5                           | 56,552                                       | 10,198                                | 0.1803         | 0.8197        | 0.56                             |
| 60.5                           | 59,947                                       | 9,069                                 | 0.1513         | 0.8487        | 0.46                             |
| 61.5                           | 59,866                                       | 4,031                                 | 0.0673         | 0.9327        | 0.39                             |
| 62.5                           | 63,090                                       | 20,255                                | 0.3211         | 0.6789        | 0.36                             |
| 63.5                           | 50,058                                       | 18,995                                | 0.3795         | 0.6205        | 0.25                             |
| 64.5                           | 38,304                                       | 12,015                                | 0.3137         | 0.6863        | 0.15                             |
| 65.5                           | 31,610                                       | 8,393                                 | 0.2655         | 0.7345        | 0.10                             |
| 66.5                           | 24,153                                       | 7,157                                 | 0.2963         | 0.7037        | 0.08                             |
| 67.5                           | 16,996                                       | 7,857                                 | 0.4623         | 0.5377        | 0.05                             |
| 68.5                           | 9,140                                        | 7,444                                 | 0.8145         | 0.1855        | 0.03                             |
| 69.5                           | 2,152                                        | 1,457                                 | 0.6770         | 0.3230        | 0.01                             |
| 70.5                           | 5,052                                        | 238                                   | 0.0472         | 0.9528        | 0.00                             |
| 71.5                           | 14,537                                       |                                       | 0.0000         | 1.0000        | 0.00                             |
| 72.5                           | 30,180                                       | 419                                   | 0.0139         | 0.9861        | 0.00                             |
| 73.5                           | 46,314                                       | 3,784                                 | 0.0817         | 0.9183        | 0.00                             |
| 74.5                           | 48,695                                       | 6,987                                 | 0.1435         | 0.8565        | 0.00                             |
| 75.5                           | 47,944                                       | 13,954                                | 0.2910         | 0.7090        | 0.00                             |
| 76.5                           | 37,478                                       | 19,325                                | 0.5156         | 0.4844        | 0.00                             |
| 77.5                           | 21,930                                       | 7,777                                 | 0.3546         | 0.6454        | 0.00                             |
| 78.5                           | 19,165                                       | 9,058                                 | 0.4726         | 0.5274        | 0.00                             |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 381.0 METERS

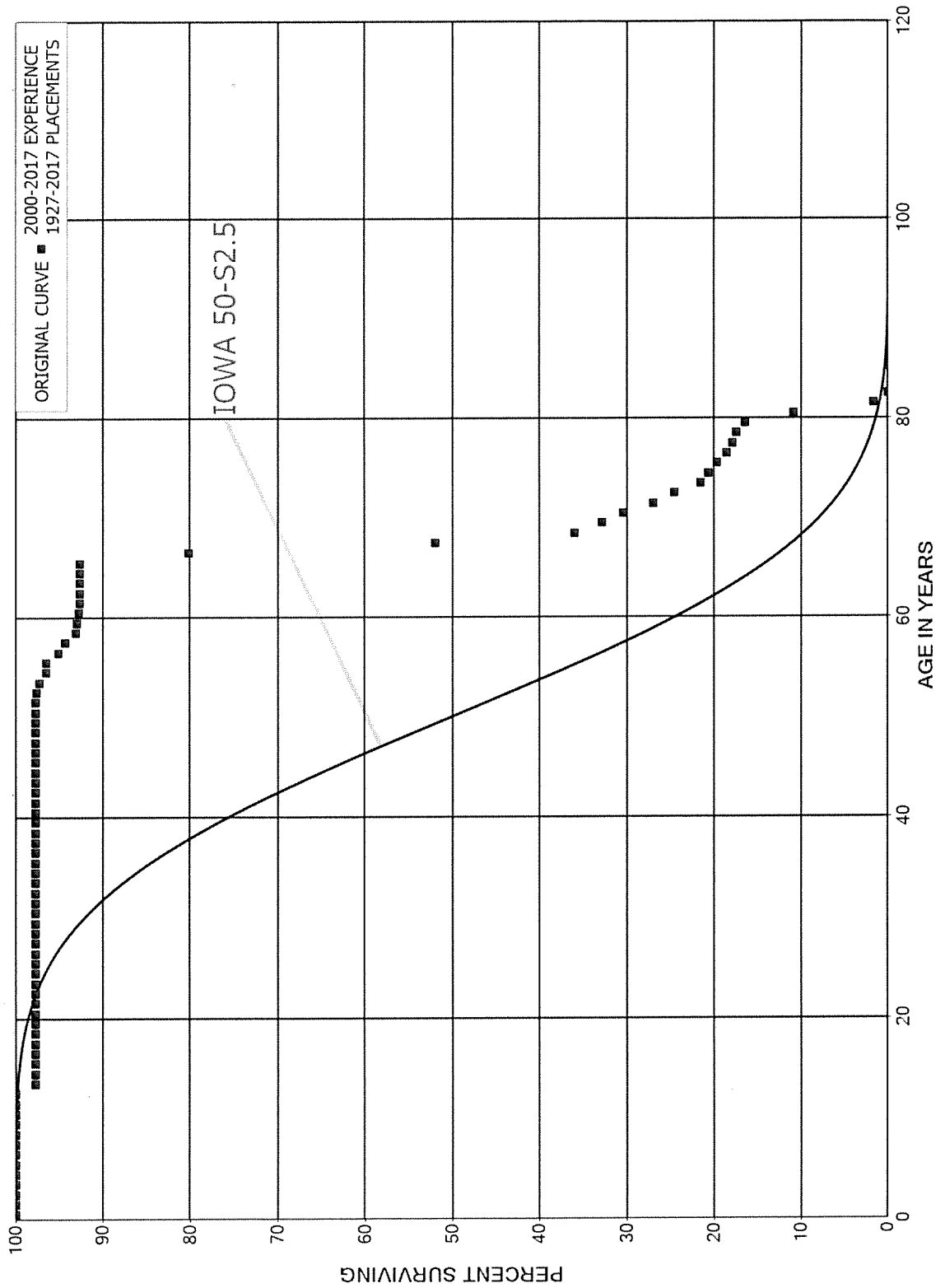
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1900-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 79.5                           | 13,273                                       | 4,189                                 | 0.3156         | 0.6844        | 0.00                             |
| 80.5                           | 14,554                                       | 5,396                                 | 0.3708         | 0.6292        | 0.00                             |
| 81.5                           | 16,051                                       | 3,688                                 | 0.2297         | 0.7703        | 0.00                             |
| 82.5                           | 19,713                                       | 5,471                                 | 0.2775         | 0.7225        | 0.00                             |
| 83.5                           | 21,122                                       | 6,892                                 | 0.3263         | 0.6737        | 0.00                             |
| 84.5                           | 53,148                                       | 7,350                                 | 0.1383         | 0.8617        | 0.00                             |
| 85.5                           | 61,137                                       | 6,880                                 | 0.1125         | 0.8875        | 0.00                             |
| 86.5                           | 54,912                                       | 38,884                                | 0.7081         | 0.2919        | 0.00                             |
| 87.5                           | 16,255                                       | 15,316                                | 0.9422         | 0.0578        | 0.00                             |
| 88.5                           | 1,157                                        | 707                                   | 0.6108         | 0.3892        | 0.00                             |
| 89.5                           | 510                                          | 210                                   | 0.4110         | 0.5890        | 0.00                             |
| 90.5                           | 596                                          | 183                                   | 0.3077         | 0.6923        | 0.00                             |
| 91.5                           | 745                                          | 86                                    | 0.1154         | 0.8846        | 0.00                             |
| 92.5                           | 745                                          | 295                                   | 0.3966         | 0.6034        | 0.00                             |
| 93.5                           | 897                                          | 123                                   | 0.1373         | 0.8627        | 0.00                             |
| 94.5                           | 1,005                                        | 282                                   | 0.2801         | 0.7199        | 0.00                             |
| 95.5                           | 776                                          | 291                                   | 0.3744         | 0.6256        | 0.00                             |
| 96.5                           | 510                                          | 201                                   | 0.3950         | 0.6050        | 0.00                             |
| 97.5                           | 328                                          | 232                                   | 0.7073         | 0.2927        | 0.00                             |
| 98.5                           | 128                                          | 52                                    | 0.4072         | 0.5928        | 0.00                             |
| 99.5                           | 127                                          | 44                                    | 0.3443         | 0.6557        | 0.00                             |
| 100.5                          | 130                                          | 32                                    | 0.2467         | 0.7533        | 0.00                             |
| 101.5                          | 98                                           |                                       | 0.0000         | 1.0000        | 0.00                             |
| 102.5                          | 98                                           | 74                                    | 0.7506         | 0.2494        | 0.00                             |
| 103.5                          | 24                                           | 24                                    | 1.0000         |               | 0.00                             |
| 104.5                          |                                              |                                       |                |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 382.0 AND 382.1 METER INSTALLATIONS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 382.0 AND 382.1 METER INSTALLATIONS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1927-2017

EXPERIENCE BAND 2000-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 46,214,044                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 43,949,629                                   | 91                                    | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 22,577,263                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 15,827,413                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 12,109,127                                   |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 9,697,484                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 6,940,727                                    | 1,731                                 | 0.0002         | 0.9998        | 100.00                           |
| 6.5                            | 5,356,271                                    |                                       | 0.0000         | 1.0000        | 99.97                            |
| 7.5                            | 4,083,072                                    |                                       | 0.0000         | 1.0000        | 99.97                            |
| 8.5                            | 2,920,649                                    |                                       | 0.0000         | 1.0000        | 99.97                            |
| 9.5                            | 2,882,225                                    | 354                                   | 0.0001         | 0.9999        | 99.97                            |
| 10.5                           | 2,798,936                                    | 109                                   | 0.0000         | 1.0000        | 99.96                            |
| 11.5                           | 2,645,650                                    | 47                                    | 0.0000         | 1.0000        | 99.96                            |
| 12.5                           | 2,659,878                                    | 58,949                                | 0.0222         | 0.9778        | 99.96                            |
| 13.5                           | 2,632,374                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 14.5                           | 2,591,580                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 15.5                           | 2,695,119                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 16.5                           | 2,795,503                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 17.5                           | 2,623,345                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 18.5                           | 2,459,557                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 19.5                           | 2,384,088                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 20.5                           | 1,980,478                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 21.5                           | 1,853,125                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 22.5                           | 1,661,942                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 23.5                           | 1,386,624                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 24.5                           | 1,197,103                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 25.5                           | 1,148,999                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 26.5                           | 993,431                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 27.5                           | 962,254                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 28.5                           | 967,318                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 29.5                           | 942,923                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 30.5                           | 964,541                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 31.5                           | 952,404                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 32.5                           | 918,971                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 33.5                           | 868,808                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 34.5                           | 845,143                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 35.5                           | 847,259                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 36.5                           | 833,635                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 37.5                           | 837,914                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 38.5                           | 874,024                                      |                                       | 0.0000         | 1.0000        | 97.74                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 382.0 AND 382.1 METER INSTALLATIONS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1927-2017

EXPERIENCE BAND 2000-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 896,642                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 40.5                           | 944,780                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 41.5                           | 974,866                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 42.5                           | 1,036,115                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 43.5                           | 1,082,393                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 44.5                           | 1,115,565                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 45.5                           | 1,104,175                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 46.5                           | 1,030,167                                    |                                       | 0.0000         | 1.0000        | 97.74                            |
| 47.5                           | 991,550                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 48.5                           | 912,469                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 49.5                           | 841,010                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 50.5                           | 796,691                                      |                                       | 0.0000         | 1.0000        | 97.74                            |
| 51.5                           | 759,878                                      | 743                                   | 0.0010         | 0.9990        | 97.74                            |
| 52.5                           | 687,410                                      | 2,299                                 | 0.0033         | 0.9967        | 97.65                            |
| 53.5                           | 616,848                                      | 5,116                                 | 0.0083         | 0.9917        | 97.32                            |
| 54.5                           | 557,456                                      | 214                                   | 0.0004         | 0.9996        | 96.51                            |
| 55.5                           | 496,601                                      | 7,101                                 | 0.0143         | 0.9857        | 96.48                            |
| 56.5                           | 449,014                                      | 3,671                                 | 0.0082         | 0.9918        | 95.10                            |
| 57.5                           | 405,092                                      | 5,489                                 | 0.0136         | 0.9864        | 94.32                            |
| 58.5                           | 341,781                                      | 293                                   | 0.0009         | 0.9991        | 93.04                            |
| 59.5                           | 305,950                                      | 839                                   | 0.0027         | 0.9973        | 92.96                            |
| 60.5                           | 238,495                                      | 243                                   | 0.0010         | 0.9990        | 92.71                            |
| 61.5                           | 181,800                                      |                                       | 0.0000         | 1.0000        | 92.61                            |
| 62.5                           | 144,104                                      |                                       | 0.0000         | 1.0000        | 92.61                            |
| 63.5                           | 116,519                                      | 41                                    | 0.0004         | 0.9996        | 92.61                            |
| 64.5                           | 101,286                                      |                                       | 0.0000         | 1.0000        | 92.58                            |
| 65.5                           | 88,102                                       | 11,829                                | 0.1343         | 0.8657        | 92.58                            |
| 66.5                           | 72,750                                       | 25,629                                | 0.3523         | 0.6477        | 80.15                            |
| 67.5                           | 50,698                                       | 15,543                                | 0.3066         | 0.6934        | 51.91                            |
| 68.5                           | 39,627                                       | 3,483                                 | 0.0879         | 0.9121        | 36.00                            |
| 69.5                           | 43,645                                       | 3,307                                 | 0.0758         | 0.9242        | 32.83                            |
| 70.5                           | 47,444                                       | 5,302                                 | 0.1117         | 0.8883        | 30.35                            |
| 71.5                           | 49,303                                       | 4,472                                 | 0.0907         | 0.9093        | 26.95                            |
| 72.5                           | 48,873                                       | 5,888                                 | 0.1205         | 0.8795        | 24.51                            |
| 73.5                           | 42,985                                       | 1,842                                 | 0.0429         | 0.9571        | 21.56                            |
| 74.5                           | 41,143                                       | 1,972                                 | 0.0479         | 0.9521        | 20.63                            |
| 75.5                           | 39,170                                       | 2,308                                 | 0.0589         | 0.9411        | 19.64                            |
| 76.5                           | 36,862                                       | 1,329                                 | 0.0361         | 0.9639        | 18.49                            |
| 77.5                           | 35,533                                       | 814                                   | 0.0229         | 0.9771        | 17.82                            |
| 78.5                           | 34,719                                       | 2,121                                 | 0.0611         | 0.9389        | 17.41                            |

VECTREN ENERGY DELIVERY OF OHIO

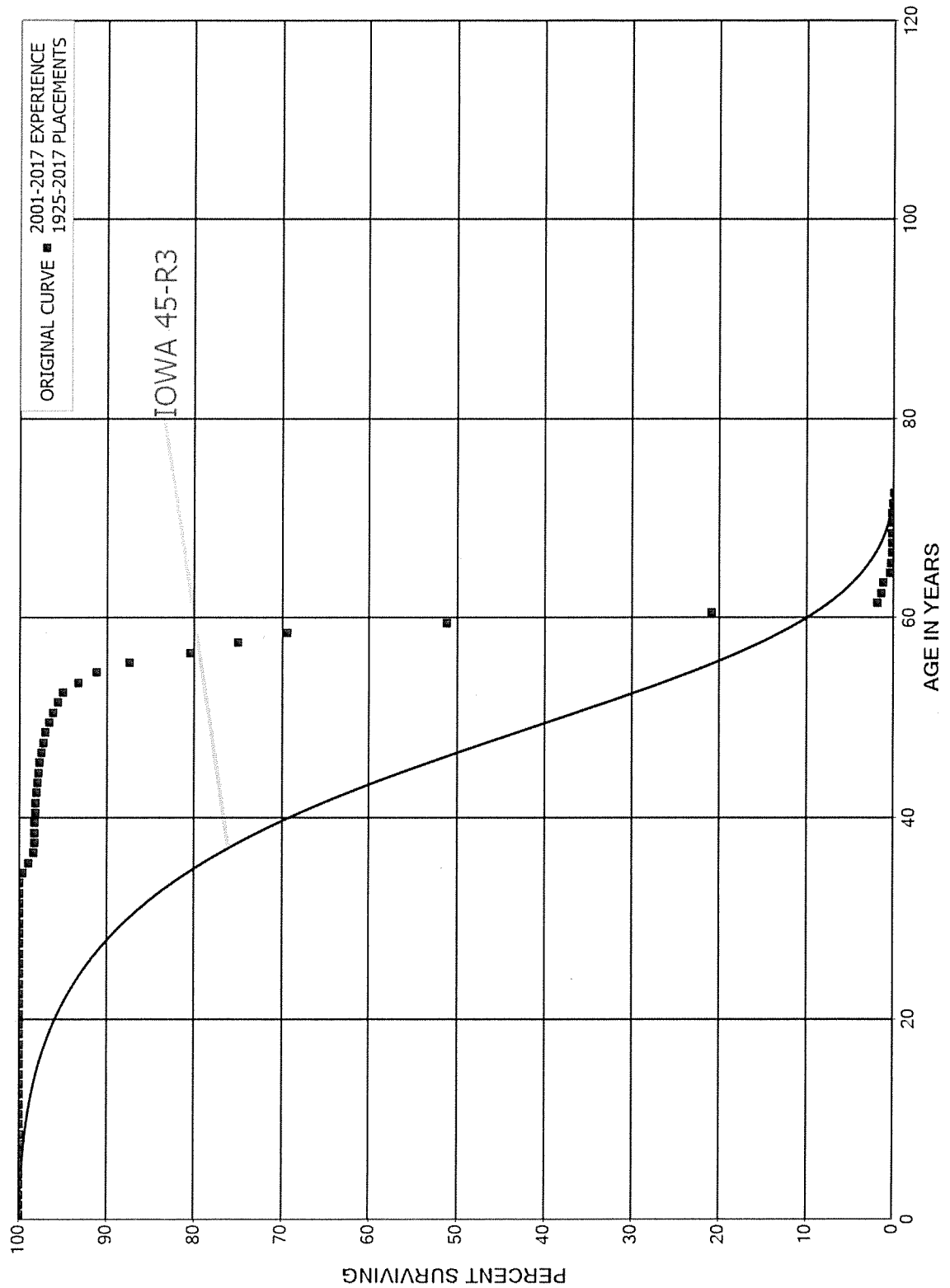
ACCOUNTS 382.0 AND 382.1 METER INSTALLATIONS

ORIGINAL LIFE TABLE, CONT.

| PLACEMENT BAND 1927-2017       |                                              |                                       | EXPERIENCE BAND 2000-2017 |               |                                  |
|--------------------------------|----------------------------------------------|---------------------------------------|---------------------------|---------------|----------------------------------|
| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO            | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
| 79.5                           | 32,598                                       | 11,037                                | 0.3386                    | 0.6614        | 16.35                            |
| 80.5                           | 21,562                                       | 18,279                                | 0.8477                    | 0.1523        | 10.81                            |
| 81.5                           | 3,283                                        | 3,283                                 | 1.0000                    |               | 1.65                             |
| 82.5                           |                                              |                                       |                           |               |                                  |



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 383.0 HOUSE REGULATORS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 383.0 HOUSE REGULATORS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1925-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 5,460,830                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 5,123,089                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 3,893,522                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 3,550,365                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 3,257,095                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 2,946,067                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 2,708,163                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 2,600,930                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 2,506,338                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 2,590,115                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 2,641,467                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 10.5                           | 2,699,678                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 11.5                           | 2,603,931                                    | 174                                   | 0.0001         | 0.9999        | 100.00                           |
| 12.5                           | 2,691,504                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 13.5                           | 2,709,626                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 14.5                           | 2,854,628                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 15.5                           | 2,989,164                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 16.5                           | 3,109,423                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 17.5                           | 3,120,639                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 18.5                           | 3,021,625                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 19.5                           | 2,706,464                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 20.5                           | 2,652,234                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 21.5                           | 2,506,012                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 22.5                           | 2,407,081                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 23.5                           | 2,216,701                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 24.5                           | 1,986,976                                    | 46                                    | 0.0000         | 1.0000        | 99.99                            |
| 25.5                           | 1,618,798                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 26.5                           | 1,463,713                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 27.5                           | 1,254,728                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 28.5                           | 1,165,891                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 29.5                           | 1,085,032                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 30.5                           | 1,014,209                                    |                                       | 0.0000         | 1.0000        | 99.99                            |
| 31.5                           | 927,399                                      |                                       | 0.0000         | 1.0000        | 99.99                            |
| 32.5                           | 846,813                                      |                                       | 0.0000         | 1.0000        | 99.99                            |
| 33.5                           | 772,004                                      | 3,232                                 | 0.0042         | 0.9958        | 99.99                            |
| 34.5                           | 727,741                                      | 4,576                                 | 0.0063         | 0.9937        | 99.57                            |
| 35.5                           | 708,382                                      | 3,610                                 | 0.0051         | 0.9949        | 98.95                            |
| 36.5                           | 661,226                                      | 1,200                                 | 0.0018         | 0.9982        | 98.44                            |
| 37.5                           | 605,703                                      | 44                                    | 0.0001         | 0.9999        | 98.26                            |
| 38.5                           | 636,017                                      |                                       | 0.0000         | 1.0000        | 98.26                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 383.0 HOUSE REGULATORS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1925-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 669,541                                      | 503                                   | 0.0008         | 0.9992        | 98.26                            |
| 40.5                           | 716,468                                      | 62                                    | 0.0001         | 0.9999        | 98.18                            |
| 41.5                           | 762,745                                      | 1,019                                 | 0.0013         | 0.9987        | 98.17                            |
| 42.5                           | 793,204                                      | 590                                   | 0.0007         | 0.9993        | 98.04                            |
| 43.5                           | 828,572                                      | 834                                   | 0.0010         | 0.9990        | 97.97                            |
| 44.5                           | 872,855                                      | 1,073                                 | 0.0012         | 0.9988        | 97.87                            |
| 45.5                           | 887,593                                      | 2,201                                 | 0.0025         | 0.9975        | 97.75                            |
| 46.5                           | 855,790                                      | 2,058                                 | 0.0024         | 0.9976        | 97.51                            |
| 47.5                           | 800,466                                      | 1,669                                 | 0.0021         | 0.9979        | 97.27                            |
| 48.5                           | 744,451                                      | 3,723                                 | 0.0050         | 0.9950        | 97.07                            |
| 49.5                           | 689,183                                      | 2,710                                 | 0.0039         | 0.9961        | 96.59                            |
| 50.5                           | 643,566                                      | 4,231                                 | 0.0066         | 0.9934        | 96.21                            |
| 51.5                           | 591,267                                      | 2,913                                 | 0.0049         | 0.9951        | 95.57                            |
| 52.5                           | 542,419                                      | 10,167                                | 0.0187         | 0.9813        | 95.10                            |
| 53.5                           | 479,958                                      | 10,949                                | 0.0228         | 0.9772        | 93.32                            |
| 54.5                           | 423,318                                      | 17,471                                | 0.0413         | 0.9587        | 91.19                            |
| 55.5                           | 362,938                                      | 28,936                                | 0.0797         | 0.9203        | 87.43                            |
| 56.5                           | 288,397                                      | 19,209                                | 0.0666         | 0.9334        | 80.46                            |
| 57.5                           | 217,051                                      | 16,588                                | 0.0764         | 0.9236        | 75.10                            |
| 58.5                           | 146,812                                      | 38,403                                | 0.2616         | 0.7384        | 69.36                            |
| 59.5                           | 71,661                                       | 42,479                                | 0.5928         | 0.4072        | 51.22                            |
| 60.5                           | 7,220                                        | 6,595                                 | 0.9134         | 0.0866        | 20.86                            |
| 61.5                           | 645                                          | 144                                   | 0.2234         | 0.7766        | 1.81                             |
| 62.5                           | 501                                          | 91                                    | 0.1822         | 0.8178        | 1.40                             |
| 63.5                           | 435                                          | 285                                   | 0.6551         | 0.3449        | 1.15                             |
| 64.5                           | 234                                          | 48                                    | 0.2034         | 0.7966        | 0.40                             |
| 65.5                           | 200                                          | 57                                    | 0.2868         | 0.7132        | 0.32                             |
| 66.5                           | 142                                          |                                       | 0.0000         | 1.0000        | 0.22                             |
| 67.5                           | 142                                          | 20                                    | 0.1375         | 0.8625        | 0.22                             |
| 68.5                           | 123                                          |                                       | 0.0000         | 1.0000        | 0.19                             |
| 69.5                           | 123                                          | 26                                    | 0.2084         | 0.7916        | 0.19                             |
| 70.5                           | 97                                           | 84                                    | 0.8667         | 0.1333        | 0.15                             |
| 71.5                           | 13                                           | 13                                    | 1.0000         |               | 0.02                             |
| 72.5                           |                                              |                                       |                |               |                                  |
| 73.5                           |                                              |                                       |                |               |                                  |
| 74.5                           |                                              |                                       |                |               |                                  |
| 75.5                           | 223                                          |                                       | 0.0000         |               |                                  |
| 76.5                           | 223                                          |                                       | 0.0000         |               |                                  |
| 77.5                           | 223                                          |                                       | 0.0000         |               |                                  |
| 78.5                           | 223                                          |                                       | 0.0000         |               |                                  |

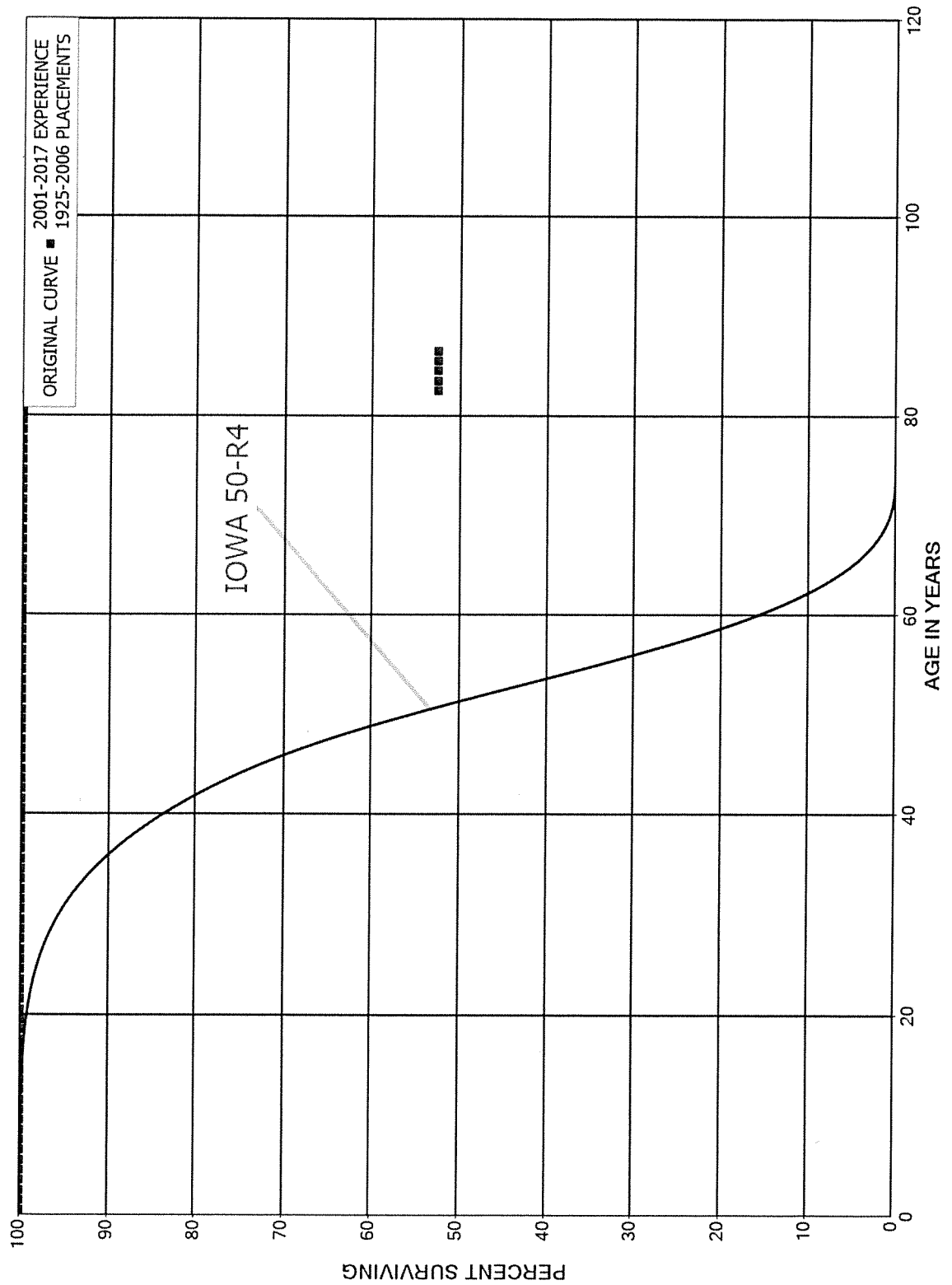
VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 383.0 HOUSE REGULATORS

ORIGINAL LIFE TABLE, CONT.

| PLACEMENT BAND 1925-2017       |                                              |                                       | EXPERIENCE BAND 2001-2017 |               |                                  |
|--------------------------------|----------------------------------------------|---------------------------------------|---------------------------|---------------|----------------------------------|
| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO            | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
| 79.5                           | 223                                          |                                       | 0.0000                    |               |                                  |
| 80.5                           | 223                                          | 105                                   | 0.4703                    |               |                                  |
| 81.5                           | 118                                          | 118                                   | 1.0000                    |               |                                  |
| 82.5                           |                                              |                                       |                           |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 384.0 HOUSE REGULATOR INSTALLATIONS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 384.0 HOUSE REGULATOR INSTALLATIONS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1925-2006

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 2,374                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 2,374                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 16,546                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 88,549                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 88,549                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 88,549                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 109,051                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 109,051                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 147,842                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 147,842                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 147,842                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 10.5                           | 150,425                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 11.5                           | 148,050                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 12.5                           | 148,050                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 13.5                           | 148,050                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 14.5                           | 178,611                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 15.5                           | 254,143                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 16.5                           | 525,916                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 17.5                           | 737,697                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 18.5                           | 815,219                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 19.5                           | 777,547                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 20.5                           | 777,547                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 21.5                           | 781,045                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 22.5                           | 762,695                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 23.5                           | 762,695                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 24.5                           | 723,904                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 25.5                           | 723,904                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 26.5                           | 724,198                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 27.5                           | 722,116                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 28.5                           | 722,150                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 29.5                           | 722,347                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 30.5                           | 722,543                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 31.5                           | 692,103                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 32.5                           | 616,820                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 33.5                           | 345,193                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 34.5                           | 134,143                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 35.5                           | 43,036                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 36.5                           | 9,629                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 37.5                           | 10,533                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 38.5                           | 7,251                                        |                                       | 0.0000         | 1.0000        | 100.00                           |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 384.0 HOUSE REGULATOR INSTALLATIONS

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1925-2006

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 5,391                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 40.5                           | 5,779                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 41.5                           | 6,720                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 42.5                           | 7,279                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 43.5                           | 13,774                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 44.5                           | 16,796                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 45.5                           | 20,366                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 46.5                           | 31,098                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 47.5                           | 32,399                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 48.5                           | 36,040                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 49.5                           | 36,101                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 50.5                           | 36,366                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 51.5                           | 35,804                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 52.5                           | 35,283                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 53.5                           | 34,414                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 54.5                           | 33,602                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 55.5                           | 33,453                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 56.5                           | 33,270                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 57.5                           | 33,036                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 58.5                           | 32,097                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 59.5                           | 31,656                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 60.5                           | 24,867                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 61.5                           | 21,344                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 62.5                           | 17,740                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 63.5                           | 6,837                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 64.5                           | 5,347                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 65.5                           | 1,596                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 66.5                           | 1,287                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 67.5                           | 875                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 68.5                           | 789                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 69.5                           | 724                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 70.5                           | 669                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 71.5                           | 577                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 72.5                           | 509                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 73.5                           | 401                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 74.5                           | 247                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 75.5                           | 1,078                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 76.5                           | 960                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 77.5                           | 960                                          |                                       | 0.0000         | 1.0000        | 100.00                           |
| 78.5                           | 960                                          |                                       | 0.0000         | 1.0000        | 100.00                           |

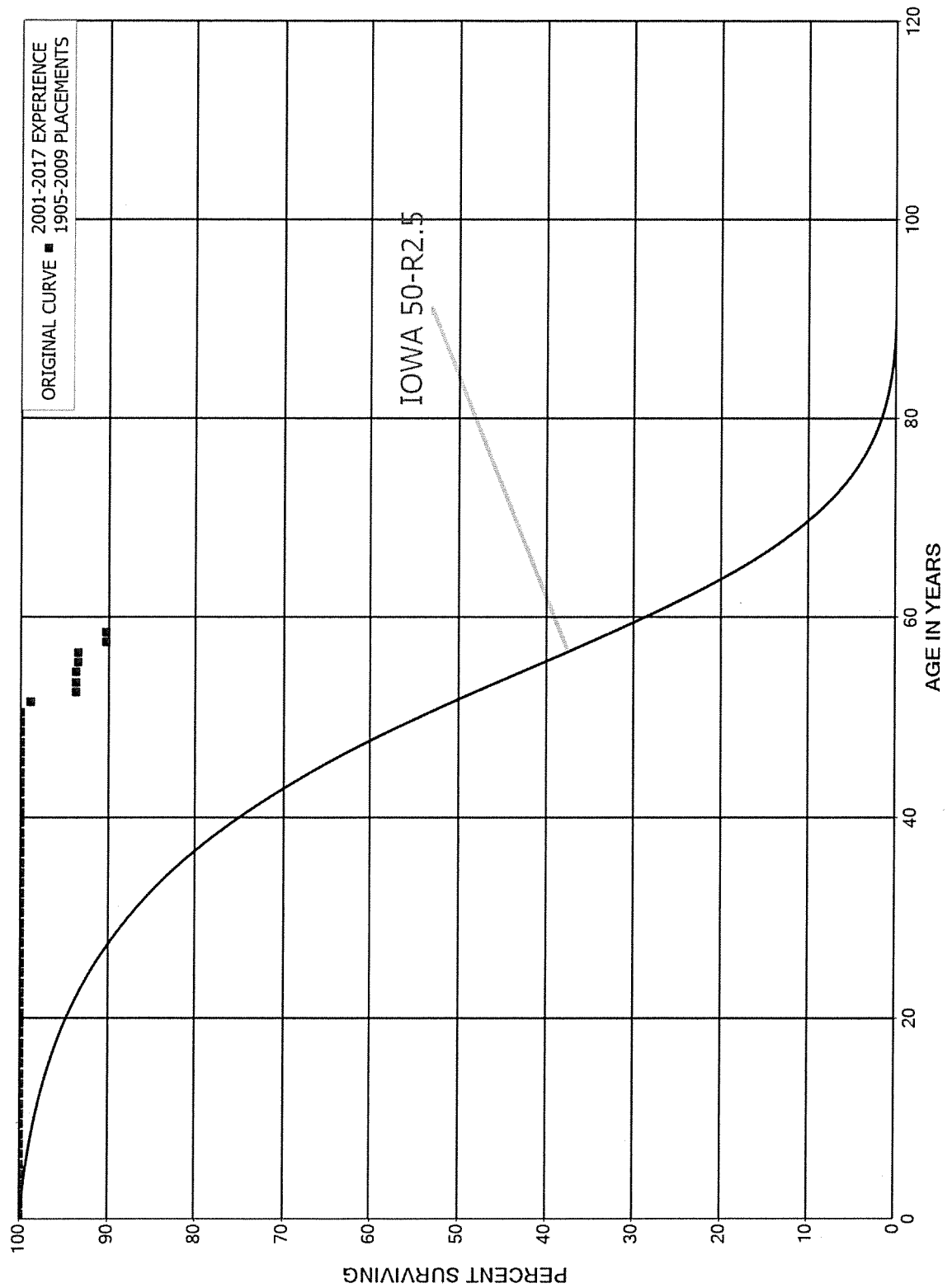
VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 384.0 HOUSE REGULATOR INSTALLATIONS

ORIGINAL LIFE TABLE, CONT.

| PLACEMENT BAND 1925-2006       |                                              |                                       | EXPERIENCE BAND 2001-2017 |               |                                  |
|--------------------------------|----------------------------------------------|---------------------------------------|---------------------------|---------------|----------------------------------|
| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO            | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
| 79.5                           | 960                                          |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 80.5                           | 933                                          |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 81.5                           | 926                                          | 440                                   | 0.4747                    | 0.5253        | 100.00                           |
| 82.5                           | 476                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 83.5                           | 476                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 84.5                           | 476                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 85.5                           | 393                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 86.5                           | 393                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 87.5                           | 393                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 88.5                           | 393                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 89.5                           | 393                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 90.5                           | 393                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 91.5                           | 393                                          |                                       | 0.0000                    | 1.0000        | 52.53                            |
| 92.5                           |                                              |                                       |                           |               | 52.53                            |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 385.0 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 385.0 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1905-2009

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 344,216                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 300,500                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 300,500                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 10.5                           | 275,520                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 11.5                           | 252,265                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 12.5                           | 237,064                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 13.5                           | 121,181                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 14.5                           | 11,765                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 15.5                           | 11,765                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 16.5                           | 11,765                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 17.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 18.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 19.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 20.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 21.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 22.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 23.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 24.5                           | 12,322                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 25.5                           | 11,460                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 26.5                           | 11,460                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 27.5                           | 11,460                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 28.5                           | 2,606                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 29.5                           | 4,039                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 30.5                           | 4,550                                        |                                       | 0.0000         | 1.0000        | 100.00                           |
| 31.5                           | 15,839                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 32.5                           | 20,915                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 33.5                           | 21,043                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 34.5                           | 24,818                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 35.5                           | 27,368                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 36.5                           | 30,045                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 37.5                           | 30,281                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 38.5                           | 32,536                                       |                                       | 0.0000         | 1.0000        | 100.00                           |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 385.0 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2009

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 33,820                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 40.5                           | 33,820                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 41.5                           | 33,863                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 42.5                           | 33,964                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 43.5                           | 35,277                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 44.5                           | 35,462                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 45.5                           | 34,015                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 46.5                           | 32,582                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 47.5                           | 32,071                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 48.5                           | 20,782                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 49.5                           | 15,706                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 50.5                           | 15,607                                       | 185                                   | 0.0119         | 0.9881        | 100.00                           |
| 51.5                           | 11,090                                       | 572                                   | 0.0516         | 0.9484        | 98.81                            |
| 52.5                           | 7,969                                        |                                       | 0.0000         | 1.0000        | 93.72                            |
| 53.5                           | 5,292                                        |                                       | 0.0000         | 1.0000        | 93.72                            |
| 54.5                           | 5,109                                        | 12                                    | 0.0023         | 0.9977        | 93.72                            |
| 55.5                           | 2,841                                        |                                       | 0.0000         | 1.0000        | 93.50                            |
| 56.5                           | 1,558                                        | 54                                    | 0.0344         | 0.9656        | 93.50                            |
| 57.5                           | 1,602                                        |                                       | 0.0000         | 1.0000        | 90.28                            |
| 58.5                           | 1,559                                        |                                       | 0.0000         | 1.0000        | 90.28                            |
| 59.5                           | 1,458                                        |                                       | 0.0000         | 1.0000        | 90.28                            |
| 60.5                           | 144                                          |                                       | 0.0000         | 1.0000        | 90.28                            |
| 61.5                           | 144                                          |                                       | 0.0000         | 1.0000        | 90.28                            |
| 62.5                           | 115                                          |                                       | 0.0000         | 1.0000        | 90.28                            |
| 63.5                           | 115                                          |                                       | 0.0000         | 1.0000        | 90.28                            |
| 64.5                           | 115                                          |                                       | 0.0000         | 1.0000        | 90.28                            |
| 65.5                           | 115                                          |                                       | 0.0000         | 1.0000        | 90.28                            |
| 66.5                           | 115                                          |                                       | 0.0000         | 1.0000        | 90.28                            |
| 67.5                           | 97                                           |                                       | 0.0000         | 1.0000        | 90.28                            |
| 68.5                           | 97                                           |                                       | 0.0000         | 1.0000        | 90.28                            |
| 69.5                           | 97                                           |                                       | 0.0000         | 1.0000        | 90.28                            |
| 70.5                           | 97                                           |                                       | 0.0000         | 1.0000        | 90.28                            |
| 71.5                           | 97                                           |                                       | 0.0000         | 1.0000        | 90.28                            |
| 72.5                           | 97                                           |                                       | 0.0000         | 1.0000        | 90.28                            |
| 73.5                           | 97                                           |                                       | 0.0000         | 1.0000        | 90.28                            |
| 74.5                           |                                              |                                       |                |               | 90.28                            |
| 75.5                           |                                              |                                       |                |               |                                  |
| 76.5                           |                                              |                                       |                |               |                                  |
| 77.5                           |                                              |                                       |                |               |                                  |
| 78.5                           |                                              |                                       |                |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 385.0 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

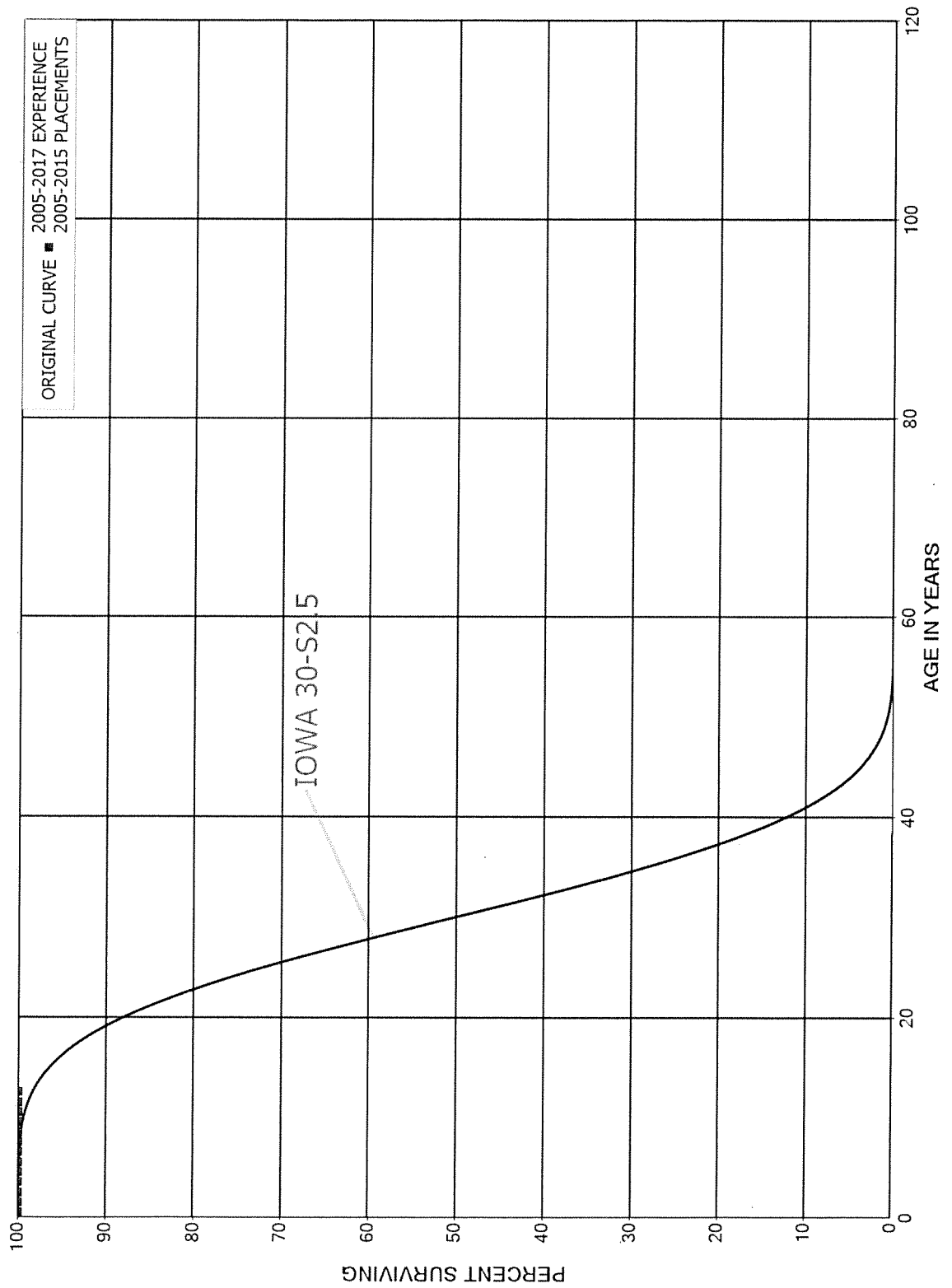
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1905-2009

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 79.5                           |                                              |                                       |                |               |                                  |
| 80.5                           |                                              |                                       |                |               |                                  |
| 81.5                           |                                              |                                       |                |               |                                  |
| 82.5                           |                                              |                                       |                |               |                                  |
| 83.5                           |                                              |                                       |                |               |                                  |
| 84.5                           |                                              |                                       |                |               |                                  |
| 85.5                           |                                              |                                       |                |               |                                  |
| 86.5                           |                                              |                                       |                |               |                                  |
| 87.5                           |                                              |                                       |                |               |                                  |
| 88.5                           |                                              |                                       |                |               |                                  |
| 89.5                           |                                              |                                       |                |               |                                  |
| 90.5                           |                                              |                                       |                |               |                                  |
| 91.5                           |                                              |                                       |                |               |                                  |
| 92.5                           |                                              |                                       |                |               |                                  |
| 93.5                           |                                              |                                       |                |               |                                  |
| 94.5                           |                                              |                                       |                |               |                                  |
| 95.5                           | 3,320                                        |                                       | 0.0000         |               |                                  |
| 96.5                           | 3,320                                        | 59                                    | 0.0178         |               |                                  |
| 97.5                           | 3,261                                        | 576                                   | 0.1766         |               |                                  |
| 98.5                           | 2,685                                        | 576                                   | 0.2145         |               |                                  |
| 99.5                           | 2,109                                        |                                       | 0.0000         |               |                                  |
| 100.5                          | 2,109                                        |                                       | 0.0000         |               |                                  |
| 101.5                          | 2,109                                        | 2,109                                 | 1.0000         |               |                                  |
| 102.5                          |                                              |                                       |                |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 371.0 AND 387.0 OTHER EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 371.0 AND 387.0 OTHER EQUIPMENT

ORIGINAL LIFE TABLE

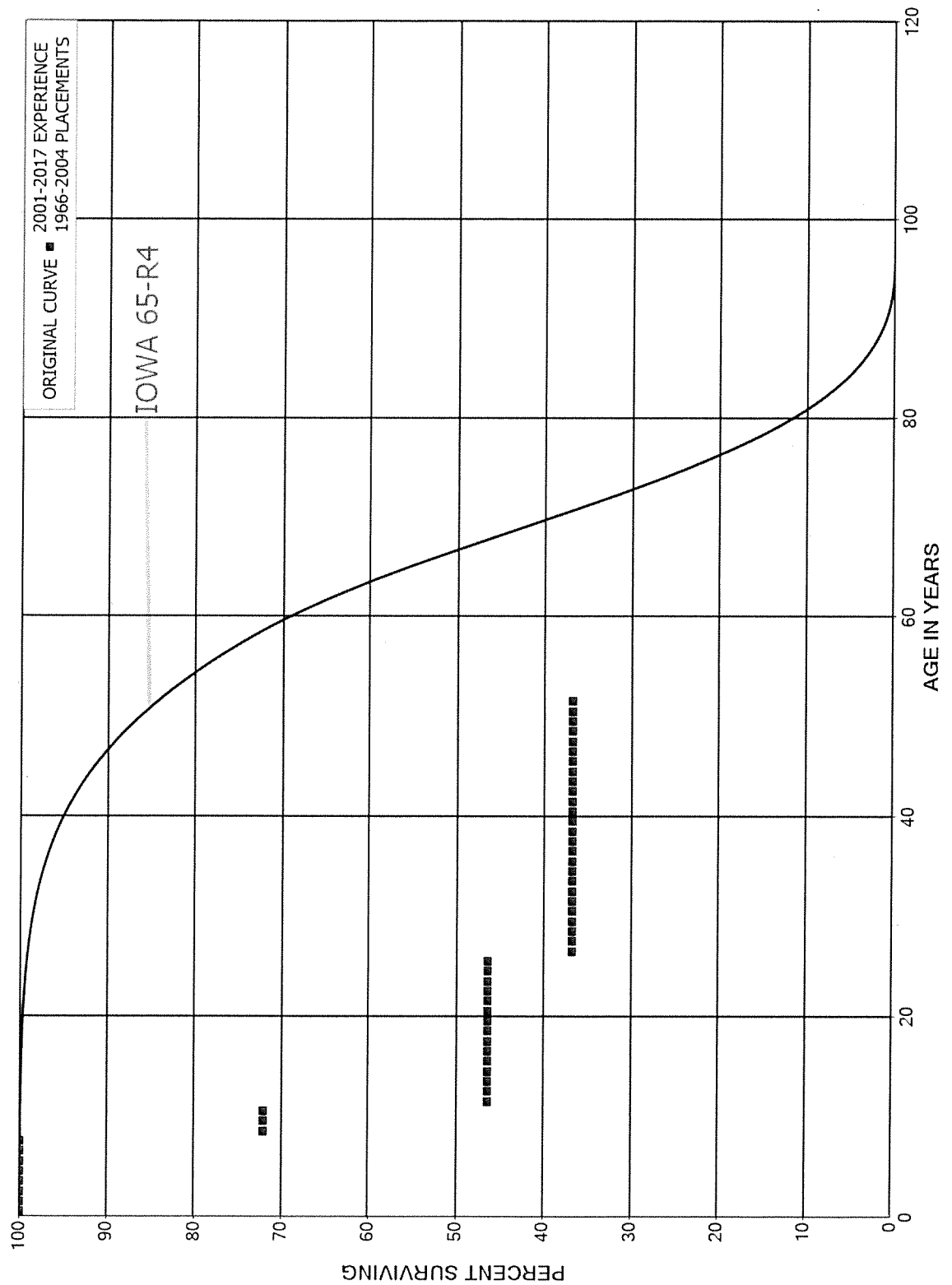
PLACEMENT BAND 2005-2015

EXPERIENCE BAND 2005-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 65,197                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 65,197                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 65,197                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 6.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 7.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 8.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 9.5                            | 57,367                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 10.5                           | 38,653                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 11.5                           | 17,382                                       |                                       | 0.0000         | 1.0000        | 100.00                           |
| 12.5                           |                                              |                                       |                |               | 100.00                           |



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 389.1 LAND AND LAND RIGHTS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 389.1 LAND AND LAND RIGHTS  
ORIGINAL LIFE TABLE

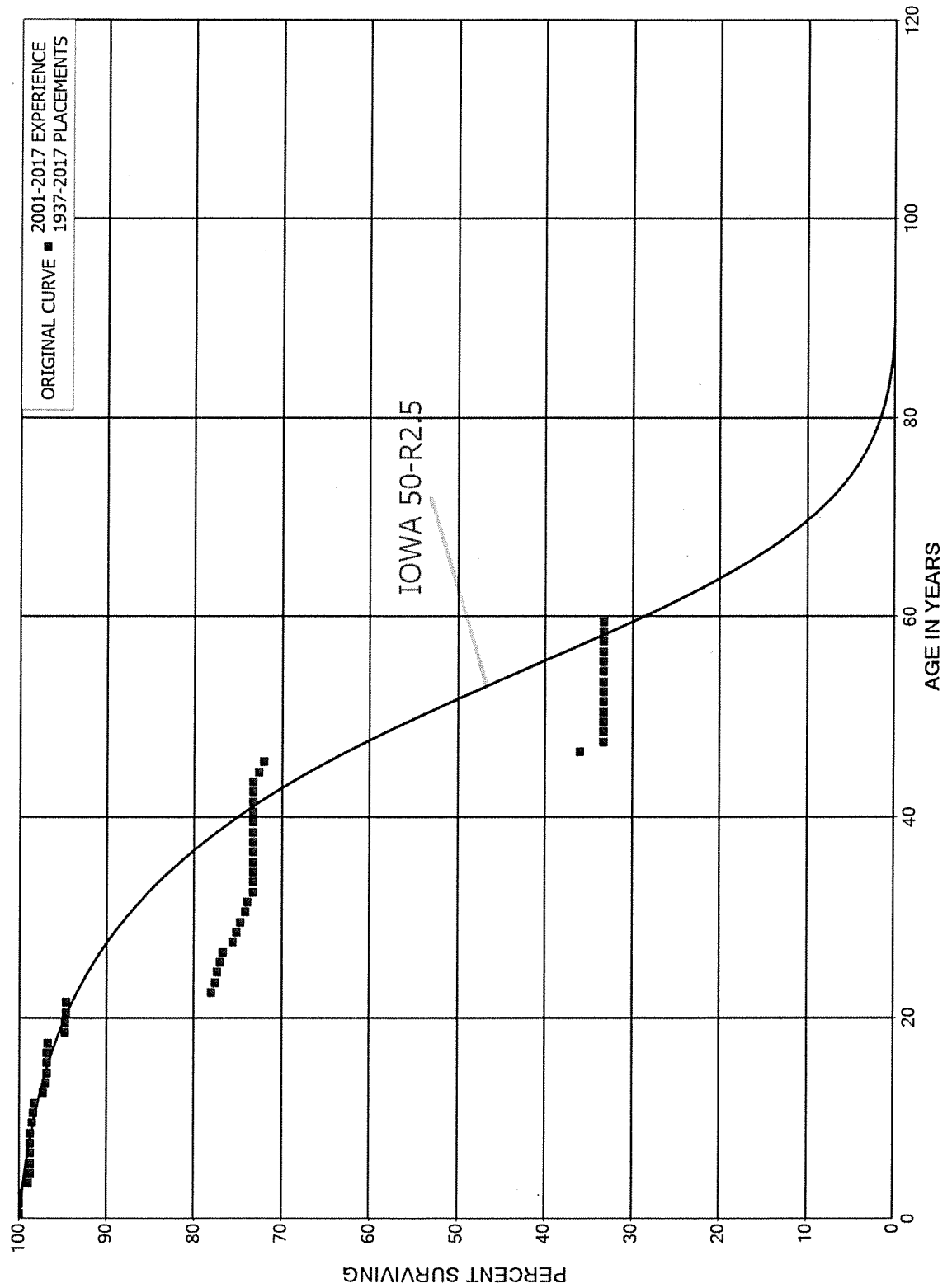
| PLACEMENT BAND 1966-2004       |                                              |                                       | EXPERIENCE BAND 2001-2017 |               |                                  |
|--------------------------------|----------------------------------------------|---------------------------------------|---------------------------|---------------|----------------------------------|
| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO            | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
| 0.0                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 0.5                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 1.5                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 2.5                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 3.5                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 4.5                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 5.5                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 6.5                            | 95,558                                       |                                       | 0.0000                    | 1.0000        | 100.00                           |
| 7.5                            | 95,558                                       | 26,677                                | 0.2792                    | 0.7208        | 100.00                           |
| 8.5                            | 68,881                                       |                                       | 0.0000                    | 1.0000        | 72.08                            |
| 9.5                            | 1,083,764                                    |                                       | 0.0000                    | 1.0000        | 72.08                            |
| 10.5                           | 1,456,465                                    | 518,686                               | 0.3561                    | 0.6439        | 72.08                            |
| 11.5                           | 937,780                                      |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 12.5                           | 1,486,054                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 13.5                           | 1,417,173                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 14.5                           | 1,470,239                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 15.5                           | 1,470,239                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 16.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 17.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 18.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 19.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 20.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 21.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 22.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 23.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 24.5                           | 1,765,690                                    |                                       | 0.0000                    | 1.0000        | 46.41                            |
| 25.5                           | 1,765,690                                    | 367,625                               | 0.2082                    | 0.7918        | 46.41                            |
| 26.5                           | 901,868                                      |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 27.5                           | 529,166                                      |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 28.5                           | 529,166                                      |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 29.5                           | 348,517                                      |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 30.5                           | 355,287                                      |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 31.5                           | 302,221                                      |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 32.5                           | 302,221                                      |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 33.5                           | 6,770                                        |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 34.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 35.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 36.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 37.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 38.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 389.1 LAND AND LAND RIGHTS

ORIGINAL LIFE TABLE, CONT.

| PLACEMENT BAND 1966-2004       |                                              |                                       | EXPERIENCE BAND 2001-2017 |               |                                  |
|--------------------------------|----------------------------------------------|---------------------------------------|---------------------------|---------------|----------------------------------|
| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO            | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
| 39.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 40.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 41.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 42.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 43.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 44.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 45.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 46.5                           | 15,796                                       |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 47.5                           | 9,026                                        |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 48.5                           | 9,026                                        |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 49.5                           | 9,026                                        |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 50.5                           | 9,026                                        |                                       | 0.0000                    | 1.0000        | 36.75                            |
| 51.5                           |                                              |                                       |                           |               | 36.75                            |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 390.0 STRUCTURES AND IMPROVEMENTS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 390.0 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1937-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 3,002,240                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 2,955,680                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 2,683,909                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 2,477,106                                    | 26,807                                | 0.0108         | 0.9892        | 100.00                           |
| 3.5                            | 2,460,108                                    | 3,745                                 | 0.0015         | 0.9985        | 98.92                            |
| 4.5                            | 2,281,777                                    |                                       | 0.0000         | 1.0000        | 98.77                            |
| 5.5                            | 2,171,828                                    |                                       | 0.0000         | 1.0000        | 98.77                            |
| 6.5                            | 2,068,970                                    |                                       | 0.0000         | 1.0000        | 98.77                            |
| 7.5                            | 2,228,669                                    | 660                                   | 0.0003         | 0.9997        | 98.77                            |
| 8.5                            | 2,259,761                                    | 5,327                                 | 0.0024         | 0.9976        | 98.74                            |
| 9.5                            | 4,578,297                                    | 7,629                                 | 0.0017         | 0.9983        | 98.51                            |
| 10.5                           | 5,667,851                                    | 5,472                                 | 0.0010         | 0.9990        | 98.34                            |
| 11.5                           | 4,053,845                                    | 41,513                                | 0.0102         | 0.9898        | 98.25                            |
| 12.5                           | 6,189,426                                    | 19,821                                | 0.0032         | 0.9968        | 97.24                            |
| 13.5                           | 5,965,120                                    | 6,149                                 | 0.0010         | 0.9990        | 96.93                            |
| 14.5                           | 6,088,389                                    |                                       | 0.0000         | 1.0000        | 96.83                            |
| 15.5                           | 5,947,553                                    |                                       | 0.0000         | 1.0000        | 96.83                            |
| 16.5                           | 6,980,168                                    | 3,758                                 | 0.0005         | 0.9995        | 96.83                            |
| 17.5                           | 6,957,725                                    | 149,514                               | 0.0215         | 0.9785        | 96.78                            |
| 18.5                           | 6,805,014                                    | 969                                   | 0.0001         | 0.9999        | 94.70                            |
| 19.5                           | 6,804,045                                    | 4,395                                 | 0.0006         | 0.9994        | 94.68                            |
| 20.5                           | 6,726,533                                    | 3,530                                 | 0.0005         | 0.9995        | 94.62                            |
| 21.5                           | 6,722,050                                    | 1,172,591                             | 0.1744         | 0.8256        | 94.57                            |
| 22.5                           | 5,498,812                                    | 29,453                                | 0.0054         | 0.9946        | 78.08                            |
| 23.5                           | 5,463,183                                    | 16,332                                | 0.0030         | 0.9970        | 77.66                            |
| 24.5                           | 5,297,248                                    | 26,660                                | 0.0050         | 0.9950        | 77.43                            |
| 25.5                           | 5,145,537                                    | 22,485                                | 0.0044         | 0.9956        | 77.04                            |
| 26.5                           | 3,992,483                                    | 57,752                                | 0.0145         | 0.9855        | 76.70                            |
| 27.5                           | 3,021,536                                    | 16,879                                | 0.0056         | 0.9944        | 75.59                            |
| 28.5                           | 2,987,663                                    | 16,349                                | 0.0055         | 0.9945        | 75.17                            |
| 29.5                           | 1,986,713                                    | 14,862                                | 0.0075         | 0.9925        | 74.76                            |
| 30.5                           | 1,979,836                                    | 7,092                                 | 0.0036         | 0.9964        | 74.20                            |
| 31.5                           | 1,172,329                                    | 10,265                                | 0.0088         | 0.9912        | 73.93                            |
| 32.5                           | 1,204,338                                    |                                       | 0.0000         | 1.0000        | 73.28                            |
| 33.5                           | 194,520                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 34.5                           | 194,520                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 35.5                           | 194,520                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 36.5                           | 194,520                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 37.5                           | 194,520                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 38.5                           | 194,858                                      |                                       | 0.0000         | 1.0000        | 73.28                            |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 390.0 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE, CONT.

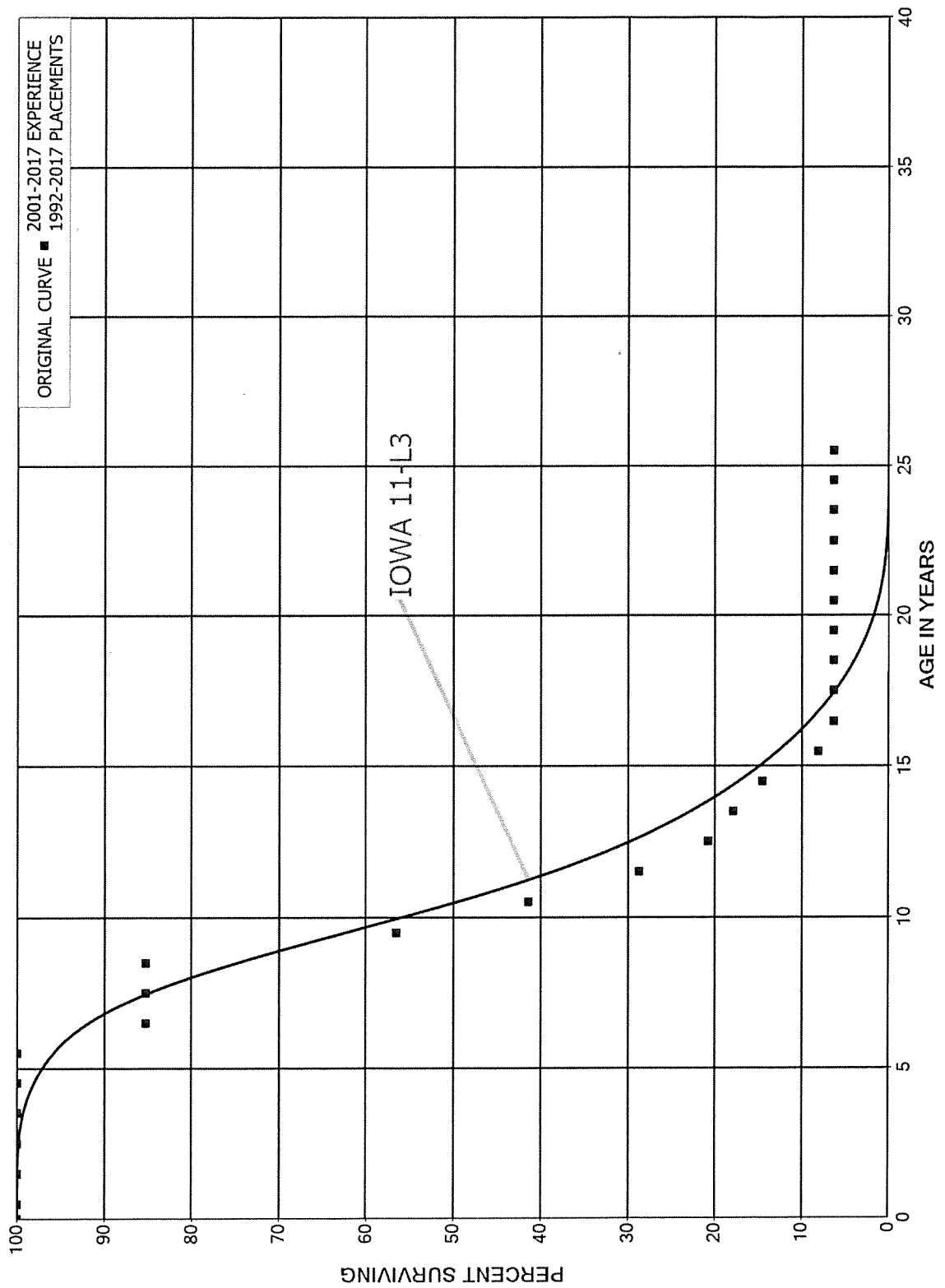
PLACEMENT BAND 1937-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 194,858                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 40.5                           | 194,858                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 41.5                           | 194,451                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 42.5                           | 194,872                                      |                                       | 0.0000         | 1.0000        | 73.28                            |
| 43.5                           | 194,872                                      | 1,785                                 | 0.0092         | 0.9908        | 73.28                            |
| 44.5                           | 193,087                                      | 1,489                                 | 0.0077         | 0.9923        | 72.61                            |
| 45.5                           | 190,633                                      | 95,628                                | 0.5016         | 0.4984        | 72.05                            |
| 46.5                           | 93,327                                       | 6,758                                 | 0.0724         | 0.9276        | 35.91                            |
| 47.5                           | 80,370                                       |                                       | 0.0000         | 1.0000        | 33.31                            |
| 48.5                           | 35,105                                       |                                       | 0.0000         | 1.0000        | 33.31                            |
| 49.5                           | 1,078                                        |                                       | 0.0000         | 1.0000        | 33.31                            |
| 50.5                           | 1,078                                        |                                       | 0.0000         | 1.0000        | 33.31                            |
| 51.5                           | 1,078                                        |                                       | 0.0000         | 1.0000        | 33.31                            |
| 52.5                           | 1,078                                        |                                       | 0.0000         | 1.0000        | 33.31                            |
| 53.5                           | 1,078                                        |                                       | 0.0000         | 1.0000        | 33.31                            |
| 54.5                           | 1,078                                        |                                       | 0.0000         | 1.0000        | 33.31                            |
| 55.5                           | 740                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 56.5                           | 740                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 57.5                           | 740                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 58.5                           | 740                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 59.5                           | 319                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 60.5                           | 319                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 61.5                           | 319                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 62.5                           | 319                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 63.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 64.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 65.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 66.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 67.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 68.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 69.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 70.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 71.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 72.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 73.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 74.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 75.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 76.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 77.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 78.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 79.5                           | 523                                          |                                       | 0.0000         | 1.0000        | 33.31                            |
| 80.5                           |                                              |                                       |                |               |                                  |



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 392.1 TRANSPORTATION EQUIPMENT - AUTOS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.1 TRANSPORTATION EQUIPMENT - AUTOS

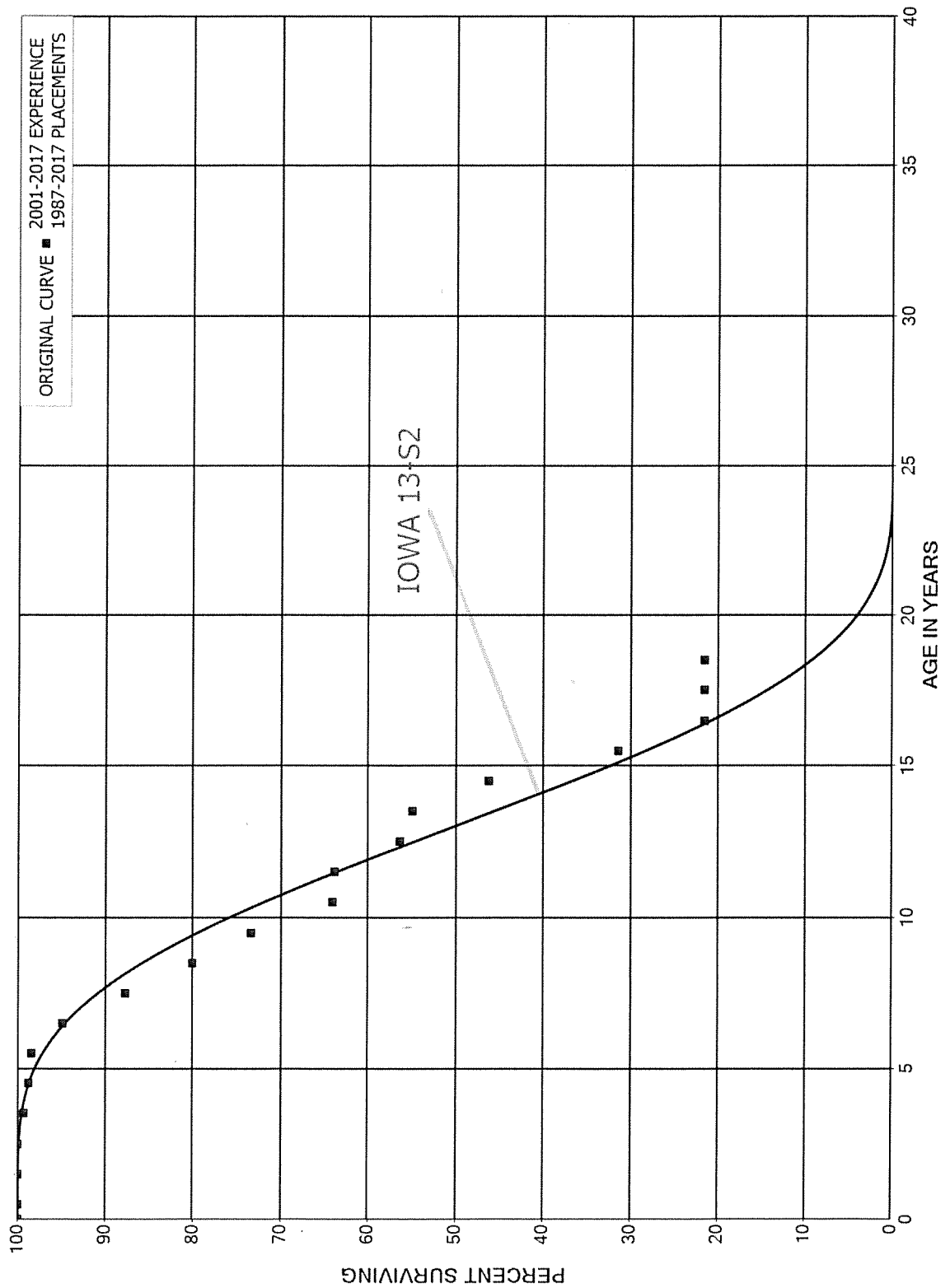
ORIGINAL LIFE TABLE

PLACEMENT BAND 1992-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 1,632,397                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 1,465,600                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 1,438,104                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 1,064,163                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 488,773                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 392,066                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 140,648                                      | 20,727                                | 0.1474         | 0.8526        | 100.00                           |
| 6.5                            | 226,492                                      |                                       | 0.0000         | 1.0000        | 85.26                            |
| 7.5                            | 501,114                                      |                                       | 0.0000         | 1.0000        | 85.26                            |
| 8.5                            | 637,246                                      | 215,277                               | 0.3378         | 0.6622        | 85.26                            |
| 9.5                            | 337,586                                      | 90,089                                | 0.2669         | 0.7331        | 56.46                            |
| 10.5                           | 247,496                                      | 75,865                                | 0.3065         | 0.6935        | 41.39                            |
| 11.5                           | 171,631                                      | 47,426                                | 0.2763         | 0.7237        | 28.70                            |
| 12.5                           | 106,682                                      | 14,959                                | 0.1402         | 0.8598        | 20.77                            |
| 13.5                           | 91,722                                       | 17,271                                | 0.1883         | 0.8117        | 17.86                            |
| 14.5                           | 74,451                                       | 33,148                                | 0.4452         | 0.5548        | 14.50                            |
| 15.5                           | 41,303                                       | 9,011                                 | 0.2182         | 0.7818        | 8.04                             |
| 16.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 17.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 18.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 19.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 20.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 21.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 22.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 23.5                           | 32,292                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 24.5                           | 16,574                                       |                                       | 0.0000         | 1.0000        | 6.29                             |
| 25.5                           |                                              |                                       |                |               | 6.29                             |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 392.2 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.2 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS

ORIGINAL LIFE TABLE

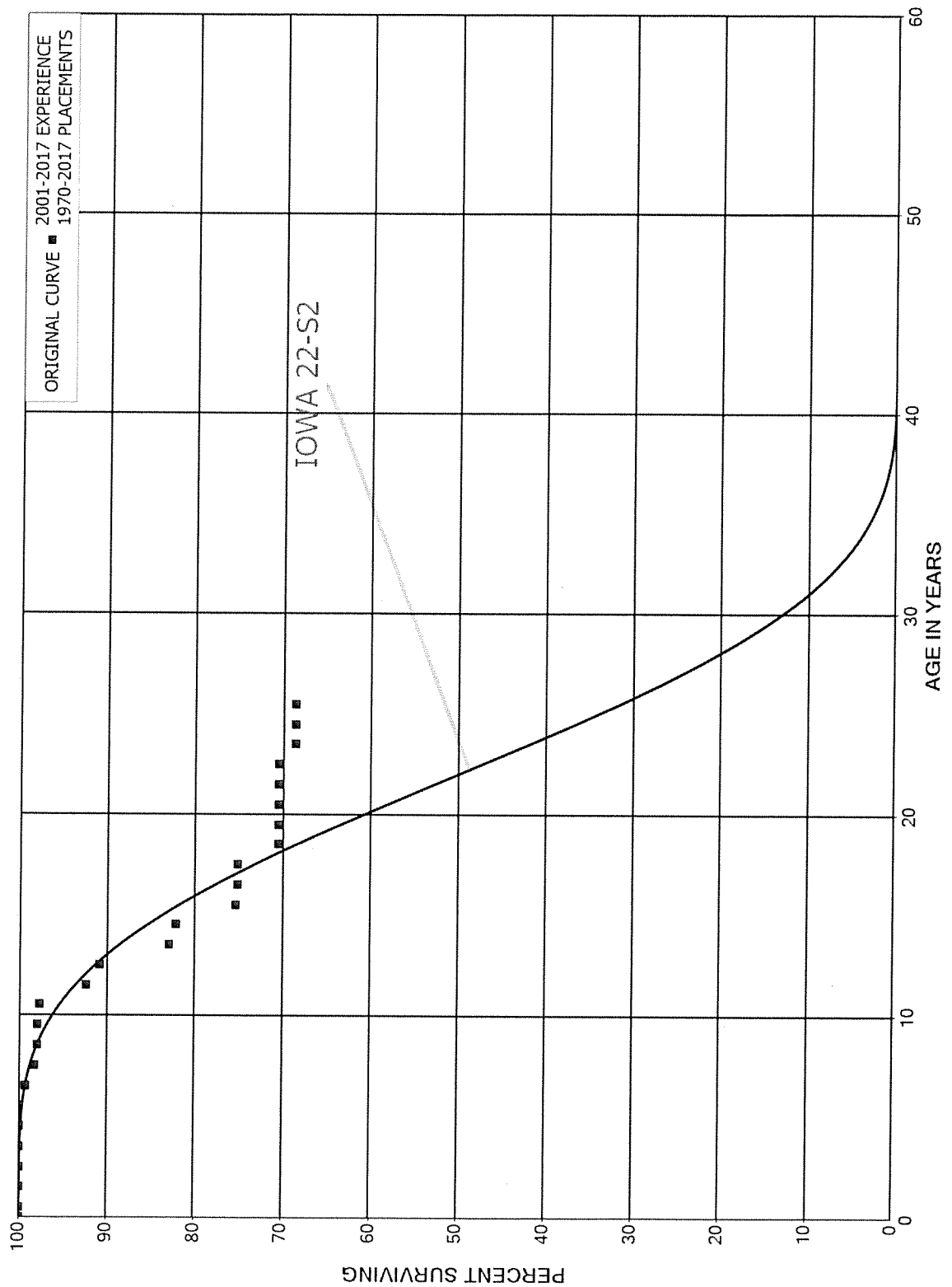
PLACEMENT BAND 1987-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 4,293,356                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 4,234,182                                    | 795                                   | 0.0002         | 0.9998        | 100.00                           |
| 1.5                            | 3,579,309                                    | 411                                   | 0.0001         | 0.9999        | 99.98                            |
| 2.5                            | 3,453,355                                    | 23,167                                | 0.0067         | 0.9933        | 99.97                            |
| 3.5                            | 3,336,208                                    | 19,243                                | 0.0058         | 0.9942        | 99.30                            |
| 4.5                            | 2,768,152                                    | 8,248                                 | 0.0030         | 0.9970        | 98.73                            |
| 5.5                            | 2,651,571                                    | 97,431                                | 0.0367         | 0.9633        | 98.43                            |
| 6.5                            | 2,194,600                                    | 163,311                               | 0.0744         | 0.9256        | 94.82                            |
| 7.5                            | 2,033,309                                    | 178,474                               | 0.0878         | 0.9122        | 87.76                            |
| 8.5                            | 1,406,419                                    | 117,135                               | 0.0833         | 0.9167        | 80.06                            |
| 9.5                            | 1,093,556                                    | 138,494                               | 0.1266         | 0.8734        | 73.39                            |
| 10.5                           | 740,682                                      | 2,937                                 | 0.0040         | 0.9960        | 64.09                            |
| 11.5                           | 254,915                                      | 29,882                                | 0.1172         | 0.8828        | 63.84                            |
| 12.5                           | 225,033                                      | 5,564                                 | 0.0247         | 0.9753        | 56.36                            |
| 13.5                           | 171,038                                      | 27,261                                | 0.1594         | 0.8406        | 54.96                            |
| 14.5                           | 143,777                                      | 46,138                                | 0.3209         | 0.6791        | 46.20                            |
| 15.5                           | 97,639                                       | 30,597                                | 0.3134         | 0.6866        | 31.38                            |
| 16.5                           | 67,042                                       |                                       | 0.0000         | 1.0000        | 21.54                            |
| 17.5                           | 67,042                                       |                                       | 0.0000         | 1.0000        | 21.54                            |
| 18.5                           | 17,472                                       |                                       | 0.0000         | 1.0000        | 21.54                            |
| 19.5                           | 17,472                                       |                                       | 0.0000         | 1.0000        | 21.54                            |
| 20.5                           | 9,088                                        |                                       | 0.0000         | 1.0000        | 21.54                            |
| 21.5                           | 5,811                                        |                                       | 0.0000         | 1.0000        | 21.54                            |
| 22.5                           |                                              |                                       |                |               | 21.54                            |



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 392.3 TRANSPORTATION EQUIPMENT - TRAILERS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.3 TRANSPORTATION EQUIPMENT - TRAILERS

ORIGINAL LIFE TABLE

PLACEMENT BAND 1970-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 243,148                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 328,192                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 361,938                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 424,192                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 418,765                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 453,718                                      |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 457,099                                      | 3,251                                 | 0.0071         | 0.9929        | 100.00                           |
| 6.5                            | 338,403                                      | 3,382                                 | 0.0100         | 0.9900        | 99.29                            |
| 7.5                            | 523,718                                      | 1,559                                 | 0.0030         | 0.9970        | 98.30                            |
| 8.5                            | 602,427                                      |                                       | 0.0000         | 1.0000        | 98.00                            |
| 9.5                            | 590,421                                      | 1,839                                 | 0.0031         | 0.9969        | 98.00                            |
| 10.5                           | 596,537                                      | 32,578                                | 0.0546         | 0.9454        | 97.70                            |
| 11.5                           | 563,960                                      | 9,590                                 | 0.0170         | 0.9830        | 92.36                            |
| 12.5                           | 557,216                                      | 48,133                                | 0.0864         | 0.9136        | 90.79                            |
| 13.5                           | 509,083                                      | 4,563                                 | 0.0090         | 0.9910        | 82.95                            |
| 14.5                           | 504,520                                      | 41,743                                | 0.0827         | 0.9173        | 82.21                            |
| 15.5                           | 462,777                                      | 1,650                                 | 0.0036         | 0.9964        | 75.40                            |
| 16.5                           | 461,127                                      |                                       | 0.0000         | 1.0000        | 75.14                            |
| 17.5                           | 396,403                                      | 24,469                                | 0.0617         | 0.9383        | 75.14                            |
| 18.5                           | 339,822                                      |                                       | 0.0000         | 1.0000        | 70.50                            |
| 19.5                           | 277,238                                      |                                       | 0.0000         | 1.0000        | 70.50                            |
| 20.5                           | 273,929                                      |                                       | 0.0000         | 1.0000        | 70.50                            |
| 21.5                           | 237,276                                      |                                       | 0.0000         | 1.0000        | 70.50                            |
| 22.5                           | 237,276                                      | 6,214                                 | 0.0262         | 0.9738        | 70.50                            |
| 23.5                           | 231,062                                      |                                       | 0.0000         | 1.0000        | 68.65                            |
| 24.5                           | 71,333                                       |                                       | 0.0000         | 1.0000        | 68.65                            |
| 25.5                           |                                              |                                       |                |               | 68.65                            |
| 26.5                           |                                              |                                       |                |               |                                  |
| 27.5                           |                                              |                                       |                |               |                                  |
| 28.5                           |                                              |                                       |                |               |                                  |
| 29.5                           |                                              |                                       |                |               |                                  |
| 30.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 31.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 32.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 33.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 34.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 35.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 36.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 37.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 38.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.3 TRANSPORTATION EQUIPMENT - TRAILERS

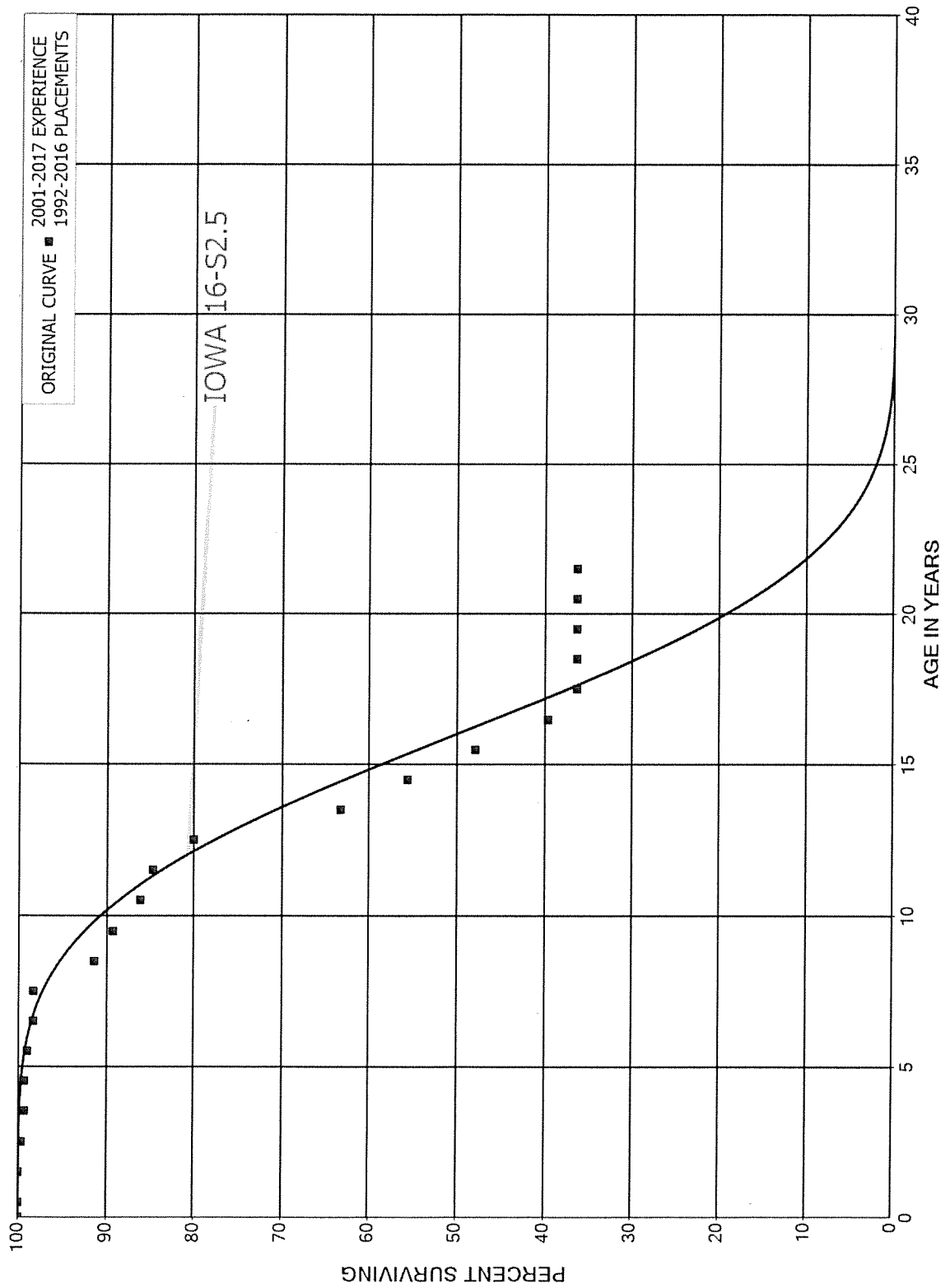
ORIGINAL LIFE TABLE, CONT.

PLACEMENT BAND 1970-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 39.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 40.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 41.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 42.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 43.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 44.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 45.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 46.5                           | 2,067                                        |                                       | 0.0000         |               |                                  |
| 47.5                           |                                              |                                       |                |               |                                  |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS

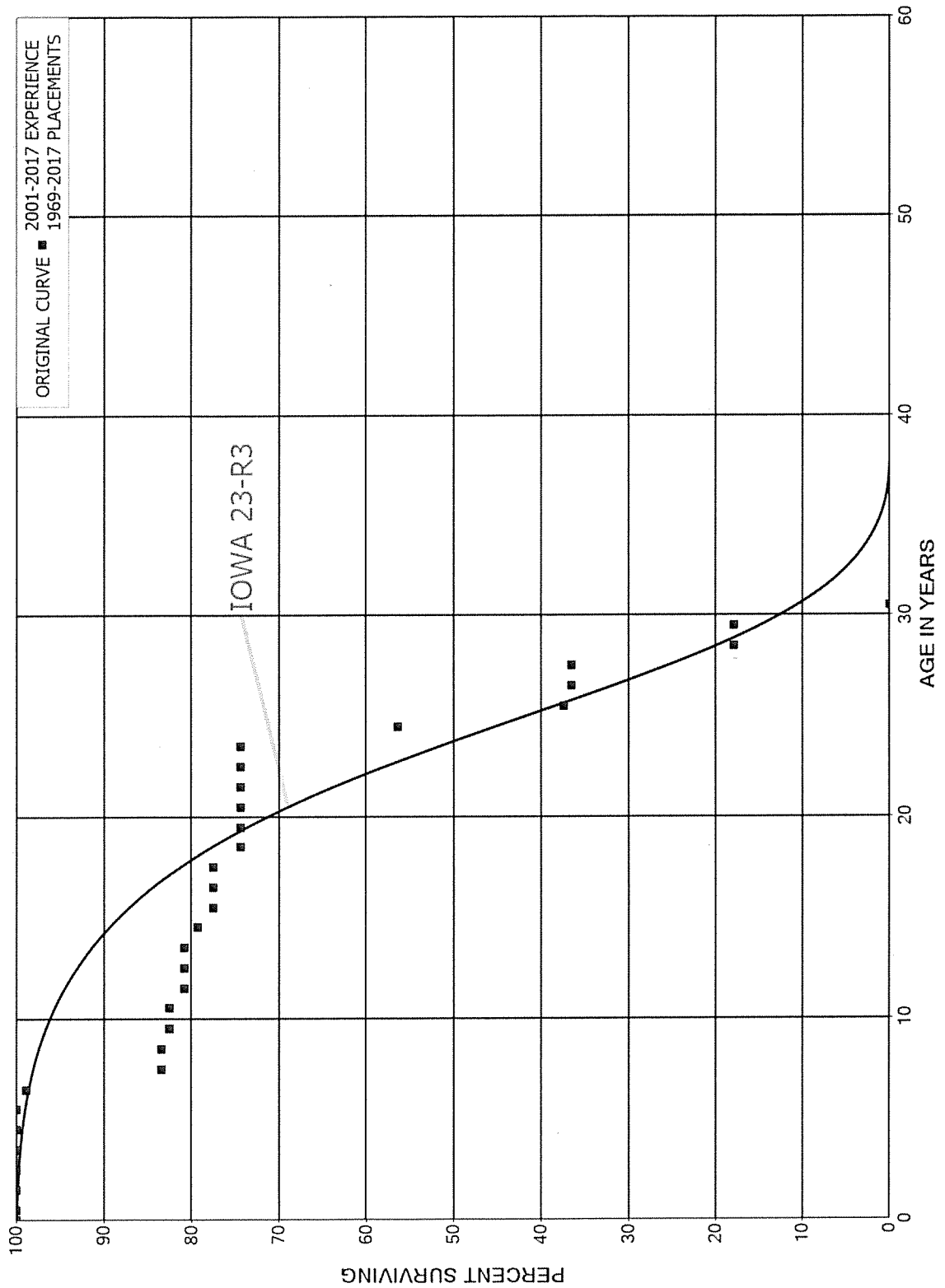
ORIGINAL LIFE TABLE

PLACEMENT BAND 1992-2016

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 3,002,654                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 3,002,654                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 3,251,316                                    | 10,751                                | 0.0033         | 0.9967        | 100.00                           |
| 2.5                            | 3,133,191                                    | 12,837                                | 0.0041         | 0.9959        | 99.67                            |
| 3.5                            | 3,239,663                                    |                                       | 0.0000         | 1.0000        | 99.26                            |
| 4.5                            | 3,312,532                                    | 10,376                                | 0.0031         | 0.9969        | 99.26                            |
| 5.5                            | 3,002,527                                    | 21,019                                | 0.0070         | 0.9930        | 98.95                            |
| 6.5                            | 3,174,403                                    |                                       | 0.0000         | 1.0000        | 98.26                            |
| 7.5                            | 3,282,504                                    | 228,388                               | 0.0696         | 0.9304        | 98.26                            |
| 8.5                            | 2,535,321                                    | 59,245                                | 0.0234         | 0.9766        | 91.42                            |
| 9.5                            | 2,454,904                                    | 84,574                                | 0.0345         | 0.9655        | 89.28                            |
| 10.5                           | 1,904,983                                    | 31,985                                | 0.0168         | 0.9832        | 86.21                            |
| 11.5                           | 1,187,105                                    | 65,113                                | 0.0548         | 0.9452        | 84.76                            |
| 12.5                           | 1,121,993                                    | 235,078                               | 0.2095         | 0.7905        | 80.11                            |
| 13.5                           | 449,530                                      | 54,923                                | 0.1222         | 0.8778        | 63.33                            |
| 14.5                           | 394,607                                      | 54,923                                | 0.1392         | 0.8608        | 55.59                            |
| 15.5                           | 339,684                                      | 58,449                                | 0.1721         | 0.8279        | 47.85                            |
| 16.5                           | 281,235                                      | 23,840                                | 0.0848         | 0.9152        | 39.62                            |
| 17.5                           | 257,395                                      |                                       | 0.0000         | 1.0000        | 36.26                            |
| 18.5                           | 51,073                                       |                                       | 0.0000         | 1.0000        | 36.26                            |
| 19.5                           | 51,073                                       |                                       | 0.0000         | 1.0000        | 36.26                            |
| 20.5                           | 51,073                                       |                                       | 0.0000         | 1.0000        | 36.26                            |
| 21.5                           |                                              |                                       |                |               | 36.26                            |

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 396.0 POWER OPERATED EQUIPMENT  
ORIGINAL AND SMOOTH SURVIVOR CURVES



VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 396.0 POWER OPERATED EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT BAND 1969-2017

EXPERIENCE BAND 2001-2017

| AGE AT<br>BEGIN OF<br>INTERVAL | EXPOSURES AT<br>BEGINNING OF<br>AGE INTERVAL | RETIREMENTS<br>DURING AGE<br>INTERVAL | RETMT<br>RATIO | SURV<br>RATIO | PCT SURV<br>BEGIN OF<br>INTERVAL |
|--------------------------------|----------------------------------------------|---------------------------------------|----------------|---------------|----------------------------------|
| 0.0                            | 1,091,448                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 0.5                            | 1,100,557                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 1.5                            | 1,139,820                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 2.5                            | 1,180,969                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 3.5                            | 1,114,290                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 4.5                            | 1,304,600                                    |                                       | 0.0000         | 1.0000        | 100.00                           |
| 5.5                            | 1,285,051                                    | 15,362                                | 0.0120         | 0.9880        | 100.00                           |
| 6.5                            | 1,099,691                                    | 171,255                               | 0.1557         | 0.8443        | 98.80                            |
| 7.5                            | 884,986                                      |                                       | 0.0000         | 1.0000        | 83.42                            |
| 8.5                            | 711,853                                      | 7,514                                 | 0.0106         | 0.9894        | 83.42                            |
| 9.5                            | 715,695                                      |                                       | 0.0000         | 1.0000        | 82.54                            |
| 10.5                           | 554,890                                      | 11,356                                | 0.0205         | 0.9795        | 82.54                            |
| 11.5                           | 505,926                                      |                                       | 0.0000         | 1.0000        | 80.85                            |
| 12.5                           | 515,034                                      |                                       | 0.0000         | 1.0000        | 80.85                            |
| 13.5                           | 485,866                                      | 9,108                                 | 0.0187         | 0.9813        | 80.85                            |
| 14.5                           | 476,759                                      | 10,745                                | 0.0225         | 0.9775        | 79.33                            |
| 15.5                           | 466,014                                      |                                       | 0.0000         | 1.0000        | 77.54                            |
| 16.5                           | 466,014                                      |                                       | 0.0000         | 1.0000        | 77.54                            |
| 17.5                           | 456,558                                      | 18,596                                | 0.0407         | 0.9593        | 77.54                            |
| 18.5                           | 320,034                                      |                                       | 0.0000         | 1.0000        | 74.39                            |
| 19.5                           | 214,151                                      |                                       | 0.0000         | 1.0000        | 74.39                            |
| 20.5                           | 214,151                                      |                                       | 0.0000         | 1.0000        | 74.39                            |
| 21.5                           | 57,950                                       |                                       | 0.0000         | 1.0000        | 74.39                            |
| 22.5                           | 76,757                                       |                                       | 0.0000         | 1.0000        | 74.39                            |
| 23.5                           | 77,842                                       | 18,807                                | 0.2416         | 0.7584        | 74.39                            |
| 24.5                           | 59,035                                       | 19,925                                | 0.3375         | 0.6625        | 56.41                            |
| 25.5                           | 39,110                                       | 866                                   | 0.0221         | 0.9779        | 37.37                            |
| 26.5                           | 38,244                                       |                                       | 0.0000         | 1.0000        | 36.55                            |
| 27.5                           | 38,244                                       | 19,555                                | 0.5113         | 0.4887        | 36.55                            |
| 28.5                           | 18,689                                       |                                       | 0.0000         | 1.0000        | 17.86                            |
| 29.5                           | 18,689                                       | 18,689                                | 1.0000         |               | 17.86                            |
| 30.5                           |                                              |                                       |                |               |                                  |
| 31.5                           | 12,749                                       |                                       | 0.0000         |               |                                  |
| 32.5                           | 12,749                                       | 12,749                                | 1.0000         |               |                                  |
| 33.5                           |                                              |                                       |                |               |                                  |

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## PART VIII. NET SALVAGE STATISTICS

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.1 LIQUEFIED PETROLEUM GAS EQUIPMENT

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2006  | 27,268                 |                              | 0   |                            | 0   |                          | 0   |
| 2007  | 110                    |                              | 0   |                            | 0   |                          | 0   |
| 2008  |                        | 769                          |     |                            |     | 769-                     |     |
| 2009  |                        |                              |     |                            |     |                          |     |
| 2010  | 42,219                 |                              | 0   |                            | 0   |                          | 0   |
| 2011  |                        |                              |     |                            |     |                          |     |
| 2012  | 2,391                  | 416                          | 17  |                            | 0   | 416-                     | 17- |
| 2013  | 3,521,481              |                              | 0   |                            | 0   |                          | 0   |
| 2014  |                        |                              |     |                            |     |                          |     |
| 2015  |                        |                              |     |                            |     |                          |     |
| 2016  |                        |                              |     |                            |     |                          |     |
| 2017  |                        |                              |     |                            |     |                          |     |
| TOTAL | 3,593,469              | 1,185                        | 0   |                            | 0   | 1,185-                   | 0   |

THREE-YEAR MOVING AVERAGES

|       |           |     |     |  |   |      |      |
|-------|-----------|-----|-----|--|---|------|------|
| 06-08 | 9,126     | 256 | 3   |  | 0 | 256- | 3-   |
| 07-09 | 36        | 256 | 702 |  | 0 | 256- | 702- |
| 08-10 | 14,073    | 256 | 2   |  | 0 | 256- | 2-   |
| 09-11 | 14,073    |     | 0   |  | 0 |      | 0    |
| 10-12 | 14,870    | 139 | 1   |  | 0 | 139- | 1-   |
| 11-13 | 1,174,624 | 139 | 0   |  | 0 | 139- | 0    |
| 12-14 | 1,174,624 | 139 | 0   |  | 0 | 139- | 0    |
| 13-15 | 1,173,827 |     | 0   |  | 0 |      | 0    |
| 14-16 |           |     |     |  |   |      |      |
| 15-17 |           |     |     |  |   |      |      |

FIVE-YEAR AVERAGE

|       |         |  |   |  |   |  |   |
|-------|---------|--|---|--|---|--|---|
| 13-17 | 704,296 |  | 0 |  | 0 |  | 0 |
|-------|---------|--|---|--|---|--|---|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.3 LIQUEFIED PETROLEUM GAS EQUIPMENT - SUPPLY LINES

SUMMARY OF BOOK SALVAGE

| YEAR                       | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|----------------------------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2013                       | 289,261                |                              | 0   |                            | 0   |                          | 0   |
| 2014                       |                        |                              |     |                            |     |                          |     |
| 2015                       |                        |                              |     |                            |     |                          |     |
| 2016                       |                        |                              |     |                            |     |                          |     |
| 2017                       |                        |                              |     |                            |     |                          |     |
| TOTAL                      | 289,261                |                              | 0   |                            | 0   |                          | 0   |
| THREE-YEAR MOVING AVERAGES |                        |                              |     |                            |     |                          |     |
| 13-15                      | 96,420                 |                              | 0   |                            | 0   |                          | 0   |
| 14-16                      |                        |                              |     |                            |     |                          |     |
| 15-17                      |                        |                              |     |                            |     |                          |     |
| FIVE-YEAR AVERAGE          |                        |                              |     |                            |     |                          |     |
| 13-17                      | 57,852                 |                              | 0   |                            | 0   |                          | 0   |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 375.0 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|------|
| 2006  | 1,071                  |                              | 0   |                            | 0   |                          | 0    |
| 2007  |                        | 13,356                       |     |                            |     | 13,356-                  |      |
| 2008  |                        |                              |     |                            |     |                          |      |
| 2009  |                        |                              |     |                            |     |                          |      |
| 2010  |                        |                              |     |                            |     |                          |      |
| 2011  |                        |                              |     |                            |     |                          |      |
| 2012  |                        |                              |     |                            |     |                          |      |
| 2013  |                        |                              |     |                            |     |                          |      |
| 2014  |                        |                              |     |                            |     |                          |      |
| 2015  |                        |                              |     |                            |     |                          |      |
| 2016  | 2,426                  |                              | 0   |                            | 0   |                          | 0    |
| 2017  |                        |                              |     |                            |     |                          |      |
| TOTAL | 3,496                  | 13,356                       | 382 |                            | 0   | 13,356-                  | 382- |

THREE-YEAR MOVING AVERAGES

|       |     |       |   |   |   |        |   |
|-------|-----|-------|---|---|---|--------|---|
| 06-08 | 357 | 4,452 |   | 0 |   | 4,452- |   |
| 07-09 |     | 4,452 |   |   |   | 4,452- |   |
| 08-10 |     |       |   |   |   |        |   |
| 09-11 |     |       |   |   |   |        |   |
| 10-12 |     |       |   |   |   |        |   |
| 11-13 |     |       |   |   |   |        |   |
| 12-14 |     |       |   |   |   |        |   |
| 13-15 |     |       |   |   |   |        |   |
| 14-16 | 809 |       | 0 |   | 0 |        | 0 |
| 15-17 | 809 |       | 0 |   | 0 |        | 0 |

FIVE-YEAR AVERAGE

|       |     |  |   |  |   |  |   |
|-------|-----|--|---|--|---|--|---|
| 13-17 | 485 |  | 0 |  | 0 |  | 0 |
|-------|-----|--|---|--|---|--|---|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 367.0 AND 376.0 MAINS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|------|
| 2001  | 10,606                 |                              | 0   |                            | 0   |                          | 0    |
| 2002  | 331,013                |                              | 0   |                            | 0   |                          | 0    |
| 2003  | 231,855                | 20,826                       | 9   |                            | 0   | 20,826-                  | 9-   |
| 2004  | 170,791                | 85,714                       | 50  |                            | 0   | 85,714-                  | 50-  |
| 2005  | 139,318                | 254,760                      | 183 |                            | 0   | 254,760-                 | 183- |
| 2006  | 163,928                | 727                          | 0   |                            | 0   | 727-                     | 0    |
| 2007  | 598,889                | 1,103,530                    | 184 |                            | 0   | 1,103,530-               | 184- |
| 2008  | 161,850                | 8,447                        | 5   |                            | 0   | 8,447-                   | 5-   |
| 2009  | 106,273                | 21,170                       | 20  |                            | 0   | 21,170-                  | 20-  |
| 2010  | 241,840                | 500,011                      | 207 |                            | 0   | 500,011-                 | 207- |
| 2011  | 368,958                | 227,782                      | 62  |                            | 0   | 227,782-                 | 62-  |
| 2012  | 983,072                | 582,780                      | 59  |                            | 0   | 582,780-                 | 59-  |
| 2013  | 1,607,452              | 731,676                      | 46  |                            | 0   | 731,676-                 | 46-  |
| 2014  | 1,149,071              | 555,377                      | 48  |                            | 0   | 555,377-                 | 48-  |
| 2015  | 1,229,300              | 830,850                      | 68  |                            | 0   | 830,850-                 | 68-  |
| 2016  | 809,440                | 1,839,083                    | 227 |                            | 0   | 1,839,083-               | 227- |
| 2017  | 491,993                | 224,239                      | 46  |                            | 0   | 224,239-                 | 46-  |
| TOTAL | 8,795,649              | 6,986,972                    | 79  |                            | 0   | 6,986,972-               | 79-  |

THREE-YEAR MOVING AVERAGES

|       |           |           |     |  |   |            |      |
|-------|-----------|-----------|-----|--|---|------------|------|
| 01-03 | 191,158   | 6,942     | 4   |  | 0 | 6,942-     | 4-   |
| 02-04 | 244,553   | 35,513    | 15  |  | 0 | 35,513-    | 15-  |
| 03-05 | 180,654   | 120,434   | 67  |  | 0 | 120,434-   | 67-  |
| 04-06 | 158,012   | 113,734   | 72  |  | 0 | 113,734-   | 72-  |
| 05-07 | 300,712   | 453,006   | 151 |  | 0 | 453,006-   | 151- |
| 06-08 | 308,222   | 370,901   | 120 |  | 0 | 370,901-   | 120- |
| 07-09 | 289,004   | 377,716   | 131 |  | 0 | 377,716-   | 131- |
| 08-10 | 169,988   | 176,543   | 104 |  | 0 | 176,543-   | 104- |
| 09-11 | 239,024   | 249,655   | 104 |  | 0 | 249,655-   | 104- |
| 10-12 | 531,290   | 436,858   | 82  |  | 0 | 436,858-   | 82-  |
| 11-13 | 986,494   | 514,079   | 52  |  | 0 | 514,079-   | 52-  |
| 12-14 | 1,246,532 | 623,278   | 50  |  | 0 | 623,278-   | 50-  |
| 13-15 | 1,328,608 | 705,968   | 53  |  | 0 | 705,968-   | 53-  |
| 14-16 | 1,062,604 | 1,075,103 | 101 |  | 0 | 1,075,103- | 101- |
| 15-17 | 843,578   | 964,724   | 114 |  | 0 | 964,724-   | 114- |

FIVE-YEAR AVERAGE

|       |           |         |    |  |   |          |     |
|-------|-----------|---------|----|--|---|----------|-----|
| 13-17 | 1,057,451 | 836,245 | 79 |  | 0 | 836,245- | 79- |
|-------|-----------|---------|----|--|---|----------|-----|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 369.0, 378.0 AND 379.0 MEASURING AND REGULATING STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|------|
| 2002  | 22,560                 |                              | 0   |                            | 0   |                          | 0    |
| 2003  | 27,870                 |                              | 0   |                            | 0   |                          | 0    |
| 2004  | 24,142                 | 945                          | 4   |                            | 0   | 945-                     | 4-   |
| 2005  | 43,457                 | 73,196                       | 168 |                            | 0   | 73,196-                  | 168- |
| 2006  | 6,907                  | 971                          | 14  |                            | 0   | 971-                     | 14-  |
| 2007  | 6,763                  | 33,849                       | 500 |                            | 0   | 33,849-                  | 500- |
| 2008  | 511                    |                              | 0   |                            | 0   |                          | 0    |
| 2009  | 41,730                 |                              | 0   |                            | 0   |                          | 0    |
| 2010  | 5,532                  | 757                          | 14  |                            | 0   | 757-                     | 14-  |
| 2011  | 7,032                  |                              | 0   |                            | 0   |                          | 0    |
| 2012  | 17,734                 |                              | 0   |                            | 0   |                          | 0    |
| 2013  | 235,160                | 1,510                        | 1   |                            | 0   | 1,510-                   | 1-   |
| 2014  | 7,346                  | 846                          | 12  |                            | 0   | 846-                     | 12-  |
| 2015  | 5,442                  | 1,618                        | 30  | 21,558                     | 396 | 19,940                   | 366  |
| 2016  | 30,625                 | 15,765                       | 51  |                            | 0   | 15,765-                  | 51-  |
| 2017  | 14,744                 | 29,552                       | 200 |                            | 0   | 29,552-                  | 200- |
| TOTAL | 497,555                | 159,008                      | 32  | 21,558                     | 4   | 137,451-                 | 28-  |

THREE-YEAR MOVING AVERAGES

|       |        |        |     |       |    |         |      |
|-------|--------|--------|-----|-------|----|---------|------|
| 02-04 | 24,857 | 315    | 1   |       | 0  | 315-    | 1-   |
| 03-05 | 31,823 | 24,714 | 78  |       | 0  | 24,714- | 78-  |
| 04-06 | 24,835 | 25,037 | 101 |       | 0  | 25,037- | 101- |
| 05-07 | 19,042 | 36,005 | 189 |       | 0  | 36,005- | 189- |
| 06-08 | 4,727  | 11,606 | 246 |       | 0  | 11,606- | 246- |
| 07-09 | 16,335 | 11,283 | 69  |       | 0  | 11,283- | 69-  |
| 08-10 | 15,924 | 252    | 2   |       | 0  | 252-    | 2-   |
| 09-11 | 18,098 | 252    | 1   |       | 0  | 252-    | 1-   |
| 10-12 | 10,099 | 252    | 2   |       | 0  | 252-    | 2-   |
| 11-13 | 86,642 | 503    | 1   |       | 0  | 503-    | 1-   |
| 12-14 | 86,747 | 786    | 1   |       | 0  | 786-    | 1-   |
| 13-15 | 82,649 | 1,325  | 2   | 7,186 | 9  | 5,861   | 7    |
| 14-16 | 14,471 | 6,076  | 42  | 7,186 | 50 | 1,109   | 8    |
| 15-17 | 16,937 | 15,645 | 92  | 7,186 | 42 | 8,459-  | 50-  |

FIVE-YEAR AVERAGE

|       |        |       |    |       |   |        |    |
|-------|--------|-------|----|-------|---|--------|----|
| 13-17 | 58,664 | 9,858 | 17 | 4,312 | 7 | 5,547- | 9- |
|-------|--------|-------|----|-------|---|--------|----|

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNTS 380.0 AND 380.1 SERVICES

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT  | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|------|--------------------------|------|
| 2002  | 19,618                 |                              | 0   |                            | 0    |                          | 0    |
| 2003  | 10,491                 | 36,062                       | 344 |                            | 0    | 36,062-                  | 344- |
| 2004  | 34,765                 | 66,387                       | 191 |                            | 0    | 66,387-                  | 191- |
| 2005  | 90,629                 | 124,532                      | 137 |                            | 0    | 124,532-                 | 137- |
| 2006  | 173,979                | 257,204                      | 148 |                            | 0    | 257,204-                 | 148- |
| 2007  | 65,900                 | 128,937                      | 196 | 344,226-                   | 522- | 473,163-                 | 718- |
| 2008  | 66,133                 | 1,009,527                    |     |                            | 0    | 1,009,527-               |      |
| 2009  | 122,002                | 732,273                      | 600 |                            | 0    | 732,273-                 | 600- |
| 2010  | 115,693                | 891,303                      | 770 |                            | 0    | 891,303-                 | 770- |
| 2011  | 144,085                | 1,176,144                    | 816 |                            | 0    | 1,176,144-               | 816- |
| 2012  | 108,226                | 648,932                      | 600 |                            | 0    | 648,932-                 | 600- |
| 2013  | 153,722                | 1,269,718                    | 826 |                            | 0    | 1,269,718-               | 826- |
| 2014  | 259,775                | 653,096                      | 251 |                            | 0    | 653,096-                 | 251- |
| 2015  | 1,132,868              | 1,632,631                    | 144 |                            | 0    | 1,632,631-               | 144- |
| 2016  | 1,039,307              | 2,215,401                    | 213 |                            | 0    | 2,215,401-               | 213- |
| 2017  | 315,423                | 1,100,312                    | 349 |                            | 0    | 1,100,312-               | 349- |
| TOTAL | 3,852,617              | 11,942,458                   | 310 | 344,226-                   | 9-   | 12,286,684-              | 319- |

THREE-YEAR MOVING AVERAGES

|       |         |           |     |          |      |            |      |
|-------|---------|-----------|-----|----------|------|------------|------|
| 02-04 | 21,625  | 34,150    | 158 |          | 0    | 34,150-    | 158- |
| 03-05 | 45,295  | 75,660    | 167 |          | 0    | 75,660-    | 167- |
| 04-06 | 99,791  | 149,374   | 150 |          | 0    | 149,374-   | 150- |
| 05-07 | 110,169 | 170,224   | 155 | 114,742- | 104- | 284,966-   | 259- |
| 06-08 | 102,004 | 465,223   | 456 | 114,742- | 112- | 579,965-   | 569- |
| 07-09 | 84,679  | 623,579   | 736 | 114,742- | 136- | 738,321-   | 872- |
| 08-10 | 101,276 | 877,701   | 867 |          | 0    | 877,701-   | 867- |
| 09-11 | 127,260 | 933,240   | 733 |          | 0    | 933,240-   | 733- |
| 10-12 | 122,668 | 905,460   | 738 |          | 0    | 905,460-   | 738- |
| 11-13 | 135,344 | 1,031,598 | 762 |          | 0    | 1,031,598- | 762- |
| 12-14 | 173,908 | 857,249   | 493 |          | 0    | 857,249-   | 493- |
| 13-15 | 515,455 | 1,185,149 | 230 |          | 0    | 1,185,149- | 230- |
| 14-16 | 810,650 | 1,500,376 | 185 |          | 0    | 1,500,376- | 185- |
| 15-17 | 829,199 | 1,649,448 | 199 |          | 0    | 1,649,448- | 199- |

FIVE-YEAR AVERAGE

|       |         |           |     |  |   |            |      |
|-------|---------|-----------|-----|--|---|------------|------|
| 13-17 | 580,219 | 1,374,232 | 237 |  | 0 | 1,374,232- | 237- |
|-------|---------|-----------|-----|--|---|------------|------|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 381.0 METERS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2003  | 96,057                 | 4,799-                       | 5-  |                            | 0   | 4,799                    | 5   |
| 2004  | 343,575                | 6,756                        | 2   |                            | 0   | 6,756-                   | 2-  |
| 2005  | 101,082                | 44,708                       | 44  |                            | 0   | 44,708-                  | 44- |
| 2006  | 234,879                | 51,184                       | 22  |                            | 0   | 51,184-                  | 22- |
| 2007  | 257,460                | 19,140                       | 7   | 31,327-                    | 12- | 50,467-                  | 20- |
| 2008  | 149,970                | 58,701                       | 39  |                            | 0   | 58,701-                  | 39- |
| 2009  | 197,916                | 97,272                       | 49  |                            | 0   | 97,272-                  | 49- |
| 2010  | 297,863                | 87,418                       | 29  |                            | 0   | 87,418-                  | 29- |
| 2011  | 325,739                | 156,614                      | 48  |                            | 0   | 156,614-                 | 48- |
| 2012  | 291,875                | 118,939                      | 41  |                            | 0   | 118,939-                 | 41- |
| 2013  | 335,944                | 114,668                      | 34  |                            | 0   | 114,668-                 | 34- |
| 2014  | 442,236                | 119,775                      | 27  |                            | 0   | 119,775-                 | 27- |
| 2015  | 323,496                | 86,302                       | 27  |                            | 0   | 86,302-                  | 27- |
| 2016  | 124,244                | 71,507                       | 58  |                            | 0   | 71,507-                  | 58- |
| 2017  | 202,579                | 61,946                       | 31  |                            | 0   | 61,946-                  | 31- |
| TOTAL | 3,724,913              | 1,090,134                    | 29  | 31,327-                    | 1-  | 1,121,460-               | 30- |

THREE-YEAR MOVING AVERAGES

|       |         |         |    |         |    |          |     |
|-------|---------|---------|----|---------|----|----------|-----|
| 03-05 | 180,238 | 15,555  | 9  |         | 0  | 15,555-  | 9-  |
| 04-06 | 226,512 | 34,216  | 15 |         | 0  | 34,216-  | 15- |
| 05-07 | 197,807 | 38,344  | 19 | 10,442- | 5- | 48,786-  | 25- |
| 06-08 | 214,103 | 43,009  | 20 | 10,442- | 5- | 53,451-  | 25- |
| 07-09 | 201,782 | 58,371  | 29 | 10,442- | 5- | 68,813-  | 34- |
| 08-10 | 215,249 | 81,131  | 38 |         | 0  | 81,131-  | 38- |
| 09-11 | 273,839 | 113,768 | 42 |         | 0  | 113,768- | 42- |
| 10-12 | 305,159 | 120,991 | 40 |         | 0  | 120,991- | 40- |
| 11-13 | 317,852 | 130,074 | 41 |         | 0  | 130,074- | 41- |
| 12-14 | 356,685 | 117,794 | 33 |         | 0  | 117,794- | 33- |
| 13-15 | 367,225 | 106,915 | 29 |         | 0  | 106,915- | 29- |
| 14-16 | 296,659 | 92,528  | 31 |         | 0  | 92,528-  | 31- |
| 15-17 | 216,773 | 73,252  | 34 |         | 0  | 73,252-  | 34- |

FIVE-YEAR AVERAGE

|       |         |        |    |  |   |         |     |
|-------|---------|--------|----|--|---|---------|-----|
| 13-17 | 285,700 | 90,840 | 32 |  | 0 | 90,840- | 32- |
|-------|---------|--------|----|--|---|---------|-----|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNTS 382.0 AND 382.1 METER INSTALLATIONS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|------|
| 2006  | 3,064                  | 58,937                       |     |                            | 0   | 58,937-                  |      |
| 2007  | 2,434                  | 18,328                       | 753 | 45,631-                    |     | 63,959-                  |      |
| 2008  | 28,670                 | 86,110                       | 300 |                            | 0   | 86,110-                  | 300- |
| 2009  | 3,217                  | 157,174                      |     |                            | 0   | 157,174-                 |      |
| 2010  | 7,692                  | 31,236                       | 406 |                            | 0   | 31,236-                  | 406- |
| 2011  | 11,681                 | 19,696                       | 169 |                            | 0   | 19,696-                  | 169- |
| 2012  | 8,200                  | 12,545                       | 153 |                            | 0   | 12,545-                  | 153- |
| 2013  | 9,250                  | 89,758                       | 970 |                            | 0   | 89,758-                  | 970- |
| 2014  | 11,709                 | 39,300                       | 336 |                            | 0   | 39,300-                  | 336- |
| 2015  | 18,238                 | 201,914                      |     |                            | 0   | 201,914-                 |      |
| 2016  | 76,468                 | 168,006                      | 220 |                            | 0   | 168,006-                 | 220- |
| 2017  | 25,144                 | 151,601                      | 603 |                            | 0   | 151,601-                 | 603- |
| TOTAL | 205,769                | 1,034,604                    | 503 | 45,631-                    | 22- | 1,080,235-               | 525- |

THREE-YEAR MOVING AVERAGES

|       |        |         |     |         |      |          |      |
|-------|--------|---------|-----|---------|------|----------|------|
| 06-08 | 11,389 | 54,458  | 478 | 15,210- | 134- | 69,669-  | 612- |
| 07-09 | 11,440 | 87,204  | 762 | 15,210- | 133- | 102,414- | 895- |
| 08-10 | 13,193 | 91,507  | 694 |         | 0    | 91,507-  | 694- |
| 09-11 | 7,530  | 69,368  | 921 |         | 0    | 69,368-  | 921- |
| 10-12 | 9,191  | 21,159  | 230 |         | 0    | 21,159-  | 230- |
| 11-13 | 9,711  | 40,666  | 419 |         | 0    | 40,666-  | 419- |
| 12-14 | 9,720  | 47,201  | 486 |         | 0    | 47,201-  | 486- |
| 13-15 | 13,066 | 110,324 | 844 |         | 0    | 110,324- | 844- |
| 14-16 | 35,472 | 136,407 | 385 |         | 0    | 136,407- | 385- |
| 15-17 | 39,950 | 173,840 | 435 |         | 0    | 173,840- | 435- |

FIVE-YEAR AVERAGE

|       |        |         |     |  |   |          |      |
|-------|--------|---------|-----|--|---|----------|------|
| 13-17 | 28,162 | 130,116 | 462 |  | 0 | 130,116- | 462- |
|-------|--------|---------|-----|--|---|----------|------|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 383.0 HOUSE REGULATORS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT  | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|------|--------------------------|------|
| 2006  | 7,693                  | 86,557                       |     |                            | 0    | 86,557-                  |      |
| 2007  | 9,180                  | 17,690                       | 193 | 45,631-                    | 497- | 63,321-                  | 690- |
| 2008  | 11,267                 | 86,115                       | 764 |                            | 0    | 86,115-                  | 764- |
| 2009  | 14,414                 | 236,186                      |     |                            | 0    | 236,186-                 |      |
| 2010  | 19,204                 | 198,683                      |     |                            | 0    | 198,683-                 |      |
| 2011  | 13,839                 | 48,075                       | 347 |                            | 0    | 48,075-                  | 347- |
| 2012  | 15,924                 | 36,357                       | 228 |                            | 0    | 36,357-                  | 228- |
| 2013  | 13,182                 | 90,237                       | 685 |                            | 0    | 90,237-                  | 685- |
| 2014  | 15,815                 | 95,195                       | 602 |                            | 0    | 95,195-                  | 602- |
| 2015  | 28,408                 | 200,785                      | 707 |                            | 0    | 200,785-                 | 707- |
| 2016  | 55,041                 | 239,413                      | 435 |                            | 0    | 239,413-                 | 435- |
| 2017  | 24,289                 | 194,367                      | 800 |                            | 0    | 194,367-                 | 800- |
| TOTAL | 228,255                | 1,529,660                    | 670 | 45,631-                    | 20-  | 1,575,292-               | 690- |

THREE-YEAR MOVING AVERAGES

|       |        |         |     |         |      |          |      |
|-------|--------|---------|-----|---------|------|----------|------|
| 06-08 | 9,380  | 63,454  | 677 | 15,210- | 162- | 78,664-  | 839- |
| 07-09 | 11,620 | 113,330 | 975 | 15,210- | 131- | 128,541- |      |
| 08-10 | 14,962 | 173,662 |     |         | 0    | 173,662- |      |
| 09-11 | 15,819 | 160,981 |     |         | 0    | 160,981- |      |
| 10-12 | 16,322 | 94,372  | 578 |         | 0    | 94,372-  | 578- |
| 11-13 | 14,315 | 58,223  | 407 |         | 0    | 58,223-  | 407- |
| 12-14 | 14,974 | 73,929  | 494 |         | 0    | 73,929-  | 494- |
| 13-15 | 19,135 | 128,739 | 673 |         | 0    | 128,739- | 673- |
| 14-16 | 33,088 | 178,464 | 539 |         | 0    | 178,464- | 539- |
| 15-17 | 35,913 | 211,522 | 589 |         | 0    | 211,522- | 589- |

FIVE-YEAR AVERAGE

|       |        |         |     |  |   |          |      |
|-------|--------|---------|-----|--|---|----------|------|
| 13-17 | 27,347 | 163,999 | 600 |  | 0 | 163,999- | 600- |
|-------|--------|---------|-----|--|---|----------|------|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 384.0 HOUSE REGULATOR INSTALLATIONS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2007  | 440                    | 175                          | 40  |                            | 0   | 175-                     | 40- |
| 2008  |                        |                              |     |                            |     |                          |     |
| 2009  |                        |                              |     |                            |     |                          |     |
| 2010  |                        |                              |     |                            |     |                          |     |
| 2011  |                        |                              |     |                            |     |                          |     |
| 2012  |                        |                              |     |                            |     |                          |     |
| 2013  |                        |                              |     |                            |     |                          |     |
| 2014  |                        |                              |     |                            |     |                          |     |
| 2015  |                        |                              |     |                            |     |                          |     |
| 2016  |                        |                              |     |                            |     |                          |     |
| 2017  |                        |                              |     |                            |     |                          |     |
| TOTAL | 440                    | 175                          | 40  |                            | 0   | 175-                     | 40- |

THREE-YEAR MOVING AVERAGES

|       |     |    |    |  |   |     |     |
|-------|-----|----|----|--|---|-----|-----|
| 07-09 | 146 | 58 | 40 |  | 0 | 58- | 40- |
| 08-10 |     |    |    |  |   |     |     |
| 09-11 |     |    |    |  |   |     |     |
| 10-12 |     |    |    |  |   |     |     |
| 11-13 |     |    |    |  |   |     |     |
| 12-14 |     |    |    |  |   |     |     |
| 13-15 |     |    |    |  |   |     |     |
| 14-16 |     |    |    |  |   |     |     |
| 15-17 |     |    |    |  |   |     |     |

FIVE-YEAR AVERAGE

13-17

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 385.0 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT  | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|------|--------------------------|------|
| 2002  | 59                     |                              | 0   |                            | 0    |                          | 0    |
| 2003  | 630                    |                              | 0   |                            | 0    |                          | 0    |
| 2004  | 576                    |                              | 0   |                            | 0    |                          | 0    |
| 2005  | 12                     |                              | 1   |                            | 0    |                          | 1-   |
| 2006  |                        |                              |     |                            |      |                          |      |
| 2007  | 2,866                  | 131                          | 5   | 3,982-                     | 139- | 4,113-                   | 143- |
| 2008  |                        |                              |     |                            |      |                          |      |
| 2009  |                        |                              |     |                            |      |                          |      |
| 2010  |                        |                              |     |                            |      |                          |      |
| 2011  |                        |                              |     |                            |      |                          |      |
| 2012  |                        |                              |     |                            |      |                          |      |
| 2013  |                        | 4,169                        |     |                            |      | 4,169-                   |      |
| 2014  |                        |                              |     |                            |      |                          |      |
| 2015  |                        |                              |     |                            |      |                          |      |
| 2016  |                        | 4,307                        |     |                            |      | 4,307-                   |      |
| 2017  |                        |                              |     |                            |      |                          |      |
| TOTAL | 4,143                  | 8,607                        | 208 | 3,982-                     | 96-  | 12,589-                  | 304- |

THREE-YEAR MOVING AVERAGES

|       |     |       |   |        |      |        |      |
|-------|-----|-------|---|--------|------|--------|------|
| 02-04 | 422 |       | 0 |        | 0    |        | 0    |
| 03-05 | 406 |       | 0 |        | 0    |        | 0    |
| 04-06 | 196 |       | 0 |        | 0    |        | 0    |
| 05-07 | 959 | 44    | 5 | 1,327- | 138- | 1,371- | 143- |
| 06-08 | 955 | 44    | 5 | 1,327- | 139- | 1,371- | 143- |
| 07-09 | 955 | 44    | 5 | 1,327- | 139- | 1,371- | 143- |
| 08-10 |     |       |   |        |      |        |      |
| 09-11 |     |       |   |        |      |        |      |
| 10-12 |     |       |   |        |      |        |      |
| 11-13 |     | 1,390 |   |        |      | 1,390- |      |
| 12-14 |     | 1,390 |   |        |      | 1,390- |      |
| 13-15 |     | 1,390 |   |        |      | 1,390- |      |
| 14-16 |     | 1,436 |   |        |      | 1,436- |      |
| 15-17 |     | 1,436 |   |        |      | 1,436- |      |

FIVE-YEAR AVERAGE

|       |       |  |  |  |  |        |  |
|-------|-------|--|--|--|--|--------|--|
| 13-17 | 1,695 |  |  |  |  | 1,695- |  |
|-------|-------|--|--|--|--|--------|--|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 390.0 STRUCTURES AND IMPROVEMENTS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT  |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|------|
| 2006  | 750                    |                              | 0   |                            | 0   |                          | 0    |
| 2007  |                        | 275                          |     |                            |     | 275-                     |      |
| 2008  | 153,909                |                              | 0   |                            | 0   |                          | 0    |
| 2009  |                        |                              |     |                            |     |                          |      |
| 2010  | 1,170,596              |                              | 0   |                            | 0   |                          | 0    |
| 2011  | 5,002                  |                              | 0   |                            | 0   |                          | 0    |
| 2012  | 17,547                 |                              | 0   |                            | 0   |                          | 0    |
| 2013  | 83,811                 |                              | 0   |                            | 0   |                          | 0    |
| 2014  | 31,530                 | 33,268                       | 106 |                            | 0   | 33,268-                  | 106- |
| 2015  | 197,412                |                              | 0   |                            | 0   |                          | 0    |
| 2016  | 102,712                |                              | 0   |                            | 0   |                          | 0    |
| 2017  | 12,400                 | 1,262                        | 10  |                            | 0   | 1,262-                   | 10-  |
| TOTAL | 1,775,668              | 34,805                       | 2   |                            | 0   | 34,805-                  | 2-   |

THREE-YEAR MOVING AVERAGES

|       |         |        |    |  |   |         |     |
|-------|---------|--------|----|--|---|---------|-----|
| 06-08 | 51,553  | 92     | 0  |  | 0 | 92-     | 0   |
| 07-09 | 51,303  | 92     | 0  |  | 0 | 92-     | 0   |
| 08-10 | 441,502 |        | 0  |  | 0 |         | 0   |
| 09-11 | 391,866 |        | 0  |  | 0 |         | 0   |
| 10-12 | 397,715 |        | 0  |  | 0 |         | 0   |
| 11-13 | 35,454  |        | 0  |  | 0 |         | 0   |
| 12-14 | 44,296  | 11,090 | 25 |  | 0 | 11,090- | 25- |
| 13-15 | 104,251 | 11,089 | 11 |  | 0 | 11,089- | 11- |
| 14-16 | 110,551 | 11,089 | 10 |  | 0 | 11,089- | 10- |
| 15-17 | 104,174 | 420    | 0  |  | 0 | 420-    | 0   |

FIVE-YEAR AVERAGE

|       |        |       |   |  |   |        |    |
|-------|--------|-------|---|--|---|--------|----|
| 13-17 | 85,573 | 6,906 | 8 |  | 0 | 6,906- | 8- |
|-------|--------|-------|---|--|---|--------|----|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.1 TRANSPORTATION EQUIPMENT - AUTOS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2002  | 195,533                |                              | 0   |                            | 0   |                          | 0   |
| 2003  | 148,374                |                              | 0   |                            | 0   |                          | 0   |
| 2004  | 20,727                 |                              | 0   |                            | 0   |                          | 0   |
| 2005  | 35,027                 |                              | 0   | 25,912                     | 74  | 25,912                   | 74  |
| 2006  | 31,709                 |                              | 0   |                            | 0   |                          | 0   |
| 2007  | 65,379                 |                              | 0   | 33,105                     | 51  | 33,105                   | 51  |
| 2008  |                        |                              |     | 9,941                      |     | 9,941                    |     |
| 2009  |                        |                              |     |                            |     |                          |     |
| 2010  | 9,011                  |                              | 0   |                            | 0   |                          | 0   |
| 2011  |                        |                              |     |                            |     |                          |     |
| 2012  |                        |                              |     |                            |     |                          |     |
| 2013  |                        |                              |     |                            |     |                          |     |
| 2014  |                        |                              |     |                            |     |                          |     |
| 2015  | 18,015                 |                              | 0   |                            | 0   |                          | 0   |
| 2016  |                        |                              |     | 11,068                     |     | 11,068                   |     |
| 2017  |                        |                              |     |                            |     |                          |     |
| TOTAL | 523,774                |                              | 0   | 80,026                     | 15  | 80,026                   | 15  |

THREE-YEAR MOVING AVERAGES

|       |         |   |        |     |        |     |
|-------|---------|---|--------|-----|--------|-----|
| 02-04 | 121,545 | 0 |        | 0   |        | 0   |
| 03-05 | 68,043  | 0 | 8,637  | 13  | 8,637  | 13  |
| 04-06 | 29,154  | 0 | 8,637  | 30  | 8,637  | 30  |
| 05-07 | 44,038  | 0 | 19,672 | 45  | 19,672 | 45  |
| 06-08 | 32,362  | 0 | 14,349 | 44  | 14,349 | 44  |
| 07-09 | 21,793  | 0 | 14,349 | 66  | 14,349 | 66  |
| 08-10 | 3,004   | 0 | 3,314  | 110 | 3,314  | 110 |
| 09-11 | 3,004   | 0 |        | 0   |        | 0   |
| 10-12 | 3,004   | 0 |        | 0   |        | 0   |
| 11-13 |         |   |        |     |        |     |
| 12-14 |         |   |        |     |        |     |
| 13-15 | 6,005   | 0 |        | 0   |        | 0   |
| 14-16 | 6,005   | 0 | 3,689  | 61  | 3,689  | 61  |
| 15-17 | 6,005   | 0 | 3,689  | 61  | 3,689  | 61  |

FIVE-YEAR AVERAGE

|       |       |   |       |    |       |    |
|-------|-------|---|-------|----|-------|----|
| 13-17 | 3,603 | 0 | 2,214 | 61 | 2,214 | 61 |
|-------|-------|---|-------|----|-------|----|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.2 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2002  | 174,144                |                              | 0   |                            | 0   |                          | 0   |
| 2003  | 21,376                 |                              | 0   |                            | 0   |                          | 0   |
| 2004  | 19,271                 |                              | 0   |                            | 0   |                          | 0   |
| 2005  | 39,331                 |                              | 0   | 38,867                     | 99  | 38,867                   | 99  |
| 2006  | 99,825                 |                              | 0   |                            | 0   |                          | 0   |
| 2007  | 77,437                 |                              | 0   | 53,270                     | 69  | 53,270                   | 69  |
| 2008  |                        |                              |     | 4,970                      |     | 4,970                    |     |
| 2009  | 63,324                 |                              | 0   |                            | 0   |                          | 0   |
| 2010  | 19,563                 |                              | 0   |                            | 0   |                          | 0   |
| 2011  | 18,920                 |                              | 0   |                            | 0   |                          | 0   |
| 2012  | 12,017                 |                              | 0   | 4,720                      | 39  | 4,720                    | 39  |
| 2013  | 6,280                  |                              | 0   |                            | 0   |                          | 0   |
| 2014  | 112,901                |                              | 0   |                            | 0   |                          | 0   |
| 2015  | 79,639                 |                              | 0   |                            | 0   |                          | 0   |
| 2016  | 145,060                |                              | 0   | 59,613                     | 41  | 59,613                   | 41  |
| 2017  |                        |                              |     |                            |     |                          |     |
| TOTAL | 889,087                |                              | 0   | 161,441                    | 18  | 161,441                  | 18  |

THREE-YEAR MOVING AVERAGES

|       |         |  |   |        |    |        |    |
|-------|---------|--|---|--------|----|--------|----|
| 02-04 | 71,597  |  | 0 |        | 0  |        | 0  |
| 03-05 | 26,659  |  | 0 | 12,956 | 49 | 12,956 | 49 |
| 04-06 | 52,809  |  | 0 | 12,956 | 25 | 12,956 | 25 |
| 05-07 | 72,198  |  | 0 | 30,713 | 43 | 30,713 | 43 |
| 06-08 | 59,087  |  | 0 | 19,414 | 33 | 19,414 | 33 |
| 07-09 | 46,920  |  | 0 | 19,414 | 41 | 19,414 | 41 |
| 08-10 | 27,629  |  | 0 | 1,657  | 6  | 1,657  | 6  |
| 09-11 | 33,936  |  | 0 |        | 0  |        | 0  |
| 10-12 | 16,833  |  | 0 | 1,573  | 9  | 1,573  | 9  |
| 11-13 | 12,406  |  | 0 | 1,573  | 13 | 1,573  | 13 |
| 12-14 | 43,733  |  | 0 | 1,573  | 4  | 1,573  | 4  |
| 13-15 | 66,273  |  | 0 |        | 0  |        | 0  |
| 14-16 | 112,533 |  | 0 | 19,871 | 18 | 19,871 | 18 |
| 15-17 | 74,900  |  | 0 | 19,871 | 27 | 19,871 | 27 |

FIVE-YEAR AVERAGE

|       |        |  |   |        |    |        |    |
|-------|--------|--|---|--------|----|--------|----|
| 13-17 | 68,776 |  | 0 | 11,923 | 17 | 11,923 | 17 |
|-------|--------|--|---|--------|----|--------|----|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.3 TRANSPORTATION EQUIPMENT - TRAILERS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2002  | 29,749                 |                              | 0   |                            | 0   |                          | 0   |
| 2003  |                        |                              |     |                            |     |                          |     |
| 2004  |                        |                              |     |                            |     |                          |     |
| 2005  |                        |                              |     | 1,440                      |     | 1,440                    |     |
| 2006  | 42,518                 |                              | 0   |                            | 0   |                          | 0   |
| 2007  | 35,194                 |                              | 0   | 10,544                     | 30  | 10,544                   | 30  |
| 2008  |                        |                              |     |                            |     |                          |     |
| 2009  |                        |                              |     |                            |     |                          |     |
| 2010  |                        |                              |     |                            |     |                          |     |
| 2011  | 64,936                 |                              | 0   |                            | 0   |                          | 0   |
| 2012  |                        |                              |     |                            |     |                          |     |
| 2013  | 6,573                  |                              | 0   |                            | 0   |                          | 0   |
| 2014  |                        |                              |     |                            |     |                          |     |
| 2015  |                        |                              |     |                            |     |                          |     |
| 2016  |                        |                              |     |                            |     |                          |     |
| 2017  |                        |                              |     |                            |     |                          |     |
| TOTAL | 178,970                |                              | 0   | 11,984                     | 7   | 11,984                   | 7   |

THREE-YEAR MOVING AVERAGES

|       |        |  |   |       |    |       |    |
|-------|--------|--|---|-------|----|-------|----|
| 02-04 | 9,916  |  | 0 |       | 0  |       | 0  |
| 03-05 |        |  |   | 480   |    | 480   |    |
| 04-06 | 14,173 |  | 0 | 480   | 3  | 480   | 3  |
| 05-07 | 25,904 |  | 0 | 3,995 | 15 | 3,995 | 15 |
| 06-08 | 25,904 |  | 0 | 3,515 | 14 | 3,515 | 14 |
| 07-09 | 11,731 |  | 0 | 3,515 | 30 | 3,515 | 30 |
| 08-10 |        |  |   |       |    |       |    |
| 09-11 | 21,645 |  | 0 |       | 0  |       | 0  |
| 10-12 | 21,645 |  | 0 |       | 0  |       | 0  |
| 11-13 | 23,836 |  | 0 |       | 0  |       | 0  |
| 12-14 | 2,191  |  | 0 |       | 0  |       | 0  |
| 13-15 | 2,191  |  | 0 |       | 0  |       | 0  |
| 14-16 |        |  |   |       |    |       |    |
| 15-17 |        |  |   |       |    |       |    |

FIVE-YEAR AVERAGE

|       |       |  |   |  |   |  |   |
|-------|-------|--|---|--|---|--|---|
| 13-17 | 1,315 |  | 0 |  | 0 |  | 0 |
|-------|-------|--|---|--|---|--|---|

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2002  | 85,732                 |                              | 0   |                            | 0   |                          | 0   |
| 2003  | 35,231                 |                              | 0   |                            | 0   |                          | 0   |
| 2004  |                        |                              |     |                            |     |                          |     |
| 2005  | 113,734                |                              | 0   | 7,198                      | 6   | 7,198                    | 6   |
| 2006  | 95,266                 |                              | 0   |                            | 0   |                          | 0   |
| 2007  | 432,073                |                              | 0   | 30,984                     | 7   | 30,984                   | 7   |
| 2008  |                        |                              |     | 9,941                      |     | 9,941                    |     |
| 2009  | 137,212                |                              | 0   |                            | 0   |                          | 0   |
| 2010  | 20,940                 |                              | 0   |                            | 0   |                          | 0   |
| 2011  |                        |                              |     |                            |     |                          |     |
| 2012  |                        |                              |     | 19,657                     |     | 19,657                   |     |
| 2013  | 10,376                 |                              | 0   |                            | 0   |                          | 0   |
| 2014  | 20,936                 |                              | 0   |                            | 0   |                          | 0   |
| 2015  |                        |                              |     |                            |     |                          |     |
| 2016  |                        |                              |     | 18,505                     |     | 18,505                   |     |
| 2017  |                        |                              |     |                            |     |                          |     |
| TOTAL | 951,501                |                              | 0   | 86,285                     | 9   | 86,285                   | 9   |

THREE-YEAR MOVING AVERAGES

|       |         |   |        |     |        |     |
|-------|---------|---|--------|-----|--------|-----|
| 02-04 | 40,321  | 0 |        | 0   |        | 0   |
| 03-05 | 49,655  | 0 | 2,399  | 5   | 2,399  | 5   |
| 04-06 | 69,667  | 0 | 2,399  | 3   | 2,399  | 3   |
| 05-07 | 213,691 | 0 | 12,727 | 6   | 12,727 | 6   |
| 06-08 | 175,780 | 0 | 13,642 | 8   | 13,642 | 8   |
| 07-09 | 189,762 | 0 | 13,642 | 7   | 13,642 | 7   |
| 08-10 | 52,717  | 0 | 3,314  | 6   | 3,314  | 6   |
| 09-11 | 52,717  | 0 |        | 0   |        | 0   |
| 10-12 | 6,980   | 0 | 6,552  | 94  | 6,552  | 94  |
| 11-13 | 3,459   | 0 | 6,552  | 189 | 6,552  | 189 |
| 12-14 | 10,437  | 0 | 6,552  | 63  | 6,552  | 63  |
| 13-15 | 10,437  | 0 |        | 0   |        | 0   |
| 14-16 | 6,979   | 0 | 6,168  | 88  | 6,168  | 88  |
| 15-17 |         |   | 6,168  |     | 6,168  |     |

FIVE-YEAR AVERAGE

|       |       |   |       |    |       |    |
|-------|-------|---|-------|----|-------|----|
| 13-17 | 6,262 | 0 | 3,701 | 59 | 3,701 | 59 |
|-------|-------|---|-------|----|-------|----|

VECTREN ENERGY DELIVERY OF OHIO  
ACCOUNT 396.0 POWER OPERATED EQUIPMENT

SUMMARY OF BOOK SALVAGE

| YEAR  | REGULAR<br>RETIREMENTS | COST OF<br>REMOVAL<br>AMOUNT | PCT | GROSS<br>SALVAGE<br>AMOUNT | PCT | NET<br>SALVAGE<br>AMOUNT | PCT |
|-------|------------------------|------------------------------|-----|----------------------------|-----|--------------------------|-----|
| 2002  | 87,307                 |                              | 0   |                            | 0   |                          | 0   |
| 2003  |                        |                              |     |                            |     |                          |     |
| 2004  |                        |                              |     |                            |     |                          |     |
| 2005  | 17,186                 |                              | 0   | 2,879                      | 17  | 2,879                    | 17  |
| 2006  |                        |                              |     |                            |     |                          |     |
| 2007  | 27,069                 |                              | 0   | 2,248                      | 8   | 2,248                    | 8   |
| 2008  |                        |                              |     | 4,970                      |     | 4,970                    |     |
| 2009  | 18,689                 |                              | 0   |                            | 0   |                          | 0   |
| 2010  |                        |                              |     |                            |     |                          |     |
| 2011  | 18,596                 |                              | 0   | 25,745                     | 138 | 25,745                   | 138 |
| 2012  |                        |                              |     | 2,892                      |     | 2,892                    |     |
| 2013  | 10,745                 |                              | 0   |                            | 0   |                          | 0   |
| 2014  |                        |                              |     |                            |     |                          |     |
| 2015  | 154,935                |                              | 0   |                            | 0   |                          | 0   |
| 2016  |                        |                              |     |                            |     |                          |     |
| 2017  |                        |                              |     |                            |     |                          |     |
| TOTAL | 334,527                |                              | 0   | 38,735                     | 12  | 38,735                   | 12  |

THREE-YEAR MOVING AVERAGES

|       |        |   |       |     |       |     |
|-------|--------|---|-------|-----|-------|-----|
| 02-04 | 29,102 | 0 |       | 0   |       | 0   |
| 03-05 | 5,729  | 0 | 960   | 17  | 960   | 17  |
| 04-06 | 5,729  | 0 | 960   | 17  | 960   | 17  |
| 05-07 | 14,752 | 0 | 1,709 | 12  | 1,709 | 12  |
| 06-08 | 9,023  | 0 | 2,406 | 27  | 2,406 | 27  |
| 07-09 | 15,253 | 0 | 2,406 | 16  | 2,406 | 16  |
| 08-10 | 6,230  | 0 | 1,657 | 27  | 1,657 | 27  |
| 09-11 | 12,428 | 0 | 8,582 | 69  | 8,582 | 69  |
| 10-12 | 6,199  | 0 | 9,546 | 154 | 9,546 | 154 |
| 11-13 | 9,780  | 0 | 9,546 | 98  | 9,546 | 98  |
| 12-14 | 3,582  | 0 | 964   | 27  | 964   | 27  |
| 13-15 | 55,227 | 0 |       | 0   |       | 0   |
| 14-16 | 51,645 | 0 |       | 0   |       | 0   |
| 15-17 | 51,645 | 0 |       | 0   |       | 0   |

FIVE-YEAR AVERAGE

|       |        |   |  |   |  |   |
|-------|--------|---|--|---|--|---|
| 13-17 | 33,136 | 0 |  | 0 |  | 0 |
|-------|--------|---|--|---|--|---|

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## PART IX. DETAILED DEPRECIATION CALCULATIONS

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.1 LIQUEFIED PETROLEUM GAS EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 30-S1                    |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -5                       |                         |                     |                                   |               |             |                                      |               |
| 2012                                           | 20,572.40               | 30.00               | 3.33                              | 719.31        | 25.17       | 0.1610                               | 3,478         |
|                                                | 20,572.40               |                     |                                   | 719.31        |             |                                      | 3,478         |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.50 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 311.3 LIQUEFIED PETROLEUM GAS EQUIPMENT - SUPPLY LINES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 50-S2 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -5    |                         |                     |                                   |               |             |                                      |               |
| 1960                        | 718,465.23              | 50.00               | 2.00                              | 15,087.77     | 10.12       | 0.7976                               | 601,700       |
| 1966                        | 5,430.61                | 50.00               | 2.00                              | 114.04        | 12.28       | 0.7544                               | 4,302         |
| 1969                        | 25,272.98               | 50.00               | 2.00                              | 530.73        | 13.48       | 0.7304                               | 19,382        |
| 1970                        | 19,473.12               | 50.00               | 2.00                              | 408.94        | 13.91       | 0.7218                               | 14,758        |
| 1974                        | 4,764.65                | 50.00               | 2.00                              | 100.06        | 15.71       | 0.6858                               | 3,431         |
| 1975                        | 56.54                   | 50.00               | 2.00                              | 1.19          | 16.19       | 0.6762                               | 40            |
| 1978                        | 6,181.38                | 50.00               | 2.00                              | 129.81        | 17.72       | 0.6456                               | 4,190         |
| 1980                        | 9,407.01                | 50.00               | 2.00                              | 197.55        | 18.81       | 0.6238                               | 6,161         |
| 1994                        | 2,352.14                | 50.00               | 2.00                              | 49.39         | 28.31       | 0.4338                               | 1,071         |
| 1997                        | 52,199.21               | 50.00               | 2.00                              | 1,096.18      | 30.80       | 0.3840                               | 21,047        |
|                             | 843,602.87              |                     |                                   | 17,715.66     |             |                                      | 676,082       |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.10

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 365.2 RIGHTS OF WAY

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 70-R4 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0     |                         |                     |                                   |               |             |                                      |               |
| 2005                        | 29,611.25               | 70.00               | 1.43                              | 423.44        | 58.03       | 0.1710                               | 5,064         |
| 2007                        | 8,865.57                | 70.00               | 1.43                              | 126.78        | 60.02       | 0.1426                               | 1,264         |
| 2009                        | 6,694.71                | 70.00               | 1.43                              | 95.73         | 62.01       | 0.1141                               | 764           |
| 2013                        | 36,517.79               | 70.00               | 1.43                              | 522.20        | 66.00       | 0.0571                               | 2,087         |
|                             | 81,689.32               |                     |                                   | 1,168.15      |             |                                      | 9,179         |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.43

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 366.2 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 55-S2 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -5    |                         |                     |                                   |               |             |                                      |               |
| 2005                        | 13,007.13               | 55.00               | 1.82                              | 248.57        | 43.08       | 0.2167                               | 2,960         |
| 2007                        | 26,420.36               | 55.00               | 1.82                              | 504.89        | 45.04       | 0.1811                               | 5,024         |
| 2009                        | 6,033.50                | 55.00               | 1.82                              | 115.30        | 47.01       | 0.1453                               | 920           |
| 2014                        | 17,865.40               | 55.00               | 1.82                              | 341.41        | 52.00       | 0.0546                               | 1,023         |
|                             | 63,326.39               |                     |                                   | 1,210.17      |             |                                      | 9,927         |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.91

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 367.0 MAINS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                                           | ORIGINAL<br>COST | AVG.<br>LIFE | --ANNUAL<br>RATE | ACCRUAL--<br>AMOUNT | EXP.      | --ACCRUED<br>FACTOR | DEPREC.--<br>AMOUNT |
|------------------------------------------------|------------------|--------------|------------------|---------------------|-----------|---------------------|---------------------|
| (1)                                            | (2)              | (3)          | (4)              | (5)                 | (6)       | (7)                 | (8)                 |
| SURVIVOR CURVE.. IOWA 70-R4                    |                  |              |                  |                     |           |                     |                     |
| NET SALVAGE PERCENT.. -80                      |                  |              |                  |                     |           |                     |                     |
| 2005                                           | 439,342.10       | 70.00        | 1.43             | 11,308.67           | 58.03     | 0.1710              | 135,229             |
| 2006                                           | 27,652.31        | 70.00        | 1.43             | 711.77              | 59.03     | 0.1567              | 7,800               |
| 2007                                           | 16,259,142.73    | 70.00        | 1.43             | 418,510.33          | 60.02     | 0.1426              | 4,172,519           |
| 2008                                           | 204,807.54       | 70.00        | 1.43             | 5,271.75            | 61.02     | 0.1283              | 47,295              |
| 2009                                           | 1,773,109.86     | 70.00        | 1.43             | 45,639.85           | 62.01     | 0.1141              | 364,289             |
| 2010                                           | 2,710,467.38     | 70.00        | 1.43             | 69,767.43           | 63.01     | 0.0999              | 487,201             |
| 2011                                           | 3,060,794.70     | 70.00        | 1.43             | 78,784.86           | 64.01     | 0.0856              | 471,442             |
| 2012                                           | 5,546,575.30     | 70.00        | 1.43             | 142,768.85          | 65.01     | 0.0713              | 711,748             |
| 2013                                           | 734,631.23       | 70.00        | 1.43             | 18,909.41           | 66.00     | 0.0571              | 75,558              |
| 2014                                           | 12,763,245.72    | 70.00        | 1.43             | 328,525.94          | 67.00     | 0.0429              | 984,659             |
| 2015                                           | 12,729,461.30    | 70.00        | 1.43             | 327,656.33          | 68.00     | 0.0286              | 654,625             |
| 2016                                           | 11,889,633.12    | 70.00        | 1.43             | 306,039.16          | 69.00     | 0.0143              | 305,825             |
| 2017                                           | 138,301.63       | 70.00        | 1.43             | 3,559.88            | 69.75     | 0.0036              | 889                 |
| 68,277,164.92                                  |                  |              |                  | 1,757,454.23        | 8,419,079 |                     |                     |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.57 |                  |              |                  |                     |           |                     |                     |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 369.0 MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                                           | ORIGINAL COST | AVG. LIFE | --ANNUAL RATE | ACCRUAL--AMOUNT | EXP.      | --ACCRUED FACTOR | DEPREC.--AMOUNT |
|------------------------------------------------|---------------|-----------|---------------|-----------------|-----------|------------------|-----------------|
| (1)                                            | (2)           | (3)       | (4)           | (5)             | (6)       | (7)              | (8)             |
| SURVIVOR CURVE.. IOWA 60-R2.5                  |               |           |               |                 |           |                  |                 |
| NET SALVAGE PERCENT.. -20                      |               |           |               |                 |           |                  |                 |
| 2005                                           | 307,560.38    | 60.00     | 1.67          | 6,163.51        | 48.90     | 0.1850           | 68,278          |
| 2006                                           | 10,391.05     | 60.00     | 1.67          | 208.24          | 49.80     | 0.1700           | 2,120           |
| 2007                                           | 380,761.46    | 60.00     | 1.67          | 7,630.46        | 50.71     | 0.1548           | 70,744          |
| 2009                                           | 819,599.29    | 60.00     | 1.67          | 16,424.77       | 52.54     | 0.1243           | 122,281         |
| 2010                                           | 1,194,347.36  | 60.00     | 1.67          | 23,934.72       | 53.46     | 0.1090           | 156,221         |
| 2011                                           | 1,058.97      | 60.00     | 1.67          | 21.22           | 54.38     | 0.0937           | 119             |
| 2012                                           | 3,193,662.99  | 60.00     | 1.67          | 64,001.01       | 55.31     | 0.0782           | 299,578         |
| 2013                                           | 2,935,043.42  | 60.00     | 1.67          | 58,818.27       | 56.24     | 0.0627           | 220,727         |
| 2014                                           | 1,065,651.28  | 60.00     | 1.67          | 21,355.65       | 57.18     | 0.0470           | 60,103          |
| 2015                                           | 1,436,934.26  | 60.00     | 1.67          | 28,796.16       | 58.11     | 0.0315           | 54,316          |
| 2016                                           | 2,404,548.32  | 60.00     | 1.67          | 48,187.15       | 59.06     | 0.0157           | 45,215          |
| 2017                                           | 242,544.68    | 60.00     | 1.67          | 4,860.60        | 59.76     | 0.0040           | 1,164           |
| 13,992,103.46                                  |               |           |               | 280,401.76      | 1,100,866 |                  |                 |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.00 |               |           |               |                 |           |                  |                 |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 371.0 OTHER EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 30-S2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0       |                         |                     |                                   |               |             |                                      |               |
| 2005                          | 17,382.16               | 30.00               | 3.33                              | 578.83        | 18.28       | 0.3907                               | 6,791         |
| 2006                          | 1,244.52                | 30.00               | 3.33                              | 41.44         | 19.20       | 0.3600                               | 448           |
|                               | 18,626.68               |                     |                                   | 620.27        |             |                                      | 7,239         |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.33

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 374.2 LAND RIGHTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 70-R4 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0     |                         |                     |                                   |               |             |                                      |               |
| 1905                        | 1,664.01                | 70.00               |                                   |               |             | 1.0000                               | 1,664         |
| 1906                        | 737.84                  | 70.00               |                                   |               |             | 1.0000                               | 738           |
| 1913                        | 11,878.14               | 70.00               | 1.43                              | 169.86        | 0.58        | 0.9917                               | 11,780        |
| 1914                        | 695.18                  | 70.00               | 1.43                              | 9.94          | 0.80        | 0.9886                               | 687           |
| 1917                        | 394.95                  | 70.00               | 1.43                              | 5.65          | 1.40        | 0.9800                               | 387           |
| 1922                        | 3,609.13                | 70.00               | 1.43                              | 51.61         | 2.52        | 0.9640                               | 3,479         |
| 1925                        | 6,627.87                | 70.00               | 1.43                              | 94.78         | 3.26        | 0.9534                               | 6,319         |
| 1926                        | 9,294.39                | 70.00               | 1.43                              | 132.91        | 3.52        | 0.9497                               | 8,827         |
| 1927                        | 1,716.45                | 70.00               | 1.43                              | 24.55         | 3.77        | 0.9461                               | 1,624         |
| 1930                        | 465.73                  | 70.00               | 1.43                              | 6.66          | 4.55        | 0.9350                               | 435           |
| 1931                        | 212.70                  | 70.00               | 1.43                              | 3.04          | 4.82        | 0.9311                               | 198           |
| 1935                        | 1,369.88                | 70.00               | 1.43                              | 19.59         | 5.93        | 0.9153                               | 1,254         |
| 1936                        | 150.34                  | 70.00               | 1.43                              | 2.15          | 6.22        | 0.9111                               | 137           |
| 1937                        | 76.50                   | 70.00               | 1.43                              | 1.09          | 6.52        | 0.9069                               | 69            |
| 1938                        | 415.68                  | 70.00               | 1.43                              | 5.94          | 6.83        | 0.9024                               | 375           |
| 1941                        | 220.19                  | 70.00               | 1.43                              | 3.15          | 7.82        | 0.8883                               | 196           |
| 1942                        | 56.08                   | 70.00               | 1.43                              | 0.80          | 8.18        | 0.8831                               | 50            |
| 1946                        | 6,168.93                | 70.00               | 1.43                              | 88.22         | 9.79        | 0.8601                               | 5,306         |
| 1947                        | 4,817.48                | 70.00               | 1.43                              | 68.89         | 10.24       | 0.8537                               | 4,113         |
| 1948                        | 2,795.49                | 70.00               | 1.43                              | 39.98         | 10.72       | 0.8469                               | 2,367         |
| 1949                        | 2,467.23                | 70.00               | 1.43                              | 35.28         | 11.22       | 0.8397                               | 2,072         |
| 1950                        | 64,458.76               | 70.00               | 1.43                              | 921.76        | 11.75       | 0.8321                               | 53,639        |
| 1951                        | 22,256.68               | 70.00               | 1.43                              | 318.27        | 12.29       | 0.8244                               | 18,349        |
| 1952                        | 8,020.98                | 70.00               | 1.43                              | 114.70        | 12.86       | 0.8163                               | 6,547         |
| 1953                        | 18,192.58               | 70.00               | 1.43                              | 260.15        | 13.45       | 0.8079                               | 14,697        |
| 1954                        | 14,169.85               | 70.00               | 1.43                              | 202.63        | 14.06       | 0.7991                               | 11,324        |
| 1955                        | 14,417.20               | 70.00               | 1.43                              | 206.17        | 14.70       | 0.7900                               | 11,390        |
| 1956                        | 27,556.68               | 70.00               | 1.43                              | 394.06        | 15.34       | 0.7809                               | 21,518        |
| 1957                        | 25,548.83               | 70.00               | 1.43                              | 365.35        | 16.00       | 0.7714                               | 19,709        |
| 1958                        | 40,049.89               | 70.00               | 1.43                              | 572.71        | 16.67       | 0.7619                               | 30,512        |
| 1959                        | 25,417.52               | 70.00               | 1.43                              | 363.47        | 17.35       | 0.7521                               | 19,118        |
| 1960                        | 61,740.33               | 70.00               | 1.43                              | 882.89        | 18.04       | 0.7423                               | 45,829        |
| 1961                        | 43,786.37               | 70.00               | 1.43                              | 626.15        | 18.74       | 0.7323                               | 32,064        |
| 1962                        | 47,669.02               | 70.00               | 1.43                              | 681.67        | 19.46       | 0.7220                               | 34,417        |
| 1963                        | 81,471.64               | 70.00               | 1.43                              | 1,165.04      | 20.18       | 0.7117                               | 57,984        |
| 1964                        | 47,753.72               | 70.00               | 1.43                              | 682.88        | 20.91       | 0.7013                               | 33,489        |
| 1965                        | 46,688.54               | 70.00               | 1.43                              | 667.65        | 21.65       | 0.6907                               | 32,248        |
| 1966                        | 70,682.05               | 70.00               | 1.43                              | 1,010.75      | 22.40       | 0.6800                               | 48,064        |
| 1967                        | 33,588.74               | 70.00               | 1.43                              | 480.32        | 23.17       | 0.6690                               | 22,471        |
| 1968                        | 112,868.17              | 70.00               | 1.43                              | 1,614.01      | 23.94       | 0.6580                               | 74,267        |
| 1969                        | 72,156.08               | 70.00               | 1.43                              | 1,031.83      | 24.73       | 0.6467                               | 46,664        |
| 1970                        | 132,604.15              | 70.00               | 1.43                              | 1,896.24      | 25.52       | 0.6354                               | 84,261        |
| 1971                        | 101,809.64              | 70.00               | 1.43                              | 1,455.88      | 26.33       | 0.6239                               | 63,515        |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 374.2 LAND RIGHTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 70-R4 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0     |                         |                     |                                   |               |             |                                      |               |
| 1972                        | 81,077.86               | 70.00               | 1.43                              | 1,159.41      | 27.15       | 0.6121                               | 49,631        |
| 1973                        | 28,190.52               | 70.00               | 1.43                              | 403.12        | 27.97       | 0.6004                               | 16,926        |
| 1974                        | 11,183.71               | 70.00               | 1.43                              | 159.93        | 28.81       | 0.5884                               | 6,581         |
| 1975                        | 16,379.54               | 70.00               | 1.43                              | 234.23        | 29.66       | 0.5763                               | 9,439         |
| 1976                        | 11,906.05               | 70.00               | 1.43                              | 170.26        | 30.52       | 0.5640                               | 6,715         |
| 1977                        | 4,920.12                | 70.00               | 1.43                              | 70.36         | 31.38       | 0.5517                               | 2,714         |
| 1978                        | 11,607.11               | 70.00               | 1.43                              | 165.98        | 32.26       | 0.5391                               | 6,258         |
| 1979                        | 23,281.39               | 70.00               | 1.43                              | 332.92        | 33.14       | 0.5266                               | 12,259        |
| 1980                        | 73,968.22               | 70.00               | 1.43                              | 1,057.75      | 34.03       | 0.5139                               | 38,009        |
| 1981                        | 36,403.25               | 70.00               | 1.43                              | 520.57        | 34.93       | 0.5010                               | 18,238        |
| 1982                        | 79,253.25               | 70.00               | 1.43                              | 1,133.32      | 35.84       | 0.4880                               | 38,676        |
| 1983                        | 131,475.92              | 70.00               | 1.43                              | 1,880.11      | 36.76       | 0.4749                               | 62,433        |
| 1984                        | 94,640.90               | 70.00               | 1.43                              | 1,353.36      | 37.68       | 0.4617                               | 43,697        |
| 1985                        | 139,145.32              | 70.00               | 1.43                              | 1,989.78      | 38.61       | 0.4484                               | 62,397        |
| 1986                        | 76,114.91               | 70.00               | 1.43                              | 1,088.44      | 39.54       | 0.4351                               | 33,121        |
| 1987                        | 86,345.77               | 70.00               | 1.43                              | 1,234.74      | 40.48       | 0.4217                               | 36,413        |
| 1988                        | 78,307.54               | 70.00               | 1.43                              | 1,119.80      | 41.43       | 0.4081                               | 31,960        |
| 1989                        | 122,154.70              | 70.00               | 1.43                              | 1,746.81      | 42.38       | 0.3946                               | 48,199        |
| 1990                        | 107,952.81              | 70.00               | 1.43                              | 1,543.73      | 43.33       | 0.3810                               | 41,130        |
| 1991                        | 169,289.99              | 70.00               | 1.43                              | 2,420.85      | 44.29       | 0.3673                               | 62,179        |
| 1992                        | 130,492.74              | 70.00               | 1.43                              | 1,866.05      | 45.26       | 0.3534                               | 46,120        |
| 1993                        | 171,361.89              | 70.00               | 1.43                              | 2,450.48      | 46.23       | 0.3396                               | 58,189        |
| 1994                        | 84,077.19               | 70.00               | 1.43                              | 1,202.30      | 47.20       | 0.3257                               | 27,385        |
| 1995                        | 215,205.17              | 70.00               | 1.43                              | 3,077.43      | 48.17       | 0.3119                               | 67,114        |
| 1996                        | 175,352.94              | 70.00               | 1.43                              | 2,507.55      | 49.15       | 0.2979                               | 52,231        |
| 1997                        | 151,761.59              | 70.00               | 1.43                              | 2,170.19      | 50.13       | 0.2839                               | 43,079        |
| 1998                        | 123,963.21              | 70.00               | 1.43                              | 1,772.67      | 51.11       | 0.2699                               | 33,453        |
| 1999                        | 202,175.83              | 70.00               | 1.43                              | 2,891.11      | 52.09       | 0.2559                               | 51,729        |
| 2000                        | 86,004.68               | 70.00               | 1.43                              | 1,229.87      | 53.08       | 0.2417                               | 20,788        |
| 2004                        | 9,650.60                | 70.00               | 1.43                              | 138.00        | 57.04       | 0.1851                               | 1,787         |
| 2005                        | 47,910.30               | 70.00               | 1.43                              | 685.12        | 58.03       | 0.1710                               | 8,193         |
| 2006                        | 7,316.67                | 70.00               | 1.43                              | 104.63        | 59.03       | 0.1567                               | 1,147         |
| 2007                        | 230.56                  | 70.00               | 1.43                              | 3.30          | 60.02       | 0.1426                               | 33            |
| 2008                        | 5,663.72                | 70.00               | 1.43                              | 80.99         | 61.02       | 0.1283                               | 727           |
| 2009                        | 179,657.59              | 70.00               | 1.43                              | 2,569.10      | 62.01       | 0.1141                               | 20,506        |
| 2013                        | 15,508.70               | 70.00               | 1.43                              | 221.77        | 66.00       | 0.0571                               | 886           |
| 2014                        | 146,505.56              | 70.00               | 1.43                              | 2,095.03      | 67.00       | 0.0429                               | 6,279         |
| 2015                        | 16,202.05               | 70.00               | 1.43                              | 231.69        | 68.00       | 0.0286                               | 463           |
| 2017                        | 21,624.27               | 70.00               | 1.43                              | 309.23        | 69.75       | 0.0036                               | 77            |
| 4,343,005.75                |                         |                     |                                   | 62,070.65     | 1,901,314   |                                      |               |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.43

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 374.4 LAND RIGHTS - 25 YEAR AMORTIZATION

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. 25-SQUARE                     |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0                        |                         |                     |                                   |               |             |                                      |               |
| 2008                                           | 34,370.25               | 25.00               | 4.00                              | 1,374.81      | 16.00       | 0.3600                               | 12,373        |
|                                                | 34,370.25               |                     |                                   | 1,374.81      |             |                                      | 12,373        |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 4.00 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 374.5 LAND RIGHTS - 20 YEAR AMORTIZATION

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. 20-SQUARE                     |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0                        |                         |                     |                                   |               |             |                                      |               |
| 2017                                           | 79,362.48               | 20.00               | 5.00                              | 3,968.12      | 19.75       | 0.0125                               | 992           |
|                                                | 79,362.48               |                     |                                   | 3,968.12      |             |                                      | 992           |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 5.00 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 375.0 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                        | ORIGINAL<br>COST | AVG.<br>LIFE | --ANNUAL ACCRUAL--<br>RATE | AMOUNT | EXP.  | --ACCRUED DEPREC.--<br>FACTOR | AMOUNT |
|-----------------------------|------------------|--------------|----------------------------|--------|-------|-------------------------------|--------|
| (1)                         | (2)              | (3)          | (4)                        | (5)    | (6)   | (7)                           | (8)    |
| SURVIVOR CURVE.. IOWA 55-S2 |                  |              |                            |        |       |                               |        |
| NET SALVAGE PERCENT.. -5    |                  |              |                            |        |       |                               |        |
| 1905                        | 596.88           | 55.00        |                            |        |       | 1.0000                        | 627    |
| 1913                        | 239.16           | 55.00        | 1.82                       | 4.57   | 1.09  | 0.9802                        | 246    |
| 1914                        | 546.68           | 55.00        | 1.82                       | 10.45  | 1.27  | 0.9769                        | 561    |
| 1918                        | 2,463.76         | 55.00        | 1.82                       | 47.08  | 2.04  | 0.9629                        | 2,491  |
| 1920                        | 1,674.96         | 55.00        | 1.82                       | 32.01  | 2.42  | 0.9560                        | 1,681  |
| 1925                        | 7,160.97         | 55.00        | 1.82                       | 136.85 | 3.44  | 0.9375                        | 7,049  |
| 1927                        | 1,217.30         | 55.00        | 1.82                       | 23.26  | 3.87  | 0.9296                        | 1,188  |
| 1928                        | 547.43           | 55.00        | 1.82                       | 10.46  | 4.09  | 0.9256                        | 532    |
| 1929                        | 1,680.05         | 55.00        | 1.82                       | 32.11  | 4.31  | 0.9216                        | 1,626  |
| 1931                        | 1,055.02         | 55.00        | 1.82                       | 20.16  | 4.75  | 0.9136                        | 1,012  |
| 1934                        | 138.94           | 55.00        | 1.82                       | 2.66   | 5.45  | 0.9009                        | 131    |
| 1938                        | 120.00           | 55.00        | 1.82                       | 2.29   | 6.42  | 0.8833                        | 111    |
| 1939                        | 144.31           | 55.00        | 1.82                       | 2.76   | 6.67  | 0.8787                        | 133    |
| 1941                        | 1,335.21         | 55.00        | 1.82                       | 25.52  | 7.19  | 0.8693                        | 1,219  |
| 1942                        | 804.23           | 55.00        | 1.82                       | 15.37  | 7.45  | 0.8646                        | 730    |
| 1943                        | 1,020.44         | 55.00        | 1.82                       | 19.50  | 7.72  | 0.8596                        | 921    |
| 1948                        | 1,725.94         | 55.00        | 1.82                       | 32.98  | 9.14  | 0.8338                        | 1,511  |
| 1949                        | 4,488.92         | 55.00        | 1.82                       | 85.78  | 9.44  | 0.8284                        | 3,904  |
| 1950                        | 16,177.00        | 55.00        | 1.82                       | 309.14 | 9.75  | 0.8227                        | 13,975 |
| 1951                        | 12,558.84        | 55.00        | 1.82                       | 240.00 | 10.06 | 0.8171                        | 10,775 |
| 1952                        | 20,212.52        | 55.00        | 1.82                       | 386.26 | 10.38 | 0.8113                        | 17,218 |
| 1953                        | 21,789.17        | 55.00        | 1.82                       | 416.39 | 10.70 | 0.8055                        | 18,428 |
| 1954                        | 7,949.24         | 55.00        | 1.82                       | 151.91 | 11.03 | 0.7995                        | 6,673  |
| 1955                        | 10,031.13        | 55.00        | 1.82                       | 191.69 | 11.37 | 0.7933                        | 8,355  |
| 1956                        | 6,546.32         | 55.00        | 1.82                       | 125.10 | 11.71 | 0.7871                        | 5,410  |
| 1957                        | 12,755.46        | 55.00        | 1.82                       | 243.76 | 12.06 | 0.7807                        | 10,456 |
| 1958                        | 19,491.74        | 55.00        | 1.82                       | 372.49 | 12.42 | 0.7742                        | 15,845 |
| 1959                        | 7,775.52         | 55.00        | 1.82                       | 148.59 | 12.79 | 0.7675                        | 6,266  |
| 1960                        | 18,275.06        | 55.00        | 1.82                       | 349.24 | 13.16 | 0.7607                        | 14,598 |
| 1961                        | 4,444.82         | 55.00        | 1.82                       | 84.94  | 13.55 | 0.7536                        | 3,517  |
| 1962                        | 11,738.73        | 55.00        | 1.82                       | 224.33 | 13.94 | 0.7466                        | 9,202  |
| 1963                        | 12,478.19        | 55.00        | 1.82                       | 238.46 | 14.34 | 0.7393                        | 9,686  |
| 1964                        | 6,224.64         | 55.00        | 1.82                       | 118.95 | 14.75 | 0.7318                        | 4,783  |
| 1965                        | 9,747.50         | 55.00        | 1.82                       | 186.27 | 15.17 | 0.7242                        | 7,412  |
| 1966                        | 7,943.29         | 55.00        | 1.82                       | 151.80 | 15.60 | 0.7164                        | 5,975  |
| 1967                        | 1,311.38         | 55.00        | 1.82                       | 25.06  | 16.04 | 0.7084                        | 975    |
| 1968                        | 15,453.61        | 55.00        | 1.82                       | 295.32 | 16.49 | 0.7002                        | 11,361 |
| 1969                        | 9,387.52         | 55.00        | 1.82                       | 179.40 | 16.95 | 0.6918                        | 6,819  |
| 1970                        | 20,570.46        | 55.00        | 1.82                       | 393.10 | 17.42 | 0.6833                        | 14,758 |
| 1971                        | 21,157.79        | 55.00        | 1.82                       | 404.33 | 17.91 | 0.6744                        | 14,981 |
| 1972                        | 902.78           | 55.00        | 1.82                       | 17.25  | 18.41 | 0.6653                        | 631    |
| 1977                        | 8,449.02         | 55.00        | 1.82                       | 161.46 | 21.08 | 0.6167                        | 5,471  |
| 1978                        | 870.36           | 55.00        | 1.82                       | 16.63  | 21.66 | 0.6062                        | 554    |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 375.0 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 55-S2 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -5    |                         |                     |                                   |               |             |                                      |               |
| 1979                        | 506.86                  | 55.00               | 1.82                              | 9.69          | 22.25       | 0.5955                               | 317           |
| 1980                        | 16,171.80               | 55.00               | 1.82                              | 309.04        | 22.86       | 0.5844                               | 9,923         |
| 1981                        | 5,581.76                | 55.00               | 1.82                              | 106.67        | 23.48       | 0.5731                               | 3,359         |
| 1982                        | 11,711.71               | 55.00               | 1.82                              | 223.81        | 24.12       | 0.5615                               | 6,904         |
| 1983                        | 2,934.05                | 55.00               | 1.82                              | 56.07         | 24.77       | 0.5496                               | 1,693         |
| 1984                        | 13,522.74               | 55.00               | 1.82                              | 258.42        | 25.44       | 0.5375                               | 7,631         |
| 1986                        | 2,113.79                | 55.00               | 1.82                              | 40.39         | 26.82       | 0.5124                               | 1,137         |
| 1990                        | 22,876.98               | 55.00               | 1.82                              | 437.18        | 29.79       | 0.4584                               | 11,010        |
| 1991                        | 211,300.28              | 55.00               | 1.82                              | 4,037.95      | 30.58       | 0.4440                               | 98,508        |
| 1992                        | 88,615.72               | 55.00               | 1.82                              | 1,693.45      | 31.38       | 0.4295                               | 39,959        |
| 1993                        | 8,130.60                | 55.00               | 1.82                              | 155.38        | 32.20       | 0.4146                               | 3,539         |
| 1994                        | 31,932.88               | 55.00               | 1.82                              | 610.24        | 33.03       | 0.3995                               | 13,393        |
| 1997                        | 4,479.82                | 55.00               | 1.82                              | 85.61         | 35.62       | 0.3524                               | 1,657         |
| 1998                        | 16,071.86               | 55.00               | 1.82                              | 307.13        | 36.51       | 0.3362                               | 5,673         |
| 1999                        | 18,519.42               | 55.00               | 1.82                              | 353.91        | 37.42       | 0.3196                               | 6,216         |
| 2000                        | 10,081.22               | 55.00               | 1.82                              | 192.65        | 38.33       | 0.3031                               | 3,208         |
| 2001                        | 7,750.97                | 55.00               | 1.82                              | 148.12        | 39.26       | 0.2862                               | 2,329         |
| 2006                        | 95,840.59               | 55.00               | 1.82                              | 1,831.51      | 44.06       | 0.1989                               | 20,017        |
| 2014                        | 15,908.20               | 55.00               | 1.82                              | 304.01        | 52.00       | 0.0546                               | 911           |
|                             | 895,253.54              |                     |                                   | 17,096.91     |             |                                      | 487,181       |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.91

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 376.0 MAINS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 70-R4 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -80   |                         |                     |                                   |               |             |                                      |               |
| 1925                        | 567,906.26              | 70.00               | 1.43                              | 14,617.91     | 3.26        | 0.9534                               | 974,626       |
| 1926                        | 5,381.91                | 70.00               | 1.43                              | 138.53        | 3.52        | 0.9497                               | 9,200         |
| 1927                        | 402.41                  | 70.00               | 1.43                              | 10.36         | 3.77        | 0.9461                               | 685           |
| 1928                        | 487,541.32              | 70.00               | 1.43                              | 12,549.31     | 4.03        | 0.9424                               | 827,052       |
| 1929                        | 58,053.27               | 70.00               | 1.43                              | 1,494.29      | 4.29        | 0.9387                               | 98,091        |
| 1930                        | 34,945.64               | 70.00               | 1.43                              | 899.50        | 4.55        | 0.9350                               | 58,814        |
| 1931                        | 56,444.48               | 70.00               | 1.43                              | 1,452.88      | 4.82        | 0.9311                               | 94,604        |
| 1932                        | 44,220.61               | 70.00               | 1.43                              | 1,138.24      | 5.09        | 0.9273                               | 73,810        |
| 1933                        | 7,210.40                | 70.00               | 1.43                              | 185.60        | 5.37        | 0.9233                               | 11,983        |
| 1934                        | 30,188.03               | 70.00               | 1.43                              | 777.04        | 5.65        | 0.9193                               | 49,953        |
| 1935                        | 33,051.78               | 70.00               | 1.43                              | 850.75        | 5.93        | 0.9153                               | 54,454        |
| 1936                        | 30,014.01               | 70.00               | 1.43                              | 772.56        | 6.22        | 0.9111                               | 49,225        |
| 1937                        | 33,999.60               | 70.00               | 1.43                              | 875.15        | 6.52        | 0.9069                               | 55,499        |
| 1938                        | 57,653.48               | 70.00               | 1.43                              | 1,484.00      | 6.83        | 0.9024                               | 93,651        |
| 1939                        | 54,895.34               | 70.00               | 1.43                              | 1,413.01      | 7.15        | 0.8979                               | 88,719        |
| 1940                        | 118,892.44              | 70.00               | 1.43                              | 3,060.29      | 7.48        | 0.8931                               | 191,138       |
| 1941                        | 157,205.82              | 70.00               | 1.43                              | 4,046.48      | 7.82        | 0.8883                               | 251,360       |
| 1942                        | 105,671.33              | 70.00               | 1.43                              | 2,719.98      | 8.18        | 0.8831                               | 167,981       |
| 1943                        | 45,600.10               | 70.00               | 1.43                              | 1,173.75      | 8.55        | 0.8779                               | 72,055        |
| 1944                        | 57,485.14               | 70.00               | 1.43                              | 1,479.67      | 8.95        | 0.8721                               | 90,243        |
| 1945                        | 196,521.02              | 70.00               | 1.43                              | 5,058.45      | 9.36        | 0.8663                               | 306,440       |
| 1946                        | 241,609.30              | 70.00               | 1.43                              | 6,219.02      | 9.79        | 0.8601                               | 374,072       |
| 1947                        | 371,794.98              | 70.00               | 1.43                              | 9,570.00      | 10.24       | 0.8537                               | 571,329       |
| 1948                        | 344,530.58              | 70.00               | 1.43                              | 8,868.22      | 10.72       | 0.8469                               | 525,185       |
| 1949                        | 272,970.54              | 70.00               | 1.43                              | 7,026.26      | 11.22       | 0.8397                               | 412,589       |
| 1950                        | 1,501,809.95            | 70.00               | 1.43                              | 38,656.59     | 11.75       | 0.8321                               | 2,249,489     |
| 1951                        | 2,201,431.38            | 70.00               | 1.43                              | 56,664.84     | 12.29       | 0.8244                               | 3,266,867     |
| 1952                        | 2,080,445.19            | 70.00               | 1.43                              | 53,550.66     | 12.86       | 0.8163                               | 3,056,844     |
| 1953                        | 1,123,178.33            | 70.00               | 1.43                              | 28,910.61     | 13.45       | 0.8079                               | 1,633,268     |
| 1954                        | 2,630,747.13            | 70.00               | 1.43                              | 67,715.43     | 14.06       | 0.7991                               | 3,784,203     |
| 1955                        | 2,037,189.77            | 70.00               | 1.43                              | 52,437.26     | 14.70       | 0.7900                               | 2,896,884     |
| 1956                        | 3,114,435.92            | 70.00               | 1.43                              | 80,165.58     | 15.34       | 0.7809                               | 4,377,489     |
| 1957                        | 3,284,368.85            | 70.00               | 1.43                              | 84,539.65     | 16.00       | 0.7714                               | 4,560,589     |
| 1958                        | 2,003,496.61            | 70.00               | 1.43                              | 51,570.00     | 16.67       | 0.7619                               | 2,747,491     |
| 1959                        | 2,697,970.10            | 70.00               | 1.43                              | 69,445.75     | 17.35       | 0.7521                               | 3,652,652     |
| 1960                        | 3,557,925.10            | 70.00               | 1.43                              | 91,580.99     | 18.04       | 0.7423                               | 4,753,822     |
| 1961                        | 2,474,101.44            | 70.00               | 1.43                              | 63,683.37     | 18.74       | 0.7323                               | 3,261,168     |
| 1962                        | 3,448,094.16            | 70.00               | 1.43                              | 88,753.94     | 19.46       | 0.7220                               | 4,481,143     |
| 1963                        | 2,795,386.57            | 70.00               | 1.43                              | 71,953.25     | 20.18       | 0.7117                               | 3,581,108     |
| 1964                        | 3,385,056.79            | 70.00               | 1.43                              | 87,131.36     | 20.91       | 0.7013                               | 4,273,032     |
| 1965                        | 2,957,366.27            | 70.00               | 1.43                              | 76,122.61     | 21.65       | 0.6907                               | 3,676,828     |
| 1966                        | 2,763,089.65            | 70.00               | 1.43                              | 71,121.93     | 22.40       | 0.6800                               | 3,382,022     |
| 1967                        | 3,130,311.86            | 70.00               | 1.43                              | 80,574.23     | 23.17       | 0.6690                               | 3,769,522     |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 376.0 MAINS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL RATE<br>(4) | ACCRUAL--<br>AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED FACTOR<br>(7) | DEPREC.--<br>AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|----------------------|----------------------------|-------------|-------------------------|----------------------------|
| SURVIVOR CURVE.. IOWA 70-R4 |                         |                     |                      |                            |             |                         |                            |
| NET SALVAGE PERCENT.. -80   |                         |                     |                      |                            |             |                         |                            |
| 1968                        | 3,760,186.84            | 70.00               | 1.43                 | 96,787.21                  | 23.94       | 0.6580                  | 4,453,565                  |
| 1969                        | 2,399,088.99            | 70.00               | 1.43                 | 61,752.55                  | 24.73       | 0.6467                  | 2,792,727                  |
| 1970                        | 4,138,816.38            | 70.00               | 1.43                 | 106,533.13                 | 25.52       | 0.6354                  | 4,733,871                  |
| 1971                        | 1,963,725.67            | 70.00               | 1.43                 | 50,546.30                  | 26.33       | 0.6239                  | 2,205,162                  |
| 1972                        | 3,156,041.02            | 70.00               | 1.43                 | 81,236.50                  | 27.15       | 0.6121                  | 3,477,490                  |
| 1973                        | 1,058,913.08            | 70.00               | 1.43                 | 27,256.42                  | 27.97       | 0.6004                  | 1,144,446                  |
| 1974                        | 851,526.22              | 70.00               | 1.43                 | 21,918.28                  | 28.81       | 0.5884                  | 901,914                    |
| 1975                        | 720,883.47              | 70.00               | 1.43                 | 18,555.54                  | 29.66       | 0.5763                  | 747,788                    |
| 1976                        | 1,181,048.74            | 70.00               | 1.43                 | 30,400.19                  | 30.52       | 0.5640                  | 1,199,001                  |
| 1977                        | 480,079.80              | 70.00               | 1.43                 | 12,357.25                  | 31.38       | 0.5517                  | 476,757                    |
| 1978                        | 854,932.80              | 70.00               | 1.43                 | 22,005.97                  | 32.26       | 0.5391                  | 829,671                    |
| 1979                        | 1,365,889.48            | 70.00               | 1.43                 | 35,158.00                  | 33.14       | 0.5266                  | 1,294,626                  |
| 1980                        | 4,231,387.83            | 70.00               | 1.43                 | 108,915.92                 | 34.03       | 0.5139                  | 3,913,814                  |
| 1981                        | 2,471,377.70            | 70.00               | 1.43                 | 63,613.26                  | 34.93       | 0.5010                  | 2,228,688                  |
| 1982                        | 3,271,025.26            | 70.00               | 1.43                 | 84,196.19                  | 35.84       | 0.4880                  | 2,873,269                  |
| 1983                        | 4,126,408.22            | 70.00               | 1.43                 | 106,213.75                 | 36.76       | 0.4749                  | 3,527,039                  |
| 1984                        | 4,031,502.34            | 70.00               | 1.43                 | 103,770.87                 | 37.68       | 0.4617                  | 3,350,493                  |
| 1985                        | 3,381,866.09            | 70.00               | 1.43                 | 87,049.23                  | 38.61       | 0.4484                  | 2,729,754                  |
| 1986                        | 3,446,919.21            | 70.00               | 1.43                 | 88,723.70                  | 39.54       | 0.4351                  | 2,699,806                  |
| 1987                        | 4,012,552.99            | 70.00               | 1.43                 | 103,283.11                 | 40.48       | 0.4217                  | 3,045,841                  |
| 1988                        | 7,350,828.49            | 70.00               | 1.43                 | 189,210.33                 | 41.43       | 0.4081                  | 5,400,301                  |
| 1989                        | 6,378,311.73            | 70.00               | 1.43                 | 164,177.74                 | 42.38       | 0.3946                  | 4,530,043                  |
| 1990                        | 3,656,810.05            | 70.00               | 1.43                 | 94,126.29                  | 43.33       | 0.3810                  | 2,507,840                  |
| 1991                        | 5,334,242.82            | 70.00               | 1.43                 | 137,303.41                 | 44.29       | 0.3673                  | 3,526,585                  |
| 1992                        | 5,241,332.37            | 70.00               | 1.43                 | 134,911.90                 | 45.26       | 0.3534                  | 3,334,399                  |
| 1993                        | 5,926,427.09            | 70.00               | 1.43                 | 152,546.23                 | 46.23       | 0.3396                  | 3,622,386                  |
| 1994                        | 4,583,578.07            | 70.00               | 1.43                 | 117,981.30                 | 47.20       | 0.3257                  | 2,687,251                  |
| 1995                        | 5,183,842.17            | 70.00               | 1.43                 | 133,432.10                 | 48.17       | 0.3119                  | 2,909,939                  |
| 1996                        | 4,915,431.30            | 70.00               | 1.43                 | 126,523.20                 | 49.15       | 0.2979                  | 2,635,399                  |
| 1997                        | 6,020,727.46            | 70.00               | 1.43                 | 154,973.52                 | 50.13       | 0.2839                  | 3,076,279                  |
| 1998                        | 3,310,127.11            | 70.00               | 1.43                 | 85,202.67                  | 51.11       | 0.2699                  | 1,607,888                  |
| 1999                        | 5,693,026.61            | 70.00               | 1.43                 | 146,538.50                 | 52.09       | 0.2559                  | 2,621,912                  |
| 2000                        | 4,383,243.06            | 70.00               | 1.43                 | 112,824.68                 | 53.08       | 0.2417                  | 1,907,053                  |
| 2001                        | 592,822.85              | 70.00               | 1.43                 | 15,259.26                  | 54.07       | 0.2276                  | 242,836                    |
| 2002                        | 8,162,804.78            | 70.00               | 1.43                 | 210,110.60                 | 55.06       | 0.2134                  | 3,135,937                  |
| 2003                        | 8,106,621.80            | 70.00               | 1.43                 | 208,664.45                 | 56.05       | 0.1993                  | 2,908,024                  |
| 2004                        | 5,664,848.73            | 70.00               | 1.43                 | 145,813.21                 | 57.04       | 0.1851                  | 1,887,822                  |
| 2005                        | 5,793,845.17            | 70.00               | 1.43                 | 149,133.57                 | 58.03       | 0.1710                  | 1,783,346                  |
| 2006                        | 5,611,186.50            | 70.00               | 1.43                 | 144,431.94                 | 59.03       | 0.1567                  | 1,582,792                  |
| 2007                        | 6,060,590.23            | 70.00               | 1.43                 | 155,999.59                 | 60.02       | 0.1426                  | 1,555,305                  |
| 2008                        | 5,456,503.10            | 70.00               | 1.43                 | 140,450.39                 | 61.02       | 0.1283                  | 1,260,027                  |
| 2009                        | 6,397,079.13            | 70.00               | 1.43                 | 164,660.82                 | 62.01       | 0.1141                  | 1,314,293                  |
| 2010                        | 6,861,180.36            | 70.00               | 1.43                 | 176,606.78                 | 63.01       | 0.0999                  | 1,233,283                  |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 376.0 MAINS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                                           | ORIGINAL<br>COST | AVG.<br>LIFE | --ANNUAL<br>RATE | ACCRUAL--<br>AMOUNT | EXP.  | --ACCRUED<br>FACTOR | DEPREC.--<br>AMOUNT |
|------------------------------------------------|------------------|--------------|------------------|---------------------|-------|---------------------|---------------------|
| (1)                                            | (2)              | (3)          | (4)              | (5)                 | (6)   | (7)                 | (8)                 |
| SURVIVOR CURVE.. IOWA 70-R4                    |                  |              |                  |                     |       |                     |                     |
| NET SALVAGE PERCENT.. -80                      |                  |              |                  |                     |       |                     |                     |
| 2011                                           | 3,987,357.09     | 70.00        | 1.43             | 102,634.57          | 64.01 | 0.0856              | 614,157             |
| 2012                                           | 6,746,489.15     | 70.00        | 1.43             | 173,654.63          | 65.01 | 0.0713              | 865,723             |
| 2013                                           | 7,388,365.10     | 70.00        | 1.43             | 190,176.52          | 66.00 | 0.0571              | 759,908             |
| 2014                                           | 8,786,793.55     | 70.00        | 1.43             | 226,172.07          | 67.00 | 0.0429              | 677,884             |
| 2015                                           | 11,015,052.72    | 70.00        | 1.43             | 283,527.46          | 68.00 | 0.0286              | 566,460             |
| 2016                                           | 21,799,539.35    | 70.00        | 1.43             | 561,120.14          | 69.00 | 0.0143              | 560,728             |
| 2017                                           | 6,086,714.85     | 70.00        | 1.43             | 156,672.04          | 69.75 | 0.0036              | 39,113              |
| 294,000,489.78                                 |                  |              |                  | 7,567,572.58        |       | 178,887,814         |                     |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.57 |                  |              |                  |                     |       |                     |                     |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 376.1 MAINS - BARE STEEL/CAST IRON REPLACEMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 70-R4                    |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -80                      |                         |                     |                                   |               |             |                                      |               |
| 2009                                           | 7,477,709.29            | 70.00               | 1.43                              | 192,476.24    | 62.01       | 0.1141                               | 1,536,310     |
| 2010                                           | 3,557,639.25            | 70.00               | 1.43                              | 91,573.63     | 63.01       | 0.0999                               | 639,479       |
| 2011                                           | 7,721,213.03            | 70.00               | 1.43                              | 198,744.02    | 64.01       | 0.0856                               | 1,189,268     |
| 2012                                           | 9,711,561.74            | 70.00               | 1.43                              | 249,975.60    | 65.01       | 0.0713                               | 1,246,207     |
| 2013                                           | 11,885,437.36           | 70.00               | 1.43                              | 305,931.16    | 66.00       | 0.0571                               | 1,222,441     |
| 2014                                           | 10,450,764.58           | 70.00               | 1.43                              | 269,002.68    | 67.00       | 0.0429                               | 806,256       |
| 2015                                           | 19,990,212.18           | 70.00               | 1.43                              | 514,548.06    | 68.00       | 0.0286                               | 1,028,017     |
| 2016                                           | 17,229,600.79           | 70.00               | 1.43                              | 443,489.92    | 69.00       | 0.0143                               | 443,180       |
| 2017                                           | 5,557,305.26            | 70.00               | 1.43                              | 143,045.04    | 69.75       | 0.0036                               | 35,711        |
|                                                | 93,581,443.48           |                     |                                   | 2,408,786.35  |             |                                      | 8,146,869     |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.57 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 378.0 MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                          | ORIGINAL<br>COST | AVG.<br>LIFE | --ANNUAL ACCRUAL--<br>RATE | AMOUNT   | EXP.  | --ACCRUED DEPREC.--<br>FACTOR | AMOUNT  |
|-------------------------------|------------------|--------------|----------------------------|----------|-------|-------------------------------|---------|
| (1)                           | (2)              | (3)          | (4)                        | (5)      | (6)   | (7)                           | (8)     |
| SURVIVOR CURVE.. IOWA 60-R2.5 |                  |              |                            |          |       |                               |         |
| NET SALVAGE PERCENT.. -20     |                  |              |                            |          |       |                               |         |
| 1927                          | 162.07           | 60.00        | 1.67                       | 3.25     | 5.38  | 0.9103                        | 177     |
| 1930                          | 187.94           | 60.00        | 1.67                       | 3.77     | 6.04  | 0.8993                        | 203     |
| 1931                          | 201.17           | 60.00        | 1.67                       | 4.03     | 6.26  | 0.8957                        | 216     |
| 1932                          | 472.22           | 60.00        | 1.67                       | 9.46     | 6.49  | 0.8918                        | 505     |
| 1933                          | 225.05           | 60.00        | 1.67                       | 4.51     | 6.72  | 0.8880                        | 240     |
| 1934                          | 51.66            | 60.00        | 1.67                       | 1.04     | 6.95  | 0.8842                        | 55      |
| 1935                          | 186.06           | 60.00        | 1.67                       | 3.73     | 7.19  | 0.8802                        | 197     |
| 1939                          | 239.56           | 60.00        | 1.67                       | 4.80     | 8.18  | 0.8637                        | 248     |
| 1940                          | 719.01           | 60.00        | 1.67                       | 14.41    | 8.43  | 0.8595                        | 742     |
| 1946                          | 256.76           | 60.00        | 1.67                       | 5.15     | 10.14 | 0.8310                        | 256     |
| 1948                          | 33.29            | 60.00        | 1.67                       | 0.67     | 10.78 | 0.8203                        | 33      |
| 1949                          | 691.71           | 60.00        | 1.67                       | 13.86    | 11.12 | 0.8147                        | 676     |
| 1950                          | 2,896.37         | 60.00        | 1.67                       | 58.04    | 11.48 | 0.8087                        | 2,811   |
| 1951                          | 3,745.82         | 60.00        | 1.67                       | 75.07    | 11.84 | 0.8027                        | 3,608   |
| 1952                          | 32,502.77        | 60.00        | 1.67                       | 651.36   | 12.22 | 0.7963                        | 31,060  |
| 1953                          | 39,699.32        | 60.00        | 1.67                       | 795.57   | 12.62 | 0.7897                        | 37,619  |
| 1954                          | 27,744.08        | 60.00        | 1.67                       | 555.99   | 13.03 | 0.7828                        | 26,063  |
| 1955                          | 59,377.81        | 60.00        | 1.67                       | 1,189.93 | 13.45 | 0.7758                        | 55,281  |
| 1956                          | 66,091.09        | 60.00        | 1.67                       | 1,324.47 | 13.89 | 0.7685                        | 60,949  |
| 1957                          | 107,887.83       | 60.00        | 1.67                       | 2,162.07 | 14.34 | 0.7610                        | 98,523  |
| 1958                          | 53,681.26        | 60.00        | 1.67                       | 1,075.77 | 14.80 | 0.7533                        | 48,528  |
| 1959                          | 48,849.92        | 60.00        | 1.67                       | 978.95   | 15.28 | 0.7453                        | 43,691  |
| 1960                          | 75,613.80        | 60.00        | 1.67                       | 1,515.30 | 15.78 | 0.7370                        | 66,873  |
| 1961                          | 24,200.59        | 60.00        | 1.67                       | 484.98   | 16.29 | 0.7285                        | 21,156  |
| 1962                          | 102,315.12       | 60.00        | 1.67                       | 2,050.40 | 16.81 | 0.7198                        | 88,379  |
| 1963                          | 71,213.44        | 60.00        | 1.67                       | 1,427.12 | 17.35 | 0.7108                        | 60,745  |
| 1964                          | 58,370.74        | 60.00        | 1.67                       | 1,169.75 | 17.90 | 0.7017                        | 49,148  |
| 1965                          | 73,512.61        | 60.00        | 1.67                       | 1,473.19 | 18.47 | 0.6922                        | 61,060  |
| 1966                          | 102,237.14       | 60.00        | 1.67                       | 2,048.83 | 19.04 | 0.6827                        | 83,753  |
| 1967                          | 71,811.16        | 60.00        | 1.67                       | 1,439.10 | 19.63 | 0.6728                        | 57,980  |
| 1968                          | 182,550.18       | 60.00        | 1.67                       | 3,658.31 | 20.24 | 0.6627                        | 145,165 |
| 1969                          | 76,602.34        | 60.00        | 1.67                       | 1,535.11 | 20.85 | 0.6525                        | 59,980  |
| 1970                          | 123,109.49       | 60.00        | 1.67                       | 2,467.11 | 21.48 | 0.6420                        | 94,844  |
| 1971                          | 230,680.50       | 60.00        | 1.67                       | 4,622.84 | 22.11 | 0.6315                        | 174,810 |
| 1972                          | 115,593.35       | 60.00        | 1.67                       | 2,316.49 | 22.76 | 0.6207                        | 86,094  |
| 1973                          | 40,132.72        | 60.00        | 1.67                       | 804.26   | 23.42 | 0.6097                        | 29,361  |
| 1974                          | 51,450.11        | 60.00        | 1.67                       | 1,031.06 | 24.09 | 0.5985                        | 36,951  |
| 1975                          | 81,983.22        | 60.00        | 1.67                       | 1,642.94 | 24.77 | 0.5872                        | 57,766  |
| 1976                          | 55,755.63        | 60.00        | 1.67                       | 1,117.34 | 25.46 | 0.5757                        | 38,516  |
| 1977                          | 39,360.61        | 60.00        | 1.67                       | 788.79   | 26.16 | 0.5640                        | 26,639  |
| 1978                          | 54,784.02        | 60.00        | 1.67                       | 1,097.87 | 26.87 | 0.5522                        | 36,300  |
| 1979                          | 79,452.05        | 60.00        | 1.67                       | 1,592.22 | 27.59 | 0.5402                        | 51,501  |
| 1980                          | 89,684.31        | 60.00        | 1.67                       | 1,797.27 | 28.31 | 0.5282                        | 56,842  |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 378.0 MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL RATE<br>(4) | ACCRUAL--<br>AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|----------------------|----------------------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 60-R2.5 |                         |                     |                      |                            |             |                                      |               |
| NET SALVAGE PERCENT.. -20     |                         |                     |                      |                            |             |                                      |               |
| 1981                          | 211,451.38              | 60.00               | 1.67                 | 4,237.49                   | 29.05       | 0.5158                               | 130,888       |
| 1982                          | 123,284.86              | 60.00               | 1.67                 | 2,470.63                   | 29.79       | 0.5035                               | 74,489        |
| 1983                          | 83,445.61               | 60.00               | 1.67                 | 1,672.25                   | 30.54       | 0.4910                               | 49,166        |
| 1984                          | 412,408.56              | 60.00               | 1.67                 | 8,264.67                   | 31.30       | 0.4783                               | 236,721       |
| 1985                          | 144,973.29              | 60.00               | 1.67                 | 2,905.26                   | 32.07       | 0.4655                               | 80,982        |
| 1986                          | 120,133.75              | 60.00               | 1.67                 | 2,407.48                   | 32.85       | 0.4525                               | 65,233        |
| 1987                          | 199,310.99              | 60.00               | 1.67                 | 3,994.19                   | 33.63       | 0.4395                               | 105,117       |
| 1988                          | 383,197.09              | 60.00               | 1.67                 | 7,679.27                   | 34.42       | 0.4263                               | 196,042       |
| 1989                          | 443,686.91              | 60.00               | 1.67                 | 8,891.49                   | 35.22       | 0.4130                               | 219,891       |
| 1990                          | 709,105.27              | 60.00               | 1.67                 | 14,210.47                  | 36.03       | 0.3995                               | 339,945       |
| 1991                          | 1,491,080.65            | 60.00               | 1.67                 | 29,881.26                  | 36.84       | 0.3860                               | 690,669       |
| 1992                          | 568,793.39              | 60.00               | 1.67                 | 11,398.62                  | 37.66       | 0.3723                               | 254,135       |
| 1993                          | 447,886.40              | 60.00               | 1.67                 | 8,975.64                   | 38.49       | 0.3585                               | 192,681       |
| 1994                          | 508,815.23              | 60.00               | 1.67                 | 10,196.66                  | 39.33       | 0.3445                               | 210,344       |
| 1995                          | 284,637.08              | 60.00               | 1.67                 | 5,704.13                   | 40.17       | 0.3305                               | 112,887       |
| 1996                          | 551,336.37              | 60.00               | 1.67                 | 11,048.78                  | 41.01       | 0.3165                               | 209,398       |
| 1997                          | 189,985.62              | 60.00               | 1.67                 | 3,807.31                   | 41.87       | 0.3022                               | 68,890        |
| 1998                          | 160,285.22              | 60.00               | 1.67                 | 3,212.12                   | 42.73       | 0.2878                               | 55,362        |
| 1999                          | 138,954.25              | 60.00               | 1.67                 | 2,784.64                   | 43.59       | 0.2735                               | 45,605        |
| 2000                          | 28,052.45               | 60.00               | 1.67                 | 562.17                     | 44.46       | 0.2590                               | 8,719         |
| 2001                          | 40,211.41               | 60.00               | 1.67                 | 805.84                     | 45.34       | 0.2443                               | 11,790        |
| 2002                          | 167,891.03              | 60.00               | 1.67                 | 3,364.54                   | 46.22       | 0.2297                               | 46,271        |
| 2003                          | 212,202.78              | 60.00               | 1.67                 | 4,252.54                   | 47.11       | 0.2148                               | 54,705        |
| 2004                          | 179,789.03              | 60.00               | 1.67                 | 3,602.97                   | 48.00       | 0.2000                               | 43,149        |
| 2005                          | 34,615.97               | 60.00               | 1.67                 | 693.70                     | 48.90       | 0.1850                               | 7,685         |
| 2006                          | 81,434.68               | 60.00               | 1.67                 | 1,631.95                   | 49.80       | 0.1700                               | 16,613        |
| 2007                          | 76,791.64               | 60.00               | 1.67                 | 1,538.90                   | 50.71       | 0.1548                               | 14,268        |
| 2008                          | 32,215.00               | 60.00               | 1.67                 | 645.59                     | 51.62       | 0.1397                               | 5,399         |
| 2009                          | 71,290.00               | 60.00               | 1.67                 | 1,428.65                   | 52.54       | 0.1243                               | 10,636        |
| 2010                          | 872.01                  | 60.00               | 1.67                 | 17.48                      | 53.46       | 0.1090                               | 114           |
| 2011                          | 120,795.96              | 60.00               | 1.67                 | 2,420.75                   | 54.38       | 0.0937                               | 13,578        |
| 2013                          | 7,623.09                | 60.00               | 1.67                 | 152.77                     | 56.24       | 0.0627                               | 573           |
| 2014                          | 145,360.49              | 60.00               | 1.67                 | 2,913.02                   | 57.18       | 0.0470                               | 8,198         |
| 2015                          | 212,439.25              | 60.00               | 1.67                 | 4,257.28                   | 58.11       | 0.0315                               | 8,030         |
| 2016                          | 483,529.70              | 60.00               | 1.67                 | 9,689.94                   | 59.06       | 0.0157                               | 9,092         |
| 2017                          | 205,327.67              | 60.00               | 1.67                 | 4,114.77                   | 59.76       | 0.0040                               | 986           |
| 11,519,529.98                 |                         |                     |                      | 230,851.40                 | 5,393,795   |                                      |               |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.00

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 379.0 MEASURING AND REGULATING STATION EQUIPMENT - CITY GATE

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 60-R2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -20     |                         |                     |                                   |               |             |                                      |               |
| 1960                          | 55.31                   | 60.00               | 1.67                              | 1.11          | 15.78       | 0.7370                               | 49            |
| 1969                          | 12,752.75               | 60.00               | 1.67                              | 255.57        | 20.85       | 0.6525                               | 9,985         |
| 1974                          | 848.94                  | 60.00               | 1.67                              | 17.01         | 24.09       | 0.5985                               | 610           |
| 1985                          | 32,540.46               | 60.00               | 1.67                              | 652.11        | 32.07       | 0.4655                               | 18,177        |
| 1987                          | 693.80                  | 60.00               | 1.67                              | 13.90         | 33.63       | 0.4395                               | 366           |
| 1990                          | 84,267.65               | 60.00               | 1.67                              | 1,688.72      | 36.03       | 0.3995                               | 40,398        |
| 1991                          | 33,157.14               | 60.00               | 1.67                              | 664.47        | 36.84       | 0.3860                               | 15,358        |
| 1993                          | 52,564.17               | 60.00               | 1.67                              | 1,053.39      | 38.49       | 0.3585                               | 22,613        |
| 1994                          | 415,869.32              | 60.00               | 1.67                              | 8,334.02      | 39.33       | 0.3445                               | 171,920       |
| 1995                          | 4,456.29                | 60.00               | 1.67                              | 89.30         | 40.17       | 0.3305                               | 1,767         |
| 1996                          | 453,460.10              | 60.00               | 1.67                              | 9,087.34      | 41.01       | 0.3165                               | 172,224       |
| 1997                          | 123,980.97              | 60.00               | 1.67                              | 2,484.58      | 41.87       | 0.3022                               | 44,956        |
| 1998                          | 17,030.96               | 60.00               | 1.67                              | 341.30        | 42.73       | 0.2878                               | 5,882         |
| 1999                          | 30,843.53               | 60.00               | 1.67                              | 618.10        | 43.59       | 0.2735                               | 10,123        |
| 2000                          | 24,566.91               | 60.00               | 1.67                              | 492.32        | 44.46       | 0.2590                               | 7,635         |
| 2003                          | 142,570.64              | 60.00               | 1.67                              | 2,857.12      | 47.11       | 0.2148                               | 36,754        |
| 2005                          | 25,339.60               | 60.00               | 1.67                              | 507.81        | 48.90       | 0.1850                               | 5,625         |
| 2006                          | 1,362.74                | 60.00               | 1.67                              | 27.31         | 49.80       | 0.1700                               | 278           |
| 2007                          | 2,780.95                | 60.00               | 1.67                              | 55.73         | 50.71       | 0.1548                               | 517           |
| 1,459,142.23                  |                         |                     |                                   | 29,241.21     | 565,237     |                                      |               |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.00

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 380.0 SERVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 65-R4 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -150  |                         |                     |                                   |               |             |                                      |               |
| 1943                        | 24,797.92               | 65.00               | 1.54                              | 954.72        | 6.14        | 0.9055                               | 56,139        |
| 1944                        | 21,840.88               | 65.00               | 1.54                              | 840.87        | 6.45        | 0.9008                               | 49,184        |
| 1945                        | 17,281.83               | 65.00               | 1.54                              | 665.35        | 6.78        | 0.8957                               | 38,698        |
| 1946                        | 32,913.65               | 65.00               | 1.54                              | 1,267.18      | 7.11        | 0.8906                               | 73,284        |
| 1947                        | 64,687.11               | 65.00               | 1.54                              | 2,490.45      | 7.46        | 0.8852                               | 143,157       |
| 1948                        | 84,373.33               | 65.00               | 1.54                              | 3,248.37      | 7.83        | 0.8795                               | 185,524       |
| 1949                        | 87,409.66               | 65.00               | 1.54                              | 3,365.27      | 8.22        | 0.8735                               | 190,890       |
| 1950                        | 151,999.00              | 65.00               | 1.54                              | 5,851.96      | 8.63        | 0.8672                               | 329,545       |
| 1951                        | 192,641.52              | 65.00               | 1.54                              | 7,416.70      | 9.06        | 0.8606                               | 414,478       |
| 1952                        | 153,691.58              | 65.00               | 1.54                              | 5,917.13      | 9.51        | 0.8537                               | 328,012       |
| 1953                        | 200,875.73              | 65.00               | 1.54                              | 7,733.72      | 9.99        | 0.8463                               | 425,008       |
| 1954                        | 266,373.72              | 65.00               | 1.54                              | 10,255.39     | 10.49       | 0.8386                               | 558,466       |
| 1955                        | 374,064.31              | 65.00               | 1.54                              | 14,401.48     | 11.02       | 0.8305                               | 776,614       |
| 1956                        | 359,025.58              | 65.00               | 1.54                              | 13,822.48     | 11.57       | 0.8220                               | 737,798       |
| 1957                        | 451,062.37              | 65.00               | 1.54                              | 17,365.90     | 12.15       | 0.8131                               | 916,874       |
| 1958                        | 371,981.02              | 65.00               | 1.54                              | 14,321.27     | 12.75       | 0.8039                               | 747,542       |
| 1959                        | 506,353.42              | 65.00               | 1.54                              | 19,494.61     | 13.37       | 0.7943                               | 1,005,504     |
| 1960                        | 590,743.41              | 65.00               | 1.54                              | 22,743.62     | 14.01       | 0.7845                               | 1,158,536     |
| 1961                        | 644,756.83              | 65.00               | 1.54                              | 24,823.14     | 14.67       | 0.7743                               | 1,248,104     |
| 1962                        | 702,842.13              | 65.00               | 1.54                              | 27,059.42     | 15.34       | 0.7640                               | 1,342,428     |
| 1963                        | 769,738.48              | 65.00               | 1.54                              | 29,634.93     | 16.02       | 0.7535                               | 1,450,072     |
| 1964                        | 796,604.66              | 65.00               | 1.54                              | 30,669.28     | 16.71       | 0.7429                               | 1,479,534     |
| 1965                        | 792,748.10              | 65.00               | 1.54                              | 30,520.80     | 17.41       | 0.7322                               | 1,451,026     |
| 1966                        | 712,835.70              | 65.00               | 1.54                              | 27,444.17     | 18.12       | 0.7212                               | 1,285,296     |
| 1967                        | 716,692.89              | 65.00               | 1.54                              | 27,592.68     | 18.84       | 0.7102                               | 1,272,399     |
| 1968                        | 753,447.21              | 65.00               | 1.54                              | 29,007.72     | 19.57       | 0.6989                               | 1,316,498     |
| 1969                        | 719,963.74              | 65.00               | 1.54                              | 27,718.60     | 20.32       | 0.6874                               | 1,237,222     |
| 1970                        | 643,562.28              | 65.00               | 1.54                              | 24,777.15     | 21.07       | 0.6759                               | 1,087,379     |
| 1971                        | 581,482.34              | 65.00               | 1.54                              | 22,387.07     | 21.84       | 0.6640                               | 965,261       |
| 1972                        | 786,825.50              | 65.00               | 1.54                              | 30,292.78     | 22.62       | 0.6520                               | 1,282,526     |
| 1973                        | 311,760.14              | 65.00               | 1.54                              | 12,002.77     | 23.41       | 0.6399                               | 498,699       |
| 1974                        | 286,039.10              | 65.00               | 1.54                              | 11,012.51     | 24.22       | 0.6274                               | 448,638       |
| 1975                        | 464,236.49              | 65.00               | 1.54                              | 17,873.10     | 25.03       | 0.6149                               | 713,671       |
| 1976                        | 467,847.69              | 65.00               | 1.54                              | 18,012.14     | 25.86       | 0.6022                               | 704,286       |
| 1977                        | 529,500.53              | 65.00               | 1.54                              | 20,385.77     | 26.69       | 0.5894                               | 780,193       |
| 1978                        | 990,572.63              | 65.00               | 1.54                              | 38,137.05     | 27.54       | 0.5763                               | 1,427,192     |
| 1979                        | 858,705.21              | 65.00               | 1.54                              | 33,060.15     | 28.40       | 0.5631                               | 1,208,799     |
| 1980                        | 2,098,054.42            | 65.00               | 1.54                              | 80,775.10     | 29.26       | 0.5499                               | 2,884,038     |
| 1981                        | 2,076,991.10            | 65.00               | 1.54                              | 79,964.16     | 30.14       | 0.5363                               | 2,784,778     |
| 1982                        | 2,632,444.48            | 65.00               | 1.54                              | 101,349.11    | 31.03       | 0.5226                               | 3,439,420     |
| 1983                        | 2,076,522.98            | 65.00               | 1.54                              | 79,946.13     | 31.92       | 0.5089                               | 2,641,960     |
| 1984                        | 2,303,861.86            | 65.00               | 1.54                              | 88,698.68     | 32.83       | 0.4949                               | 2,850,568     |
| 1985                        | 2,771,456.57            | 65.00               | 1.54                              | 106,701.08    | 33.74       | 0.4809                               | 3,332,122     |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 380.0 SERVICES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL RATE<br>(4) | ACCRUAL--<br>AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED FACTOR<br>(7) | DEPREC.--<br>AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|----------------------|----------------------------|-------------|-------------------------|----------------------------|
| SURVIVOR CURVE.. IOWA 65-R4 |                         |                     |                      |                            |             |                         |                            |
| NET SALVAGE PERCENT.. -150  |                         |                     |                      |                            |             |                         |                            |
| 1986                        | 2,589,356.62            | 65.00               | 1.54                 | 99,690.23                  | 34.66       | 0.4668                  | 3,021,585                  |
| 1987                        | 2,323,767.39            | 65.00               | 1.54                 | 89,465.04                  | 35.58       | 0.4526                  | 2,629,459                  |
| 1988                        | 2,316,668.44            | 65.00               | 1.54                 | 89,191.73                  | 36.52       | 0.4382                  | 2,537,621                  |
| 1989                        | 3,071,971.72            | 65.00               | 1.54                 | 118,270.91                 | 37.46       | 0.4237                  | 3,253,909                  |
| 1990                        | 4,338,969.03            | 65.00               | 1.54                 | 167,050.31                 | 38.40       | 0.4092                  | 4,439,091                  |
| 1991                        | 2,282,050.56            | 65.00               | 1.54                 | 87,858.95                  | 39.35       | 0.3946                  | 2,251,357                  |
| 1992                        | 4,598,545.56            | 65.00               | 1.54                 | 177,044.00                 | 40.31       | 0.3799                  | 4,366,894                  |
| 1993                        | 3,228,584.73            | 65.00               | 1.54                 | 124,300.51                 | 41.27       | 0.3651                  | 2,946,729                  |
| 1994                        | 4,206,445.32            | 65.00               | 1.54                 | 161,948.14                 | 42.23       | 0.3503                  | 3,683,900                  |
| 1995                        | 3,514,285.30            | 65.00               | 1.54                 | 135,299.98                 | 43.20       | 0.3354                  | 2,946,553                  |
| 1996                        | 4,180,315.59            | 65.00               | 1.54                 | 160,942.15                 | 44.17       | 0.3205                  | 3,349,060                  |
| 1997                        | 5,998,560.63            | 65.00               | 1.54                 | 230,944.58                 | 45.15       | 0.3054                  | 4,579,601                  |
| 1998                        | 3,953,085.27            | 65.00               | 1.54                 | 152,193.78                 | 46.13       | 0.2903                  | 2,869,050                  |
| 1999                        | 5,350,142.35            | 65.00               | 1.54                 | 205,980.48                 | 47.11       | 0.2752                  | 3,681,299                  |
| 2000                        | 5,162,202.62            | 65.00               | 1.54                 | 198,744.80                 | 48.09       | 0.2602                  | 3,357,368                  |
| 2001                        | 35,434.49               | 65.00               | 1.54                 | 1,364.23                   | 49.08       | 0.2449                  | 21,697                     |
| 2002                        | 9,090,755.76            | 65.00               | 1.54                 | 349,994.10                 | 50.06       | 0.2299                  | 5,223,776                  |
| 2003                        | 6,724,786.28            | 65.00               | 1.54                 | 258,904.27                 | 51.05       | 0.2146                  | 3,608,184                  |
| 2004                        | 6,951,932.05            | 65.00               | 1.54                 | 267,649.38                 | 52.04       | 0.1994                  | 3,465,191                  |
| 2005                        | 6,315,762.62            | 65.00               | 1.54                 | 243,156.86                 | 53.04       | 0.1840                  | 2,905,251                  |
| 2006                        | 6,200,545.36            | 65.00               | 1.54                 | 238,721.00                 | 54.03       | 0.1688                  | 2,616,165                  |
| 2007                        | 5,788,659.53            | 65.00               | 1.54                 | 222,863.39                 | 55.02       | 0.1535                  | 2,221,977                  |
| 2008                        | 4,557,553.58            | 65.00               | 1.54                 | 175,465.81                 | 56.02       | 0.1382                  | 1,574,065                  |
| 2009                        | 26,066,467.03           | 65.00               | 1.54                 | 1,003,558.98               | 57.02       | 0.1228                  | 8,000,450                  |
| 2010                        | 8,938,740.44            | 65.00               | 1.54                 | 344,141.51                 | 58.01       | 0.1075                  | 2,403,180                  |
| 2011                        | 9,212,483.55            | 65.00               | 1.54                 | 354,680.62                 | 59.01       | 0.0922                  | 2,122,326                  |
| 2012                        | 10,044,228.05           | 65.00               | 1.54                 | 386,702.78                 | 60.01       | 0.0768                  | 1,927,738                  |
| 2013                        | 12,477,103.91           | 65.00               | 1.54                 | 480,368.50                 | 61.00       | 0.0615                  | 1,919,602                  |
| 2014                        | 14,326,699.04           | 65.00               | 1.54                 | 551,577.91                 | 62.00       | 0.0462                  | 1,652,943                  |
| 2015                        | 22,460,694.21           | 65.00               | 1.54                 | 864,736.73                 | 63.00       | 0.0308                  | 1,727,789                  |
| 2016                        | 23,489,096.15           | 65.00               | 1.54                 | 904,330.20                 | 64.00       | 0.0154                  | 903,156                    |
| 2017                        | 12,385,416.97           | 65.00               | 1.54                 | 476,838.55                 | 64.75       | 0.0039                  | 119,210                    |
| 272,622,919.25              |                         |                     | 10,495,982.37        |                            |             | 139,593,538             |                            |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.85

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 380.1 SERVICES - BARE STEEL/CAST IRON REPLACEMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                                           | ORIGINAL COST | AVG. LIFE | --ANNUAL RATE | ACCRUAL--AMOUNT | EXP.       | --ACCRUED FACTOR | DEPREC.--AMOUNT |
|------------------------------------------------|---------------|-----------|---------------|-----------------|------------|------------------|-----------------|
| (1)                                            | (2)           | (3)       | (4)           | (5)             | (6)        | (7)              | (8)             |
| SURVIVOR CURVE.. IOWA 65-R4                    |               |           |               |                 |            |                  |                 |
| NET SALVAGE PERCENT.. -150                     |               |           |               |                 |            |                  |                 |
| 2009                                           | 3,485,407.85  | 65.00     | 1.54          | 134,188.20      | 57.02      | 0.1228           | 1,069,759       |
| 2010                                           | 5,117,961.52  | 65.00     | 1.54          | 197,041.52      | 58.01      | 0.1075           | 1,375,964       |
| 2011                                           | 8,697,852.34  | 65.00     | 1.54          | 334,867.32      | 59.01      | 0.0922           | 2,003,768       |
| 2012                                           | 10,181,676.96 | 65.00     | 1.54          | 391,994.56      | 60.01      | 0.0768           | 1,954,118       |
| 2013                                           | 11,090,441.72 | 65.00     | 1.54          | 426,982.01      | 61.00      | 0.0615           | 1,706,264       |
| 2014                                           | 20,710,149.81 | 65.00     | 1.54          | 797,340.77      | 62.00      | 0.0462           | 2,389,434       |
| 2015                                           | 21,390,586.12 | 65.00     | 1.54          | 823,537.57      | 63.00      | 0.0308           | 1,645,471       |
| 2016                                           | 18,390,792.39 | 65.00     | 1.54          | 708,045.51      | 64.00      | 0.0154           | 707,126         |
| 2017                                           | 11,697,224.02 | 65.00     | 1.54          | 450,343.12      | 64.75      | 0.0039           | 112,586         |
| 110,762,092.73                                 |               |           |               | 4,264,340.58    | 12,964,490 |                  |                 |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.85 |               |           |               |                 |            |                  |                 |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 381.0 METERS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 40-R3 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -30   |                         |                     |                                   |               |             |                                      |               |
| 1957                        | 437.34                  | 40.00               | 2.50                              | 14.21         | 1.84        | 0.9540                               | 542           |
| 1959                        | 170.08                  | 40.00               | 2.50                              | 5.53          | 2.35        | 0.9413                               | 208           |
| 1961                        | 1,039.83                | 40.00               | 2.50                              | 33.79         | 2.86        | 0.9285                               | 1,255         |
| 1962                        | 341.38                  | 40.00               | 2.50                              | 11.09         | 3.12        | 0.9220                               | 409           |
| 1963                        | 1,029.90                | 40.00               | 2.50                              | 33.47         | 3.38        | 0.9155                               | 1,226         |
| 1964                        | 1,487.93                | 40.00               | 2.50                              | 48.36         | 3.63        | 0.9093                               | 1,759         |
| 1965                        | 2,542.81                | 40.00               | 2.50                              | 82.64         | 3.90        | 0.9025                               | 2,983         |
| 1966                        | 122,813.62              | 40.00               | 2.50                              | 3,991.44      | 4.16        | 0.8960                               | 143,053       |
| 1967                        | 307,146.81              | 40.00               | 2.50                              | 9,982.27      | 4.44        | 0.8890                               | 354,970       |
| 1968                        | 257,439.37              | 40.00               | 2.50                              | 8,366.78      | 4.72        | 0.8820                               | 295,180       |
| 1969                        | 259,468.32              | 40.00               | 2.50                              | 8,432.72      | 5.02        | 0.8745                               | 294,977       |
| 1970                        | 219,721.81              | 40.00               | 2.50                              | 7,140.96      | 5.33        | 0.8668                               | 247,577       |
| 1971                        | 189,180.85              | 40.00               | 2.50                              | 6,148.38      | 5.66        | 0.8585                               | 211,135       |
| 1972                        | 186,099.49              | 40.00               | 2.50                              | 6,048.23      | 6.01        | 0.8498                               | 205,579       |
| 1973                        | 68,096.58               | 40.00               | 2.50                              | 2,213.14      | 6.38        | 0.8405                               | 74,406        |
| 1974                        | 57,868.09               | 40.00               | 2.50                              | 1,880.71      | 6.77        | 0.8308                               | 62,496        |
| 1975                        | 42,669.45               | 40.00               | 2.50                              | 1,386.76      | 7.18        | 0.8205                               | 45,513        |
| 1976                        | 1,667.16                | 40.00               | 2.50                              | 54.18         | 7.61        | 0.8098                               | 1,755         |
| 1977                        | 110,015.61              | 40.00               | 2.50                              | 3,575.51      | 8.07        | 0.7983                               | 114,166       |
| 1978                        | 171,175.40              | 40.00               | 2.50                              | 5,563.20      | 8.55        | 0.7863                               | 174,963       |
| 1979                        | 152,818.72              | 40.00               | 2.50                              | 4,966.61      | 9.06        | 0.7735                               | 153,667       |
| 1980                        | 622,481.98              | 40.00               | 2.50                              | 20,230.66     | 9.59        | 0.7603                               | 615,215       |
| 1981                        | 832,775.65              | 40.00               | 2.50                              | 27,065.21     | 10.14       | 0.7465                               | 808,167       |
| 1982                        | 691,686.76              | 40.00               | 2.50                              | 22,479.82     | 10.71       | 0.7323                               | 658,434       |
| 1983                        | 97,723.11               | 40.00               | 2.50                              | 3,176.00      | 11.31       | 0.7173                               | 91,119        |
| 1984                        | 214,790.91              | 40.00               | 2.50                              | 6,980.70      | 11.93       | 0.7018                               | 195,948       |
| 1985                        | 265,888.82              | 40.00               | 2.50                              | 8,641.39      | 12.57       | 0.6858                               | 237,033       |
| 1986                        | 347,225.76              | 40.00               | 2.50                              | 11,284.84     | 13.22       | 0.6695                               | 302,208       |
| 1987                        | 415,849.07              | 40.00               | 2.50                              | 13,515.09     | 13.90       | 0.6525                               | 352,744       |
| 1988                        | 441,663.62              | 40.00               | 2.50                              | 14,354.07     | 14.59       | 0.6353                               | 364,737       |
| 1989                        | 934,369.05              | 40.00               | 2.50                              | 30,366.99     | 15.30       | 0.6175                               | 750,065       |
| 1990                        | 730,261.75              | 40.00               | 2.50                              | 23,733.51     | 16.03       | 0.5993                               | 568,892       |
| 1991                        | 821,703.49              | 40.00               | 2.50                              | 26,705.36     | 16.77       | 0.5808                               | 620,366       |
| 1992                        | 860,768.60              | 40.00               | 2.50                              | 27,974.98     | 17.53       | 0.5618                               | 628,598       |
| 1993                        | 934,441.29              | 40.00               | 2.50                              | 30,369.34     | 18.30       | 0.5425                               | 659,015       |
| 1994                        | 715,433.63              | 40.00               | 2.50                              | 23,251.59     | 19.08       | 0.5230                               | 486,423       |
| 1995                        | 1,186,073.65            | 40.00               | 2.50                              | 38,547.39     | 19.88       | 0.5030                               | 775,574       |
| 1996                        | 1,585,701.71            | 40.00               | 2.50                              | 51,535.31     | 20.69       | 0.4828                               | 995,147       |
| 1997                        | 1,452,810.26            | 40.00               | 2.50                              | 47,216.33     | 21.52       | 0.4620                               | 872,558       |
| 1998                        | 902,318.09              | 40.00               | 2.50                              | 29,325.34     | 22.35       | 0.4413                               | 517,592       |
| 1999                        | 1,217,193.30            | 40.00               | 2.50                              | 39,558.78     | 23.20       | 0.4200                               | 664,588       |
| 2000                        | 399,583.45              | 40.00               | 2.50                              | 12,986.46     | 24.06       | 0.3985                               | 207,004       |
| 2003                        | 5,330,114.20            | 40.00               | 2.50                              | 173,228.71    | 26.70       | 0.3325                               | 2,303,942     |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 381.0 METERS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                                           | ORIGINAL COST | AVG. LIFE | --ANNUAL RATE | ACCRUAL--AMOUNT | EXP.  | --ACCRUED FACTOR | DEPREC.--AMOUNT |
|------------------------------------------------|---------------|-----------|---------------|-----------------|-------|------------------|-----------------|
| (1)                                            | (2)           | (3)       | (4)           | (5)             | (6)   | (7)              | (8)             |
| SURVIVOR CURVE.. IOWA 40-R3                    |               |           |               |                 |       |                  |                 |
| NET SALVAGE PERCENT.. -30                      |               |           |               |                 |       |                  |                 |
| 2004                                           | 1,543,576.59  | 40.00     | 2.50          | 50,166.24       | 27.61 | 0.3098           | 621,560         |
| 2005                                           | 3,152,664.24  | 40.00     | 2.50          | 102,461.59      | 28.52 | 0.2870           | 1,176,259       |
| 2006                                           | 2,103,675.10  | 40.00     | 2.50          | 68,369.44       | 29.44 | 0.2640           | 721,981         |
| 2007                                           | 1,339,051.54  | 40.00     | 2.50          | 43,519.18       | 30.37 | 0.2408           | 419,090         |
| 2008                                           | 1,556,735.89  | 40.00     | 2.50          | 50,593.92       | 31.30 | 0.2175           | 440,167         |
| 2009                                           | 1,123,421.58  | 40.00     | 2.50          | 36,511.20       | 32.25 | 0.1938           | 282,962         |
| 2010                                           | 1,454,945.25  | 40.00     | 2.50          | 47,285.72       | 33.20 | 0.1700           | 321,543         |
| 2011                                           | 1,527,641.71  | 40.00     | 2.50          | 49,648.36       | 34.16 | 0.1460           | 289,946         |
| 2012                                           | 2,249,983.04  | 40.00     | 2.50          | 73,124.45       | 35.12 | 0.1220           | 356,847         |
| 2013                                           | 2,611,091.24  | 40.00     | 2.50          | 84,860.47       | 36.09 | 0.0978           | 331,804         |
| 2014                                           | 3,456,619.44  | 40.00     | 2.50          | 112,340.13      | 37.06 | 0.0735           | 330,280         |
| 2015                                           | 4,537,688.55  | 40.00     | 2.50          | 147,474.88      | 38.04 | 0.0490           | 289,051         |
| 2016                                           | 8,944,255.47  | 40.00     | 2.50          | 290,688.30      | 39.02 | 0.0245           | 284,875         |
| 2017                                           | 4,316,163.08  | 40.00     | 2.50          | 140,275.30      | 39.75 | 0.0063           | 35,069          |
| 63,071,601.42                                  |               |           |               | 2,049,827.03    |       | 21,964,622       |                 |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.25 |               |           |               |                 |       |                  |                 |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 382.0 METER INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 50-S2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -50     |                         |                     |                                   |               |             |                                      |               |
| 1951                          | 4,382.43                | 50.00               | 2.00                              | 131.47        | 6.56        | 0.8688                               | 5,711         |
| 1952                          | 13,998.62               | 50.00               | 2.00                              | 419.96        | 6.79        | 0.8642                               | 18,146        |
| 1953                          | 15,989.78               | 50.00               | 2.00                              | 479.69        | 7.03        | 0.8594                               | 20,612        |
| 1954                          | 28,683.01               | 50.00               | 2.00                              | 860.49        | 7.28        | 0.8544                               | 36,760        |
| 1955                          | 39,437.51               | 50.00               | 2.00                              | 1,183.13      | 7.53        | 0.8494                               | 50,247        |
| 1956                          | 58,423.50               | 50.00               | 2.00                              | 1,752.70      | 7.79        | 0.8442                               | 73,982        |
| 1957                          | 68,458.27               | 50.00               | 2.00                              | 2,053.75      | 8.06        | 0.8388                               | 86,134        |
| 1958                          | 37,944.55               | 50.00               | 2.00                              | 1,138.34      | 8.34        | 0.8332                               | 47,423        |
| 1959                          | 62,061.73               | 50.00               | 2.00                              | 1,861.85      | 8.62        | 0.8276                               | 77,043        |
| 1960                          | 44,155.28               | 50.00               | 2.00                              | 1,324.66      | 8.92        | 0.8216                               | 54,417        |
| 1961                          | 43,943.14               | 50.00               | 2.00                              | 1,318.29      | 9.22        | 0.8156                               | 53,760        |
| 1962                          | 63,227.26               | 50.00               | 2.00                              | 1,896.82      | 9.53        | 0.8094                               | 76,764        |
| 1963                          | 56,883.27               | 50.00               | 2.00                              | 1,706.50      | 9.86        | 0.8028                               | 68,499        |
| 1964                          | 71,746.28               | 50.00               | 2.00                              | 2,152.39      | 10.19       | 0.7962                               | 85,687        |
| 1965                          | 76,718.55               | 50.00               | 2.00                              | 2,301.56      | 10.54       | 0.7892                               | 90,819        |
| 1966                          | 53,375.96               | 50.00               | 2.00                              | 1,601.28      | 10.90       | 0.7820                               | 62,610        |
| 1967                          | 52,425.79               | 50.00               | 2.00                              | 1,572.77      | 11.28       | 0.7744                               | 60,898        |
| 1968                          | 89,831.42               | 50.00               | 2.00                              | 2,694.94      | 11.66       | 0.7668                               | 103,324       |
| 1969                          | 98,773.23               | 50.00               | 2.00                              | 2,963.20      | 12.06       | 0.7588                               | 112,424       |
| 1970                          | 59,716.66               | 50.00               | 2.00                              | 1,791.50      | 12.48       | 0.7504                               | 67,217        |
| 1971                          | 90,211.99               | 50.00               | 2.00                              | 2,706.36      | 12.91       | 0.7418                               | 100,379       |
| 1972                          | 45,188.70               | 50.00               | 2.00                              | 1,355.66      | 13.35       | 0.7330                               | 49,685        |
| 1973                          | 8,563.99                | 50.00               | 2.00                              | 256.92        | 13.81       | 0.7238                               | 9,298         |
| 1974                          | 12,889.12               | 50.00               | 2.00                              | 386.67        | 14.29       | 0.7142                               | 13,808        |
| 1975                          | 7,208.96                | 50.00               | 2.00                              | 216.27        | 14.78       | 0.7044                               | 7,617         |
| 1976                          | 7,858.30                | 50.00               | 2.00                              | 235.75        | 15.29       | 0.6942                               | 8,183         |
| 1977                          | 13,924.43               | 50.00               | 2.00                              | 417.73        | 15.82       | 0.6836                               | 14,278        |
| 1978                          | 21,536.73               | 50.00               | 2.00                              | 646.10        | 16.37       | 0.6726                               | 21,728        |
| 1979                          | 7,833.36                | 50.00               | 2.00                              | 235.00        | 16.94       | 0.6612                               | 7,769         |
| 1980                          | 58,948.14               | 50.00               | 2.00                              | 1,768.44      | 17.53       | 0.6494                               | 57,421        |
| 1981                          | 70,507.36               | 50.00               | 2.00                              | 2,115.22      | 18.13       | 0.6374                               | 67,412        |
| 1982                          | 69,630.16               | 50.00               | 2.00                              | 2,088.90      | 18.76       | 0.6248                               | 65,257        |
| 1983                          | 100,383.89              | 50.00               | 2.00                              | 3,011.52      | 19.41       | 0.6118                               | 92,122        |
| 1984                          | 103,538.40              | 50.00               | 2.00                              | 3,106.15      | 20.07       | 0.5986                               | 92,967        |
| 1985                          | 85,858.89               | 50.00               | 2.00                              | 2,575.77      | 20.76       | 0.5848                               | 75,315        |
| 1986                          | 101,968.83              | 50.00               | 2.00                              | 3,059.06      | 21.46       | 0.5708                               | 87,306        |
| 1987                          | 77,155.16               | 50.00               | 2.00                              | 2,314.65      | 22.19       | 0.5562                               | 64,371        |
| 1988                          | 84,111.10               | 50.00               | 2.00                              | 2,523.33      | 22.94       | 0.5412                               | 68,281        |
| 1989                          | 85,148.51               | 50.00               | 2.00                              | 2,554.46      | 23.70       | 0.5260                               | 67,182        |
| 1990                          | 76,365.27               | 50.00               | 2.00                              | 2,290.96      | 24.49       | 0.5102                               | 58,442        |
| 1991                          | 164,132.72              | 50.00               | 2.00                              | 4,923.98      | 25.29       | 0.4942                               | 121,672       |
| 1992                          | 60,992.87               | 50.00               | 2.00                              | 1,829.79      | 26.11       | 0.4778                               | 43,714        |
| 1993                          | 196,730.10              | 50.00               | 2.00                              | 5,901.90      | 26.95       | 0.4610                               | 136,039       |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 382.0 METER INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 50-S2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -50     |                         |                     |                                   |               |             |                                      |               |
| 1994                          | 283,176.53              | 50.00               | 2.00                              | 8,495.30      | 27.81       | 0.4438                               | 188,511       |
| 1995                          | 205,106.57              | 50.00               | 2.00                              | 6,153.20      | 28.68       | 0.4264                               | 131,186       |
| 1996                          | 148,890.59              | 50.00               | 2.00                              | 4,466.72      | 29.57       | 0.4086                               | 91,255        |
| 1997                          | 411,443.01              | 50.00               | 2.00                              | 12,343.29     | 30.47       | 0.3906                               | 241,064       |
| 1998                          | 134,417.37              | 50.00               | 2.00                              | 4,032.52      | 31.38       | 0.3724                               | 75,086        |
| 1999                          | 234,294.57              | 50.00               | 2.00                              | 7,028.84      | 32.31       | 0.3538                               | 124,340       |
| 2000                          | 241,788.24              | 50.00               | 2.00                              | 7,253.65      | 33.24       | 0.3352                               | 121,571       |
| 2003                          | 126,652.43              | 50.00               | 2.00                              | 3,799.57      | 36.11       | 0.2778                               | 52,776        |
| 2004                          | 70,523.83               | 50.00               | 2.00                              | 2,115.71      | 37.08       | 0.2584                               | 27,335        |
| 2005                          | 62,880.48               | 50.00               | 2.00                              | 1,886.41      | 38.06       | 0.2388                               | 22,524        |
| 2006                          | 237,287.77              | 50.00               | 2.00                              | 7,118.63      | 39.04       | 0.2192                               | 78,020        |
| 2007                          | 168,083.05              | 50.00               | 2.00                              | 5,042.49      | 40.03       | 0.1994                               | 50,274        |
| 2008                          | 114,789.83              | 50.00               | 2.00                              | 3,443.69      | 41.02       | 0.1796                               | 30,924        |
| 2009                          | 580,326.63              | 50.00               | 2.00                              | 17,409.80     | 42.01       | 0.1598                               | 139,104       |
| 2010                          | 344,012.35              | 50.00               | 2.00                              | 10,320.37     | 43.01       | 0.1398                               | 72,139        |
| 2011                          | 303,904.35              | 50.00               | 2.00                              | 9,117.13      | 44.00       | 0.1200                               | 54,703        |
| 2012                          | 349,370.72              | 50.00               | 2.00                              | 10,481.12     | 45.00       | 0.1000                               | 52,406        |
| 2013                          | 522,837.43              | 50.00               | 2.00                              | 15,685.12     | 46.00       | 0.0800                               | 62,740        |
| 2014                          | 561,512.21              | 50.00               | 2.00                              | 16,845.37     | 47.00       | 0.0600                               | 50,536        |
| 2015                          | 1,175,936.99            | 50.00               | 2.00                              | 35,278.11     | 48.00       | 0.0400                               | 70,556        |
| 2016                          | 18,558,644.03           | 50.00               | 2.00                              | 556,759.32    | 49.00       | 0.0200                               | 556,759       |
| 2017                          | 867,499.42              | 50.00               | 2.00                              | 26,024.98     | 49.75       | 0.0050                               | 6,506         |
|                               | 28,294,241.62           |                     |                                   | 848,827.22    |             |                                      | 4,883,038     |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.00

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 382.1 METER INSTALLATIONS - BARE STEEL/CAST IRON REPLACEMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 50-S2.5                  |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -50                      |                         |                     |                                   |               |             |                                      |               |
| 2009                                           | 746,229.00              | 50.00               | 2.00                              | 22,386.87     | 42.01       | 0.1598                               | 178,871       |
| 2010                                           | 990,179.00              | 50.00               | 2.00                              | 29,705.37     | 43.01       | 0.1398                               | 207,641       |
| 2011                                           | 1,475,550.96            | 50.00               | 2.00                              | 44,266.53     | 44.00       | 0.1200                               | 265,599       |
| 2012                                           | 2,690,562.86            | 50.00               | 2.00                              | 80,716.89     | 45.00       | 0.1000                               | 403,584       |
| 2013                                           | 2,093,911.89            | 50.00               | 2.00                              | 62,817.36     | 46.00       | 0.0800                               | 251,269       |
| 2014                                           | 3,305,664.70            | 50.00               | 2.00                              | 99,169.94     | 47.00       | 0.0600                               | 297,510       |
| 2015                                           | 5,821,903.34            | 50.00               | 2.00                              | 174,657.10    | 48.00       | 0.0400                               | 349,314       |
| 2016                                           | 3,694,277.52            | 50.00               | 2.00                              | 110,828.33    | 49.00       | 0.0200                               | 110,828       |
| 2017                                           | 2,106,773.44            | 50.00               | 2.00                              | 63,203.20     | 49.75       | 0.0050                               | 15,801        |
|                                                | 22,925,052.71           |                     |                                   | 687,751.59    |             |                                      | 2,080,417     |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.00 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 383.0 HOUSE REGULATORS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 45-R3 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -25   |                         |                     |                                   |               |             |                                      |               |
| 1957                        | 21,962.23               | 45.00               | 2.22                              | 609.45        | 3.99        | 0.9113                               | 25,019        |
| 1958                        | 36,847.05               | 45.00               | 2.22                              | 1,022.51      | 4.25        | 0.9056                               | 41,709        |
| 1959                        | 53,808.09               | 45.00               | 2.22                              | 1,493.17      | 4.52        | 0.8996                               | 60,505        |
| 1960                        | 52,270.90               | 45.00               | 2.22                              | 1,450.52      | 4.79        | 0.8936                               | 58,384        |
| 1961                        | 45,696.09               | 45.00               | 2.22                              | 1,268.07      | 5.06        | 0.8876                               | 50,698        |
| 1962                        | 42,976.58               | 45.00               | 2.22                              | 1,192.60      | 5.35        | 0.8811                               | 47,334        |
| 1963                        | 45,857.88               | 45.00               | 2.22                              | 1,272.56      | 5.65        | 0.8744                               | 50,125        |
| 1964                        | 52,590.91               | 45.00               | 2.22                              | 1,459.40      | 5.96        | 0.8676                               | 57,032        |
| 1965                        | 46,174.84               | 45.00               | 2.22                              | 1,281.35      | 6.29        | 0.8602                               | 49,651        |
| 1966                        | 48,472.72               | 45.00               | 2.22                              | 1,345.12      | 6.63        | 0.8527                               | 51,664        |
| 1967                        | 44,003.90               | 45.00               | 2.22                              | 1,221.11      | 6.99        | 0.8447                               | 46,461        |
| 1968                        | 52,699.08               | 45.00               | 2.22                              | 1,462.40      | 7.37        | 0.8362                               | 55,085        |
| 1969                        | 57,127.46               | 45.00               | 2.22                              | 1,585.29      | 7.76        | 0.8276                               | 59,096        |
| 1970                        | 56,414.66               | 45.00               | 2.22                              | 1,565.51      | 8.18        | 0.8182                               | 57,700        |
| 1971                        | 65,574.95               | 45.00               | 2.22                              | 1,819.70      | 8.62        | 0.8084                               | 66,267        |
| 1972                        | 42,991.08               | 45.00               | 2.22                              | 1,193.00      | 9.08        | 0.7982                               | 42,895        |
| 1973                        | 13,443.22               | 45.00               | 2.22                              | 373.05        | 9.56        | 0.7876                               | 13,234        |
| 1974                        | 11,067.78               | 45.00               | 2.22                              | 307.13        | 10.06       | 0.7764                               | 10,742        |
| 1975                        | 8,253.35                | 45.00               | 2.22                              | 229.03        | 10.58       | 0.7649                               | 7,891         |
| 1976                        | 10,785.34               | 45.00               | 2.22                              | 299.29        | 11.13       | 0.7527                               | 10,147        |
| 1977                        | 7,916.72                | 45.00               | 2.22                              | 219.69        | 11.69       | 0.7402                               | 7,325         |
| 1978                        | 13,070.72               | 45.00               | 2.22                              | 362.71        | 12.27       | 0.7273                               | 11,883        |
| 1979                        | 13,995.74               | 45.00               | 2.22                              | 388.38        | 12.88       | 0.7138                               | 12,487        |
| 1980                        | 101,573.09              | 45.00               | 2.22                              | 2,818.65      | 13.50       | 0.7000                               | 88,876        |
| 1981                        | 97,980.73               | 45.00               | 2.22                              | 2,718.97      | 14.14       | 0.6858                               | 83,992        |
| 1982                        | 61,995.06               | 45.00               | 2.22                              | 1,720.36      | 14.79       | 0.6713                               | 52,024        |
| 1983                        | 91,672.70               | 45.00               | 2.22                              | 2,543.92      | 15.47       | 0.6562                               | 75,197        |
| 1984                        | 120,258.70              | 45.00               | 2.22                              | 3,337.18      | 16.16       | 0.6409                               | 96,341        |
| 1985                        | 134,535.97              | 45.00               | 2.22                              | 3,733.37      | 16.86       | 0.6253                               | 105,162       |
| 1986                        | 145,001.60              | 45.00               | 2.22                              | 4,023.79      | 17.58       | 0.6093                               | 110,442       |
| 1987                        | 128,816.38              | 45.00               | 2.22                              | 3,574.65      | 18.31       | 0.5931                               | 95,503        |
| 1988                        | 147,159.11              | 45.00               | 2.22                              | 4,083.67      | 19.06       | 0.5764                               | 106,035       |
| 1989                        | 132,426.58              | 45.00               | 2.22                              | 3,674.84      | 19.82       | 0.5596                               | 92,626        |
| 1990                        | 223,406.39              | 45.00               | 2.22                              | 6,199.53      | 20.59       | 0.5424                               | 151,481       |
| 1991                        | 167,172.12              | 45.00               | 2.22                              | 4,639.03      | 21.37       | 0.5251                               | 109,730       |
| 1992                        | 376,399.87              | 45.00               | 2.22                              | 10,445.10     | 22.17       | 0.5073                               | 238,699       |
| 1993                        | 240,610.40              | 45.00               | 2.22                              | 6,676.94      | 22.97       | 0.4896                               | 147,242       |
| 1994                        | 198,297.54              | 45.00               | 2.22                              | 5,502.76      | 23.79       | 0.4713                               | 116,829       |
| 1995                        | 112,045.87              | 45.00               | 2.22                              | 3,109.27      | 24.62       | 0.4529                               | 63,431        |
| 1996                        | 161,416.79              | 45.00               | 2.22                              | 4,479.32      | 25.46       | 0.4342                               | 87,613        |
| 1997                        | 159,413.62              | 45.00               | 2.22                              | 4,423.73      | 26.31       | 0.4153                               | 82,762        |
| 1998                        | 417,718.09              | 45.00               | 2.22                              | 11,591.68     | 27.18       | 0.3960                               | 206,770       |
| 1999                        | 164,241.24              | 45.00               | 2.22                              | 4,557.69      | 28.05       | 0.3767                               | 77,331        |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 383.0 HOUSE REGULATORS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 45-R3 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -25   |                         |                     |                                   |               |             |                                      |               |
| 2000                        | 80,455.98               | 45.00               | 2.22                              | 2,232.65      | 28.93       | 0.3571                               | 35,915        |
| 2004                        | 110,694.05              | 45.00               | 2.22                              | 3,071.76      | 32.54       | 0.2769                               | 38,313        |
| 2005                        | 59,458.63               | 45.00               | 2.22                              | 1,649.98      | 33.47       | 0.2562                               | 19,043        |
| 2006                        | 228,174.03              | 45.00               | 2.22                              | 6,331.83      | 34.40       | 0.2356                               | 67,186        |
| 2007                        | 165,195.17              | 45.00               | 2.22                              | 4,584.17      | 35.33       | 0.2149                               | 44,373        |
| 2008                        | 115,819.83              | 45.00               | 2.22                              | 3,214.00      | 36.28       | 0.1938                               | 28,054        |
| 2009                        | 292,622.65              | 45.00               | 2.22                              | 8,120.28      | 37.23       | 0.1727                               | 63,159        |
| 2010                        | 335,203.18              | 45.00               | 2.22                              | 9,301.89      | 38.19       | 0.1513                               | 63,408        |
| 2011                        | 305,530.54              | 45.00               | 2.22                              | 8,478.47      | 39.15       | 0.1300                               | 49,649        |
| 2012                        | 349,949.29              | 45.00               | 2.22                              | 9,711.09      | 40.11       | 0.1087                               | 47,536        |
| 2013                        | 472,444.42              | 45.00               | 2.22                              | 13,110.33     | 41.08       | 0.0871                               | 51,443        |
| 2014                        | 452,683.97              | 45.00               | 2.22                              | 12,561.98     | 42.06       | 0.0653                               | 36,967        |
| 2015                        | 760,875.39              | 45.00               | 2.22                              | 21,114.29     | 43.04       | 0.0436                               | 41,430        |
| 2016                        | 1,393,807.81            | 45.00               | 2.22                              | 38,678.17     | 44.02       | 0.0218                               | 37,946        |
| 2017                        | 418,197.34              | 45.00               | 2.22                              | 11,604.98     | 44.75       | 0.0056                               | 2,906         |
| 9,767,255.42                |                         |                     |                                   | 271,041.36    | 3,708,748   |                                      |               |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.78

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 384.0 HOUSE REGULATOR INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                        | ORIGINAL<br>COST | AVG.<br>LIFE | --ANNUAL ACCRUAL--<br>RATE | AMOUNT   | EXP.  | --ACCRUED DEPREC.--<br>FACTOR | AMOUNT |
|-----------------------------|------------------|--------------|----------------------------|----------|-------|-------------------------------|--------|
| (1)                         | (2)              | (3)          | (4)                        | (5)      | (6)   | (7)                           | (8)    |
| SURVIVOR CURVE.. IOWA 50-R4 |                  |              |                            |          |       |                               |        |
| NET SALVAGE PERCENT.. 0     |                  |              |                            |          |       |                               |        |
| 1925                        | 392.93           | 50.00        |                            |          |       | 1.0000                        | 393    |
| 1932                        | 83.23            | 50.00        |                            |          |       | 1.0000                        | 83     |
| 1935                        | 10.26            | 50.00        |                            |          |       | 1.0000                        | 10     |
| 1936                        | 7.50             | 50.00        |                            |          |       | 1.0000                        | 8      |
| 1937                        | 26.12            | 50.00        |                            |          |       | 1.0000                        | 26     |
| 1941                        | 118.36           | 50.00        | 2.00                       | 2.37     | 0.25  | 0.9950                        | 118    |
| 1942                        | 1.33             | 50.00        | 2.00                       | 0.03     | 0.34  | 0.9932                        | 1      |
| 1943                        | 153.90           | 50.00        | 2.00                       | 3.08     | 0.50  | 0.9900                        | 152    |
| 1944                        | 108.68           | 50.00        | 2.00                       | 2.17     | 0.69  | 0.9862                        | 107    |
| 1945                        | 67.95            | 50.00        | 2.00                       | 1.36     | 0.89  | 0.9822                        | 67     |
| 1946                        | 91.81            | 50.00        | 2.00                       | 1.84     | 1.10  | 0.9780                        | 90     |
| 1947                        | 54.90            | 50.00        | 2.00                       | 1.10     | 1.32  | 0.9736                        | 53     |
| 1948                        | 65.10            | 50.00        | 2.00                       | 1.30     | 1.54  | 0.9692                        | 63     |
| 1949                        | 168.75           | 50.00        | 2.00                       | 3.38     | 1.77  | 0.9646                        | 163    |
| 1950                        | 412.08           | 50.00        | 2.00                       | 8.24     | 2.01  | 0.9598                        | 396    |
| 1951                        | 308.86           | 50.00        | 2.00                       | 6.18     | 2.26  | 0.9548                        | 295    |
| 1952                        | 3,762.07         | 50.00        | 2.00                       | 75.24    | 2.51  | 0.9498                        | 3,573  |
| 1953                        | 1,497.30         | 50.00        | 2.00                       | 29.95    | 2.77  | 0.9446                        | 1,414  |
| 1954                        | 10,928.92        | 50.00        | 2.00                       | 218.58   | 3.03  | 0.9394                        | 10,267 |
| 1955                        | 3,603.59         | 50.00        | 2.00                       | 72.07    | 3.29  | 0.9342                        | 3,366  |
| 1956                        | 3,523.45         | 50.00        | 2.00                       | 70.47    | 3.56  | 0.9288                        | 3,273  |
| 1957                        | 6,788.67         | 50.00        | 2.00                       | 135.77   | 3.83  | 0.9234                        | 6,269  |
| 1958                        | 559.42           | 50.00        | 2.00                       | 11.19    | 4.12  | 0.9176                        | 513    |
| 1959                        | 940.72           | 50.00        | 2.00                       | 18.81    | 4.40  | 0.9120                        | 858    |
| 1960                        | 387.76           | 50.00        | 2.00                       | 7.76     | 4.70  | 0.9060                        | 351    |
| 1961                        | 292.01           | 50.00        | 2.00                       | 5.84     | 5.01  | 0.8998                        | 263    |
| 1962                        | 216.55           | 50.00        | 2.00                       | 4.33     | 5.34  | 0.8932                        | 193    |
| 1963                        | 903.82           | 50.00        | 2.00                       | 18.08    | 5.69  | 0.8862                        | 801    |
| 1964                        | 924.36           | 50.00        | 2.00                       | 18.49    | 6.06  | 0.8788                        | 812    |
| 1965                        | 586.10           | 50.00        | 2.00                       | 11.72    | 6.45  | 0.8710                        | 510    |
| 1966                        | 730.80           | 50.00        | 2.00                       | 14.62    | 6.87  | 0.8626                        | 630    |
| 1967                        | 146.63           | 50.00        | 2.00                       | 2.93     | 7.32  | 0.8536                        | 125    |
| 1968                        | 248.18           | 50.00        | 2.00                       | 4.96     | 7.80  | 0.8440                        | 209    |
| 1969                        | 121.16           | 50.00        | 2.00                       | 2.42     | 8.31  | 0.8338                        | 101    |
| 1970                        | 196.16           | 50.00        | 2.00                       | 3.92     | 8.86  | 0.8228                        | 161    |
| 1971                        | 196.83           | 50.00        | 2.00                       | 3.94     | 9.44  | 0.8112                        | 160    |
| 1972                        | 33.85            | 50.00        | 2.00                       | 0.68     | 10.05 | 0.7990                        | 27     |
| 1973                        | 500.94           | 50.00        | 2.00                       | 10.02    | 10.68 | 0.7864                        | 394    |
| 1974                        | 293.64           | 50.00        | 2.00                       | 5.87     | 11.33 | 0.7734                        | 227    |
| 1978                        | 2,151.91         | 50.00        | 2.00                       | 43.04    | 14.10 | 0.7180                        | 1,545  |
| 1979                        | 3,498.29         | 50.00        | 2.00                       | 69.97    | 14.83 | 0.7034                        | 2,461  |
| 1981                        | 34,331.12        | 50.00        | 2.00                       | 686.62   | 16.33 | 0.6734                        | 23,119 |
| 1982                        | 91,693.58        | 50.00        | 2.00                       | 1,833.87 | 17.10 | 0.6580                        | 60,334 |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 384.0 HOUSE REGULATOR INSTALLATIONS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 50-R4                    |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0                        |                         |                     |                                   |               |             |                                      |               |
| 1983                                           | 211,780.66              | 50.00               | 2.00                              | 4,235.61      | 17.89       | 0.6422                               | 136,006       |
| 1984                                           | 271,773.49              | 50.00               | 2.00                              | 5,435.47      | 18.69       | 0.6262                               | 170,185       |
| 1985                                           | 75,531.68               | 50.00               | 2.00                              | 1,510.63      | 19.51       | 0.6098                               | 46,059        |
| 1986                                           | 30,560.99               | 50.00               | 2.00                              | 611.22        | 20.34       | 0.5932                               | 18,129        |
| 1990                                           | 2,582.29                | 50.00               | 2.00                              | 51.65         | 23.80       | 0.5240                               | 1,353         |
| 1993                                           | 38,790.90               | 50.00               | 2.00                              | 775.82        | 26.52       | 0.4696                               | 18,216        |
| 1995                                           | 20,502.03               | 50.00               | 2.00                              | 410.04        | 28.38       | 0.4324                               | 8,865         |
| 1998                                           | 72,003.38               | 50.00               | 2.00                              | 1,440.07      | 31.23       | 0.3754                               | 27,030        |
| 1999                                           | 14,171.69               | 50.00               | 2.00                              | 283.43        | 32.19       | 0.3562                               | 5,048         |
| 2006                                           | 2,374.22                | 50.00               | 2.00                              | 47.48         | 39.04       | 0.2192                               | 520           |
|                                                | 911,200.92              |                     |                                   | 18,213.63     |             |                                      | 555,392       |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.00 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 385.0 INDUSTRIAL MEASURING AND REGULATING STATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 50-R2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -10     |                         |                     |                                   |               |             |                                      |               |
| 1943                          | 97.36                   | 50.00               | 2.00                              | 2.14          | 4.70        | 0.9060                               | 97            |
| 1950                          | 17.73                   | 50.00               | 2.00                              | 0.39          | 6.32        | 0.8736                               | 17            |
| 1955                          | 29.17                   | 50.00               | 2.00                              | 0.64          | 7.61        | 0.8478                               | 27            |
| 1957                          | 1,313.43                | 50.00               | 2.00                              | 28.90         | 8.19        | 0.8362                               | 1,208         |
| 1958                          | 101.37                  | 50.00               | 2.00                              | 2.23          | 8.50        | 0.8300                               | 93            |
| 1959                          | 42.82                   | 50.00               | 2.00                              | 0.94          | 8.82        | 0.8236                               | 39            |
| 1961                          | 1,283.37                | 50.00               | 2.00                              | 28.23         | 9.50        | 0.8100                               | 1,143         |
| 1962                          | 2,255.74                | 50.00               | 2.00                              | 49.63         | 9.87        | 0.8026                               | 1,992         |
| 1963                          | 236.00                  | 50.00               | 2.00                              | 5.19          | 10.25       | 0.7950                               | 206           |
| 1964                          | 2,676.89                | 50.00               | 2.00                              | 58.89         | 10.65       | 0.7870                               | 2,317         |
| 1965                          | 2,549.47                | 50.00               | 2.00                              | 56.09         | 11.06       | 0.7788                               | 2,184         |
| 1966                          | 4,331.87                | 50.00               | 2.00                              | 95.30         | 11.50       | 0.7700                               | 3,669         |
| 1967                          | 128.60                  | 50.00               | 2.00                              | 2.83          | 11.95       | 0.7610                               | 108           |
| 1968                          | 5,075.55                | 50.00               | 2.00                              | 111.66        | 12.41       | 0.7518                               | 4,197         |
| 1969                          | 11,289.22               | 50.00               | 2.00                              | 248.36        | 12.90       | 0.7420                               | 9,214         |
| 1970                          | 511.02                  | 50.00               | 2.00                              | 11.24         | 13.40       | 0.7320                               | 411           |
| 1971                          | 1,433.47                | 50.00               | 2.00                              | 31.54         | 13.92       | 0.7216                               | 1,138         |
| 1972                          | 2,048.48                | 50.00               | 2.00                              | 45.07         | 14.46       | 0.7108                               | 1,602         |
| 1983                          | 557.05                  | 50.00               | 2.00                              | 12.26         | 21.33       | 0.5734                               | 351           |
| 1989                          | 10,902.79               | 50.00               | 2.00                              | 239.86        | 25.71       | 0.4858                               | 5,826         |
| 1992                          | 861.82                  | 50.00               | 2.00                              | 18.96         | 28.03       | 0.4394                               | 417           |
| 2003                          | 109,416.11              | 50.00               | 2.00                              | 2,407.15      | 37.20       | 0.2560                               | 30,812        |
| 2004                          | 115,883.49              | 50.00               | 2.00                              | 2,549.44      | 38.08       | 0.2384                               | 30,389        |
| 2005                          | 15,200.64               | 50.00               | 2.00                              | 334.41        | 38.96       | 0.2208                               | 3,692         |
| 2006                          | 34,157.70               | 50.00               | 2.00                              | 751.47        | 39.85       | 0.2030                               | 7,627         |
| 2007                          | 24,979.76               | 50.00               | 2.00                              | 549.55        | 40.75       | 0.1850                               | 5,083         |
| 2009                          | 44,578.72               | 50.00               | 2.00                              | 980.73        | 42.56       | 0.1488                               | 7,297         |
|                               | 391,959.64              |                     |                                   | 8,623.10      |             |                                      | 121,156       |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.20

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 387.0 OTHER EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 30-S2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0       |                         |                     |                                   |               |             |                                      |               |
| 2006                          | 20,026.48               | 30.00               | 3.33                              | 666.88        | 19.20       | 0.3600                               | 7,210         |
| 2007                          | 18,713.73               | 30.00               | 3.33                              | 623.17        | 20.14       | 0.3287                               | 6,151         |
| 2015                          | 7,829.73                | 30.00               | 3.33                              | 260.73        | 28.00       | 0.0667                               | 522           |
|                               | 46,569.94               |                     |                                   | 1,550.78      |             |                                      | 13,883        |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.33

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 389.1 LAND AND LAND RIGHTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 65-R4 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0     |                         |                     |                                   |               |             |                                      |               |
| 1966                        | 9,026.11                | 65.00               | 1.54                              | 139.00        | 18.12       | 0.7212                               | 6,510         |
| 1970                        | 6,770.35                | 65.00               | 1.54                              | 104.26        | 21.07       | 0.6759                               | 4,576         |
| 1984                        | 295,451.05              | 65.00               | 1.54                              | 4,549.95      | 32.83       | 0.4949                               | 146,225       |
| 1986                        | 53,065.59               | 65.00               | 1.54                              | 817.21        | 34.66       | 0.4668                               | 24,769        |
| 1988                        | 180,649.80              | 65.00               | 1.54                              | 2,782.01      | 36.52       | 0.4382                               | 79,152        |
| 1990                        | 372,701.82              | 65.00               | 1.54                              | 5,739.61      | 38.40       | 0.4092                               | 152,521       |
| 1991                        | 496,197.00              | 65.00               | 1.54                              | 7,641.43      | 39.35       | 0.3946                               | 195,809       |
| 2004                        | 68,880.78               | 65.00               | 1.54                              | 1,060.76      | 52.04       | 0.1994                               | 13,733        |
|                             | 1,482,742.50            |                     |                                   | 22,834.23     |             |                                      | 623,295       |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.54

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 390.0 STRUCTURES AND IMPROVEMENTS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 50-R2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. -5      |                         |                     |                                   |               |             |                                      |               |
| 1937                          | 523.36                  | 50.00               | 2.00                              | 10.99         | 3.37        | 0.9326                               | 512           |
| 1954                          | 318.54                  | 50.00               | 2.00                              | 6.69          | 7.34        | 0.8532                               | 285           |
| 1958                          | 421.44                  | 50.00               | 2.00                              | 8.85          | 8.50        | 0.8300                               | 367           |
| 1962                          | 338.40                  | 50.00               | 2.00                              | 7.11          | 9.87        | 0.8026                               | 285           |
| 1968                          | 34,026.24               | 50.00               | 2.00                              | 714.55        | 12.41       | 0.7518                               | 26,860        |
| 1969                          | 45,265.00               | 50.00               | 2.00                              | 950.56        | 12.90       | 0.7420                               | 35,266        |
| 1970                          | 6,199.20                | 50.00               | 2.00                              | 130.18        | 13.40       | 0.7320                               | 4,765         |
| 1971                          | 1,996.34                | 50.00               | 2.00                              | 41.92         | 13.92       | 0.7216                               | 1,513         |
| 1972                          | 965.73                  | 50.00               | 2.00                              | 20.28         | 14.46       | 0.7108                               | 721           |
| 1976                          | 406.97                  | 50.00               | 2.00                              | 8.55          | 16.76       | 0.6648                               | 284           |
| 1984                          | 1,009,817.99            | 50.00               | 2.00                              | 21,206.18     | 22.04       | 0.5592                               | 592,925       |
| 1986                          | 941,307.62              | 50.00               | 2.00                              | 19,767.46     | 23.47       | 0.5306                               | 524,431       |
| 1988                          | 986,596.85              | 50.00               | 2.00                              | 20,718.53     | 24.95       | 0.5010                               | 518,999       |
| 1989                          | 11,374.98               | 50.00               | 2.00                              | 238.87        | 25.71       | 0.4858                               | 5,802         |
| 1990                          | 913,194.72              | 50.00               | 2.00                              | 19,177.09     | 26.47       | 0.4706                               | 451,237       |
| 1991                          | 1,130,568.36            | 50.00               | 2.00                              | 23,741.94     | 27.24       | 0.4552                               | 540,366       |
| 1992                          | 125,051.67              | 50.00               | 2.00                              | 2,626.09      | 28.03       | 0.4394                               | 57,695        |
| 1993                          | 150,010.78              | 50.00               | 2.00                              | 3,150.23      | 28.82       | 0.4236                               | 66,722        |
| 1994                          | 6,175.45                | 50.00               | 2.00                              | 129.68        | 29.62       | 0.4076                               | 2,643         |
| 1995                          | 50,646.49               | 50.00               | 2.00                              | 1,063.58      | 30.43       | 0.3914                               | 20,814        |
| 1996                          | 954.06                  | 50.00               | 2.00                              | 20.04         | 31.25       | 0.3750                               | 376           |
| 1997                          | 73,117.15               | 50.00               | 2.00                              | 1,535.46      | 32.08       | 0.3584                               | 27,515        |
| 1999                          | 3,197.46                | 50.00               | 2.00                              | 67.15         | 33.75       | 0.3250                               | 1,091         |
| 2000                          | 18,685.03               | 50.00               | 2.00                              | 392.39        | 34.60       | 0.3080                               | 6,043         |
| 2002                          | 140,836.63              | 50.00               | 2.00                              | 2,957.57      | 36.33       | 0.2734                               | 40,430        |
| 2003                          | 914,159.94              | 50.00               | 2.00                              | 19,197.36     | 37.20       | 0.2560                               | 245,726       |
| 2004                          | 204,485.55              | 50.00               | 2.00                              | 4,294.20      | 38.08       | 0.2384                               | 51,187        |
| 2006                          | 375,830.35              | 50.00               | 2.00                              | 7,892.44      | 39.85       | 0.2030                               | 80,108        |
| 2007                          | 5,345.37                | 50.00               | 2.00                              | 112.25        | 40.75       | 0.1850                               | 1,038         |
| 2008                          | 90,767.87               | 50.00               | 2.00                              | 1,906.13      | 41.65       | 0.1670                               | 15,916        |
| 2009                          | 110,937.27              | 50.00               | 2.00                              | 2,329.68      | 42.56       | 0.1488                               | 17,333        |
| 2010                          | 5,944.61                | 50.00               | 2.00                              | 124.84        | 43.48       | 0.1304                               | 814           |
| 2011                          | 109,034.10              | 50.00               | 2.00                              | 2,289.72      | 44.39       | 0.1122                               | 12,845        |
| 2012                          | 160,595.43              | 50.00               | 2.00                              | 3,372.50      | 45.32       | 0.0936                               | 15,783        |
| 2013                          | 175,539.99              | 50.00               | 2.00                              | 3,686.34      | 46.25       | 0.0750                               | 13,824        |
| 2014                          | 63,308.34               | 50.00               | 2.00                              | 1,329.48      | 47.18       | 0.0564                               | 3,749         |
| 2015                          | 206,802.62              | 50.00               | 2.00                              | 4,342.86      | 48.12       | 0.0376                               | 8,165         |
| 2016                          | 276,225.53              | 50.00               | 2.00                              | 5,800.74      | 49.06       | 0.0188                               | 5,453         |
| 2017                          | 46,559.68               | 50.00               | 2.00                              | 977.75        | 49.76       | 0.0048                               | 235           |
| 8,397,533.11                  |                         |                     |                                   | 176,348.23    | 3,400,123   |                                      |               |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 2.10

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 391.1 OFFICE FURNITURE AND EQUIPMENT - ELECTRONIC EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)             | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| FULLY ACCRUED           |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0 |                         |                     |                                   |               |             |                                      |               |
| 1999                    | 49,158.47               |                     |                                   |               |             | 1.0000                               | 49,158        |
| 2000                    | 21,591.38               |                     |                                   |               |             | 1.0000                               | 21,591        |
|                         | 70,749.85               |                     |                                   |               |             |                                      | 70,749        |

AMORTIZED  
SURVIVOR CURVE.. 15-SQUARE  
NET SALVAGE PERCENT.. 0

|      |            |       |      |           |       |        |         |
|------|------------|-------|------|-----------|-------|--------|---------|
| 2003 | 318,678.79 | 15.00 | 6.67 | 21,255.88 | 1.00  | 0.9333 | 297,432 |
| 2005 | 42,208.05  | 15.00 | 6.67 | 2,815.28  | 3.00  | 0.8000 | 33,766  |
| 2008 | 8,777.56   | 15.00 | 6.67 | 585.46    | 6.00  | 0.6000 | 5,267   |
| 2011 | 46,933.02  | 15.00 | 6.67 | 3,130.43  | 9.00  | 0.4000 | 18,773  |
| 2013 | 10,144.31  | 15.00 | 6.67 | 676.63    | 11.00 | 0.2667 | 2,705   |
| 2015 | 5,645.43   | 15.00 | 6.67 | 376.55    | 13.00 | 0.1333 | 753     |
| 2016 | 25.33      | 15.00 | 6.67 | 1.69      | 14.00 | 0.0667 | 2       |
| 2017 | 218.47     | 15.00 | 6.67 | 14.57     | 14.75 | 0.0167 | 4       |
|      | 432,630.96 |       |      | 28,856.49 |       |        | 358,702 |
|      | 503,380.81 |       |      | 28,856.49 |       |        | 429,451 |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 5.73

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 391.2 OFFICE FURNITURE AND EQUIPMENT - FURNITURE AND FIXTURES

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)             | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| FULLY ACCRUED           |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0 |                         |                     |                                   |               |             |                                      |               |
| 1963                    | 88.32                   |                     |                                   |               |             | 1.0000                               | 88            |
| 1964                    | 1,124.30                |                     |                                   |               |             | 1.0000                               | 1,124         |
| 1965                    | 6,951.43                |                     |                                   |               |             | 1.0000                               | 6,951         |
| 1966                    | 3,264.14                |                     |                                   |               |             | 1.0000                               | 3,264         |
| 1968                    | 11,121.82               |                     |                                   |               |             | 1.0000                               | 11,122        |
| 1970                    | 6,010.08                |                     |                                   |               |             | 1.0000                               | 6,010         |
| 1971                    | 10,824.69               |                     |                                   |               |             | 1.0000                               | 10,825        |
| 1972                    | 4,960.12                |                     |                                   |               |             | 1.0000                               | 4,960         |
| 1973                    | 3,259.61                |                     |                                   |               |             | 1.0000                               | 3,260         |
| 1974                    | 12,888.57               |                     |                                   |               |             | 1.0000                               | 12,889        |
| 1975                    | 33,410.42               |                     |                                   |               |             | 1.0000                               | 33,410        |
| 1976                    | 43,082.68               |                     |                                   |               |             | 1.0000                               | 43,083        |
| 1978                    | 54,399.69               |                     |                                   |               |             | 1.0000                               | 54,400        |
| 1979                    | 129,016.88              |                     |                                   |               |             | 1.0000                               | 129,017       |
| 1981                    | 906,687.70              |                     |                                   |               |             | 1.0000                               | 906,688       |
| 1993                    | 7,905.77                |                     |                                   |               |             | 1.0000                               | 7,906         |
| 1994                    | 85.09                   |                     |                                   |               |             | 1.0000                               | 85            |
| 1996                    | 342,528.64              |                     |                                   |               |             | 1.0000                               | 342,529       |
|                         | 1,577,609.95            |                     |                                   |               |             |                                      | 1,577,611     |

AMORTIZED  
SURVIVOR CURVE.. 20-SQUARE  
NET SALVAGE PERCENT.. 0

|      |              |       |      |           |       |        |           |
|------|--------------|-------|------|-----------|-------|--------|-----------|
| 1999 | 104,789.79   | 20.00 | 5.00 | 5,239.49  | 2.00  | 0.9000 | 94,311    |
| 2000 | 202,011.41   | 20.00 | 5.00 | 10,100.57 | 3.00  | 0.8500 | 171,710   |
| 2002 | 158,649.07   | 20.00 | 5.00 | 7,932.45  | 5.00  | 0.7500 | 118,987   |
| 2003 | 6,601.74     | 20.00 | 5.00 | 330.09    | 6.00  | 0.7000 | 4,621     |
| 2006 | 52,941.04    | 20.00 | 5.00 | 2,647.05  | 9.00  | 0.5500 | 29,118    |
| 2008 | 90,738.32    | 20.00 | 5.00 | 4,536.92  | 11.00 | 0.4500 | 40,832    |
| 2011 | 14,922.73    | 20.00 | 5.00 | 746.14    | 14.00 | 0.3000 | 4,477     |
| 2013 | 4,548.81     | 20.00 | 5.00 | 227.44    | 16.00 | 0.2000 | 910       |
| 2014 | 142,802.68   | 20.00 | 5.00 | 7,140.13  | 17.00 | 0.1500 | 21,420    |
| 2015 | 22,338.94    | 20.00 | 5.00 | 1,116.95  | 18.00 | 0.1000 | 2,234     |
| 2016 | 752.78       | 20.00 | 5.00 | 37.64     | 19.00 | 0.0500 | 38        |
|      | 801,097.31   |       |      | 40,054.87 |       |        | 488,658   |
|      | 2,378,707.26 |       |      | 40,054.87 |       |        | 2,066,269 |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 1.68

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.1 TRANSPORTATION EQUIPMENT - AUTOS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 11-L3 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. +15   |                         |                     |                                   |               |             |                                      |               |
| 1992                        | 16,574.21               | 11.00               | 9.09                              | 1,280.61      | 0.26        | 0.9764                               | 13,755        |
| 1993                        | 15,717.66               | 11.00               | 9.09                              | 1,214.42      | 0.45        | 0.9591                               | 12,813        |
| 2005                        | 17,523.17               | 11.00               | 9.09                              | 1,353.93      | 3.13        | 0.7155                               | 10,656        |
| 2008                        | 84,383.69               | 11.00               | 9.09                              | 6,519.91      | 3.75        | 0.6591                               | 47,274        |
| 2012                        | 251,418.01              | 11.00               | 9.09                              | 19,425.81     | 6.21        | 0.4355                               | 93,058        |
| 2013                        | 96,706.43               | 11.00               | 9.09                              | 7,472.02      | 7.10        | 0.3546                               | 29,144        |
| 2014                        | 575,389.88              | 11.00               | 9.09                              | 44,457.50     | 8.03        | 0.2700                               | 132,052       |
| 2015                        | 351,934.59              | 11.00               | 9.09                              | 27,192.23     | 9.00        | 0.1818                               | 54,390        |
| 2016                        | 27,496.02               | 11.00               | 9.09                              | 2,124.48      | 10.00       | 0.0909                               | 2,125         |
| 2017                        | 166,796.52              | 11.00               | 9.09                              | 12,887.53     | 10.75       | 0.0227                               | 3,223         |
|                             | 1,603,940.18            |                     |                                   | 123,928.44    |             |                                      | 398,490       |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 7.73

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.2 TRANSPORTATION EQUIPMENT - LIGHT TRUCKS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 13-S2                    |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. +15                      |                         |                     |                                   |               |             |                                      |               |
| 1995                                           | 5,810.99                | 13.00               | 7.69                              | 379.84        | 0.76        | 0.9415                               | 4,651         |
| 1996                                           | 3,276.51                | 13.00               | 7.69                              | 214.17        | 0.97        | 0.9254                               | 2,577         |
| 1997                                           | 8,384.53                | 13.00               | 7.69                              | 548.05        | 1.20        | 0.9077                               | 6,469         |
| 1999                                           | 49,569.56               | 13.00               | 7.69                              | 3,240.11      | 1.69        | 0.8700                               | 36,657        |
| 2004                                           | 53,797.33               | 13.00               | 7.69                              | 3,516.46      | 3.29        | 0.7469                               | 34,155        |
| 2006                                           | 512,570.42              | 13.00               | 7.69                              | 33,504.17     | 4.17        | 0.6792                               | 295,930       |
| 2007                                           | 215,236.14              | 13.00               | 7.69                              | 14,068.91     | 4.68        | 0.6400                               | 117,088       |
| 2008                                           | 236,500.10              | 13.00               | 7.69                              | 15,458.83     | 5.25        | 0.5962                               | 119,841       |
| 2009                                           | 448,416.53              | 13.00               | 7.69                              | 29,310.75     | 5.88        | 0.5477                               | 208,754       |
| 2011                                           | 369,893.63              | 13.00               | 7.69                              | 24,178.10     | 7.34        | 0.4354                               | 136,888       |
| 2012                                           | 257,169.94              | 13.00               | 7.69                              | 16,809.91     | 8.18        | 0.3708                               | 81,048        |
| 2013                                           | 651,370.92              | 13.00               | 7.69                              | 42,576.86     | 9.08        | 0.3015                               | 166,952       |
| 2014                                           | 164,485.88              | 13.00               | 7.69                              | 10,751.62     | 10.02       | 0.2292                               | 32,049        |
| 2015                                           | 210,607.24              | 13.00               | 7.69                              | 13,766.34     | 11.00       | 0.1539                               | 27,542        |
| 2016                                           | 761,775.71              | 13.00               | 7.69                              | 49,793.47     | 12.00       | 0.0769                               | 49,806        |
| 2017                                           | 59,174.41               | 13.00               | 7.69                              | 3,867.94      | 12.75       | 0.0192                               | 967           |
|                                                | 4,008,039.84            |                     |                                   | 261,985.53    |             |                                      | 1,321,374     |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 6.54 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.3 TRANSPORTATION EQUIPMENT - TRAILERS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                 | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 22-S2 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. +5    |                         |                     |                                   |               |             |                                      |               |
| 1970                        | 2,066.79                | 22.00               |                                   |               |             | 1.0000                               | 1,963         |
| 1992                        | 71,333.06               | 22.00               | 4.55                              | 3,083.37      | 4.48        | 0.7964                               | 53,966        |
| 1993                        | 159,728.46              | 22.00               | 4.55                              | 6,904.26      | 4.83        | 0.7805                               | 118,427       |
| 1996                        | 42,867.63               | 22.00               | 4.55                              | 1,852.95      | 5.98        | 0.7282                               | 29,655        |
| 1997                        | 3,309.19                | 22.00               | 4.55                              | 143.04        | 6.42        | 0.7082                               | 2,226         |
| 1998                        | 62,584.10               | 22.00               | 4.55                              | 2,705.20      | 6.87        | 0.6877                               | 40,889        |
| 1999                        | 32,111.73               | 22.00               | 4.55                              | 1,388.03      | 7.36        | 0.6655                               | 20,300        |
| 2000                        | 64,723.63               | 22.00               | 4.55                              | 2,797.68      | 7.88        | 0.6418                               | 39,464        |
| 2008                        | 14,710.26               | 22.00               | 4.55                              | 635.85        | 13.38       | 0.3918                               | 5,476         |
| 2009                        | 28,097.29               | 22.00               | 4.55                              | 1,214.51      | 14.25       | 0.3523                               | 9,403         |
| 2010                        | 38,018.56               | 22.00               | 4.55                              | 1,643.35      | 15.15       | 0.3114                               | 11,246        |
| 2011                        | 117,004.87              | 22.00               | 4.55                              | 5,057.54      | 16.08       | 0.2691                               | 29,911        |
| 2013                        | 12,791.20               | 22.00               | 4.55                              | 552.90        | 18.02       | 0.1809                               | 2,198         |
| 2014                        | 12,103.66               | 22.00               | 4.55                              | 523.18        | 19.00       | 0.1364                               | 1,568         |
| 2015                        | 10,868.23               | 22.00               | 4.55                              | 469.78        | 20.00       | 0.0909                               | 939           |
| 2017                        | 9,554.31                | 22.00               | 4.55                              | 412.99        | 21.75       | 0.0114                               | 103           |
|                             | 681,872.97              |                     |                                   | 29,384.63     |             |                                      | 367,734       |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 4.31

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 392.4 TRANSPORTATION EQUIPMENT - HEAVY TRUCKS

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                   | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. IOWA 16-S2.5 |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. +10     |                         |                     |                                   |               |             |                                      |               |
| 1996                          | 51,072.74               | 16.00               | 6.25                              | 2,872.84      | 2.13        | 0.8669                               | 39,847        |
| 1999                          | 206,322.57              | 16.00               | 6.25                              | 11,605.64     | 2.93        | 0.8169                               | 151,687       |
| 2004                          | 437,384.23              | 16.00               | 6.25                              | 24,602.86     | 4.96        | 0.6900                               | 271,616       |
| 2006                          | 685,891.74              | 16.00               | 6.25                              | 38,581.41     | 6.13        | 0.6169                               | 380,802       |
| 2007                          | 465,346.80              | 16.00               | 6.25                              | 26,175.76     | 6.81        | 0.5744                               | 240,557       |
| 2008                          | 21,171.49               | 16.00               | 6.25                              | 1,190.90      | 7.55        | 0.5281                               | 10,063        |
| 2009                          | 546,095.61              | 16.00               | 6.25                              | 30,717.88     | 8.36        | 0.4775                               | 234,685       |
| 2010                          | 225,050.09              | 16.00               | 6.25                              | 12,659.07     | 9.21        | 0.4244                               | 85,956        |
| 2011                          | 1,840.09                | 16.00               | 6.25                              | 103.51        | 10.12       | 0.3675                               | 609           |
| 2012                          | 324,515.70              | 16.00               | 6.25                              | 18,254.01     | 11.06       | 0.3088                               | 90,175        |
| 2015                          | 127,753.69              | 16.00               | 6.25                              | 7,186.15      | 14.00       | 0.1250                               | 14,372        |
| 2016                          | 135,730.69              | 16.00               | 6.25                              | 7,634.85      | 15.00       | 0.0625                               | 7,635         |
|                               | 3,228,175.44            |                     |                                   | 181,584.88    |             |                                      | 1,528,004     |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 5.63

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 394.0 TOOLS, SHOP AND GARAGE EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)             | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|-------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| FULLY ACCRUED           |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0 |                         |                     |                                   |               |             |                                      |               |
| 1952                    | 3,966.59                |                     |                                   |               |             | 1.0000                               | 3,967         |
| 1953                    | 4,066.46                |                     |                                   |               |             | 1.0000                               | 4,066         |
| 1955                    | 870.91                  |                     |                                   |               |             | 1.0000                               | 871           |
| 1957                    | 1,245.51                |                     |                                   |               |             | 1.0000                               | 1,246         |
| 1959                    | 1,269.04                |                     |                                   |               |             | 1.0000                               | 1,269         |
| 1961                    | 2,286.49                |                     |                                   |               |             | 1.0000                               | 2,286         |
| 1963                    | 5,359.58                |                     |                                   |               |             | 1.0000                               | 5,360         |
| 1966                    | 8,871.79                |                     |                                   |               |             | 1.0000                               | 8,872         |
| 1968                    | 16,033.67               |                     |                                   |               |             | 1.0000                               | 16,034        |
| 1969                    | 48,208.53               |                     |                                   |               |             | 1.0000                               | 48,209        |
| 1974                    | 4,614.47                |                     |                                   |               |             | 1.0000                               | 4,614         |
| 1979                    | 113,587.28              |                     |                                   |               |             | 1.0000                               | 113,587       |
| 1981                    | 178,279.31              |                     |                                   |               |             | 1.0000                               | 178,279       |
|                         | 388,659.63              |                     |                                   |               |             |                                      | 388,660       |

AMORTIZED  
SURVIVOR CURVE.. 25-SQUARE  
NET SALVAGE PERCENT.. 0

|      |            |       |      |           |       |        |         |
|------|------------|-------|------|-----------|-------|--------|---------|
| 1993 | 389,805.81 | 25.00 | 4.00 | 15,592.23 | 1.00  | 0.9600 | 374,214 |
| 2000 | 8,683.18   | 25.00 | 4.00 | 347.33    | 8.00  | 0.6800 | 5,905   |
| 2002 | 19,015.13  | 25.00 | 4.00 | 760.61    | 10.00 | 0.6000 | 11,409  |
| 2003 | 444,876.37 | 25.00 | 4.00 | 17,795.05 | 11.00 | 0.5600 | 249,131 |
| 2004 | 118,075.24 | 25.00 | 4.00 | 4,723.01  | 12.00 | 0.5200 | 61,399  |
| 2005 | 38,624.66  | 25.00 | 4.00 | 1,544.99  | 13.00 | 0.4800 | 18,540  |
| 2006 | 111,064.22 | 25.00 | 4.00 | 4,442.57  | 14.00 | 0.4400 | 48,868  |
| 2007 | 148,843.71 | 25.00 | 4.00 | 5,953.75  | 15.00 | 0.4000 | 59,537  |
| 2008 | 97,886.61  | 25.00 | 4.00 | 3,915.46  | 16.00 | 0.3600 | 35,239  |
| 2009 | 34,532.83  | 25.00 | 4.00 | 1,381.31  | 17.00 | 0.3200 | 11,051  |
| 2010 | 32,460.62  | 25.00 | 4.00 | 1,298.42  | 18.00 | 0.2800 | 9,089   |
| 2011 | 193,327.98 | 25.00 | 4.00 | 7,733.12  | 19.00 | 0.2400 | 46,399  |
| 2012 | 63,606.02  | 25.00 | 4.00 | 2,544.24  | 20.00 | 0.2000 | 12,721  |
| 2013 | 267,098.10 | 25.00 | 4.00 | 10,683.92 | 21.00 | 0.1600 | 42,736  |
| 2014 | 82,811.92  | 25.00 | 4.00 | 3,312.48  | 22.00 | 0.1200 | 9,937   |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 394.0 TOOLS, SHOP AND GARAGE EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| AMORTIZED                                      |                         |                     |                                   |               |             |                                      |               |
| SURVIVOR CURVE.. 25-SQUARE                     |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0                        |                         |                     |                                   |               |             |                                      |               |
| 2015                                           | 92,315.46               | 25.00               | 4.00                              | 3,692.62      | 23.00       | 0.0800                               | 7,385         |
| 2016                                           | 53,585.42               | 25.00               | 4.00                              | 2,143.42      | 24.00       | 0.0400                               | 2,143         |
| 2017                                           | 28,368.41               | 25.00               | 4.00                              | 1,134.74      | 24.75       | 0.0100                               | 284           |
|                                                | 2,224,981.69            |                     |                                   | 88,999.27     |             |                                      | 1,005,987     |
|                                                | 2,613,641.32            |                     |                                   | 88,999.27     |             |                                      | 1,394,647     |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.41 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 396.0 POWER OPERATED EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR                                           | ORIGINAL COST | AVG. LIFE | --ANNUAL RATE | ACCRUAL AMOUNT | EXP.    | --ACCRUED FACTOR | DEPREC. AMOUNT |
|------------------------------------------------|---------------|-----------|---------------|----------------|---------|------------------|----------------|
| (1)                                            | (2)           | (3)       | (4)           | (5)            | (6)     | (7)              | (8)            |
| SURVIVOR CURVE.. IOWA 23-R3                    |               |           |               |                |         |                  |                |
| NET SALVAGE PERCENT.. +10                      |               |           |               |                |         |                  |                |
| 1994                                           | 18,839.73     | 23.00     | 4.35          | 737.58         | 4.64    | 0.7983           | 13,535         |
| 1996                                           | 195,311.31    | 23.00     | 4.35          | 7,646.44       | 5.66    | 0.7539           | 132,522        |
| 1998                                           | 105,882.50    | 23.00     | 4.35          | 4,145.30       | 6.84    | 0.7026           | 66,955         |
| 1999                                           | 117,928.34    | 23.00     | 4.35          | 4,616.89       | 7.49    | 0.6744           | 71,572         |
| 2000                                           | 9,456.14      | 23.00     | 4.35          | 370.21         | 8.16    | 0.6452           | 5,491          |
| 2004                                           | 29,167.64     | 23.00     | 4.35          | 1,141.91       | 11.15   | 0.5152           | 13,525         |
| 2006                                           | 37,608.55     | 23.00     | 4.35          | 1,472.37       | 12.79   | 0.4439           | 15,025         |
| 2007                                           | 160,804.32    | 23.00     | 4.35          | 6,295.49       | 13.64   | 0.4070           | 58,897         |
| 2009                                           | 173,132.82    | 23.00     | 4.35          | 6,778.15       | 15.40   | 0.3304           | 51,487         |
| 2010                                           | 62,045.18     | 23.00     | 4.35          | 2,429.07       | 16.31   | 0.2909           | 16,242         |
| 2011                                           | 189,549.30    | 23.00     | 4.35          | 7,420.86       | 17.23   | 0.2509           | 42,797         |
| 2012                                           | 19,548.98     | 23.00     | 4.35          | 765.34         | 18.16   | 0.2104           | 3,702          |
| 2013                                           | 20,363.39     | 23.00     | 4.35          | 797.23         | 19.11   | 0.1691           | 3,100          |
| 2014                                           | 66,678.78     | 23.00     | 4.35          | 2,610.47       | 20.07   | 0.1274           | 7,645          |
| 2015                                           | 99,313.68     | 23.00     | 4.35          | 3,888.13       | 21.04   | 0.0852           | 7,617          |
| 2016                                           | 78,664.90     | 23.00     | 4.35          | 3,079.73       | 22.02   | 0.0426           | 3,017          |
| 2017                                           | 346.73        | 23.00     | 4.35          | 13.57          | 22.75   | 0.0109           | 3              |
| 1,384,642.29                                   |               |           |               | 54,208.74      | 513,132 |                  |                |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 3.91 |               |           |               |                |         |                  |                |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 397.0 COMMUNICATION EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                                    | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|------------------------------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| FULLY ACCRUED                                  |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0                        |                         |                     |                                   |               |             |                                      |               |
| 2000                                           | 95,369.41               |                     |                                   |               |             | 1.0000                               | 95,369        |
| 2001                                           | 51,049.98               |                     |                                   |               |             | 1.0000                               | 51,050        |
|                                                | 146,419.39              |                     |                                   |               |             |                                      | 146,419       |
| AMORTIZED                                      |                         |                     |                                   |               |             |                                      |               |
| SURVIVOR CURVE.. 15-SQUARE                     |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0                        |                         |                     |                                   |               |             |                                      |               |
| 2003                                           | 49,762.65               | 15.00               | 6.67                              | 3,319.17      | 1.00        | 0.9333                               | 46,445        |
| 2006                                           | 17,149.18               | 15.00               | 6.67                              | 1,143.85      | 4.00        | 0.7333                               | 12,576        |
| 2007                                           | 5,574,001.14            | 15.00               | 6.67                              | 371,785.88    | 5.00        | 0.6667                               | 3,716,019     |
| 2008                                           | 6,661.29                | 15.00               | 6.67                              | 444.31        | 6.00        | 0.6000                               | 3,997         |
| 2010                                           | 597,178.80              | 15.00               | 6.67                              | 39,831.83     | 8.00        | 0.4667                               | 278,685       |
| 2011                                           | 544,354.57              | 15.00               | 6.67                              | 36,308.45     | 9.00        | 0.4000                               | 217,742       |
| 2012                                           | 52,694.23               | 15.00               | 6.67                              | 3,514.71      | 10.00       | 0.3333                               | 17,565        |
| 2013                                           | 39,238.21               | 15.00               | 6.67                              | 2,617.19      | 11.00       | 0.2667                               | 10,464        |
| 2014                                           | 1,689,965.26            | 15.00               | 6.67                              | 112,720.68    | 12.00       | 0.2000                               | 337,993       |
| 2015                                           | 47,004.91               | 15.00               | 6.67                              | 3,135.23      | 13.00       | 0.1333                               | 6,267         |
| 2016                                           | 54,842.07               | 15.00               | 6.67                              | 3,657.97      | 14.00       | 0.0667                               | 3,656         |
| 2017                                           | 1,132.20                | 15.00               | 6.67                              | 75.52         | 14.75       | 0.0167                               | 19            |
|                                                | 8,673,984.51            |                     |                                   | 578,554.79    |             |                                      | 4,651,428     |
|                                                | 8,820,403.90            |                     |                                   | 578,554.79    |             |                                      | 4,797,847     |
| COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 6.56 |                         |                     |                                   |               |             |                                      |               |

VECTREN ENERGY DELIVERY OF OHIO

ACCOUNT 398.0 MISCELLANEOUS EQUIPMENT

CALCULATED ANNUAL AND ACCRUED DEPRECIATION  
RELATED TO ORIGINAL COST AS OF JUNE 30, 2017

| YEAR<br>(1)                | ORIGINAL<br>COST<br>(2) | AVG.<br>LIFE<br>(3) | --ANNUAL ACCRUAL--<br>RATE<br>(4) | AMOUNT<br>(5) | EXP.<br>(6) | --ACCRUED DEPREC.--<br>FACTOR<br>(7) | AMOUNT<br>(8) |
|----------------------------|-------------------------|---------------------|-----------------------------------|---------------|-------------|--------------------------------------|---------------|
| SURVIVOR CURVE.. 20-SQUARE |                         |                     |                                   |               |             |                                      |               |
| NET SALVAGE PERCENT.. 0    |                         |                     |                                   |               |             |                                      |               |
| 2004                       | 626,572.21              | 20.00               | 5.00                              | 31,328.61     | 7.00        | 0.6500                               | 407,272       |
| 2006                       | 3,872.70                | 20.00               | 5.00                              | 193.64        | 9.00        | 0.5500                               | 2,130         |
| 2007                       | 2,423.57                | 20.00               | 5.00                              | 121.18        | 10.00       | 0.5000                               | 1,212         |
| 2011                       | 9,412.72                | 20.00               | 5.00                              | 470.64        | 14.00       | 0.3000                               | 2,824         |
| 2012                       | 33,358.94               | 20.00               | 5.00                              | 1,667.95      | 15.00       | 0.2500                               | 8,340         |
| 2013                       | 154,947.36              | 20.00               | 5.00                              | 7,747.37      | 16.00       | 0.2000                               | 30,989        |
| 2014                       | 20,749.58               | 20.00               | 5.00                              | 1,037.48      | 17.00       | 0.1500                               | 3,112         |
| 2015                       | 13,378.95               | 20.00               | 5.00                              | 668.95        | 18.00       | 0.1000                               | 1,338         |
| 2016                       | 66,182.38               | 20.00               | 5.00                              | 3,309.12      | 19.00       | 0.0500                               | 3,309         |
|                            | 930,898.41              |                     |                                   | 46,544.94     |             |                                      | 460,526       |

COMPOSITE ANNUAL ACCRUAL RATE, PERCENT .. 5.00

**This foregoing document was electronically filed with the Public Utilities**

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**Case No(s). 18-0298-GA-AIR, 18-0299-GA-ALT**

Summary: Exhibit 10.0 - Direct Testimony of John J. Spanos electronically filed by Ms. Rebekah J. Glover on behalf of Vectren Energy Delivery of Ohio, Inc.