BEFORE THE CORPORATION COMMISSION OF THE STATE OF OKLAHOMA

IN THE MATTER OF THE APPLICATION OF)	
OKLAHOMA GAS AND ELECTRIC)	
COMPANY FOR AN ORDER OF THE)	PU
COMMISSION AUTHORIZING APPLICANT)	
TO MODIFY ITS RATES, CHARGES, AND)	
TARIFFS FOR RETAIL ELECTRIC SERVICE)	
IN OKLAHOMA)	

PUD 2023-000087

RESPONSIVE TESTIMONY OF BRIAN C. ANDREWS

ON BEHALF OF

THE FEDERAL EXECUTIVE AGENCIES

Ashley N. George, attorney for the Federal Executive Agencies ("FEA"), hereby submits the

Responsive Testimony of Brian C. Andrews in the proceeding referenced above.

Respectfully submitted,

ASHLEY N. GEORGE, CAPT, USAF FEA ATTORNEY

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Leslie R. Newton, Maj, USAF Thomas A. Jernigan **FEDERAL EXECUTIVE AGENCIES** AF/JAOE-ULFSC 139 Barnes Drive, Suite 1 Tyndall Air Force Base, Florida 32403 (850) 283-6289 ashley.george.4@us.af.mil leslie.newton.1@us.af.mil thomas.jernigan.3@us.af.mil Org Box Email: ULFSC.Tyndall@us.af.mil

BEFORE THE CORPORATION COMMISSION OF THE STATE OF OKLAHOMA

IN THE MATTER OF THE APPLICATION OF OKLAHOMA GAS AND ELECTRIC COMPANY FOR AN ORDER OF THE COMMISSION AUTHORIZING APPLICANT TO MODIFY ITS RATES, CHARGES, AND TARIFFS FOR RETAIL ELECTRIC SERVICE IN OKLAHOMA

CASE NO. PUD2023-000087

Responsive Testimony and Exhibits of

Brian C. Andrews

for Revenue Requirement Issues

On behalf of

Federal Executive Agencies

April 26, 2024



Project 11603

BEFORE THE CORPORATION COMMISSION OF THE STATE OF OKLAHOMA

IN THE MATTER OF THE APPLICATION OF OKLAHOMA GAS AND ELECTRIC COMPANY FOR AN ORDER OF THE COMMISSION AUTHORIZING APPLICANT TO MODIFY ITS RATES, CHARGES, AND TARIFFS FOR RETAIL ELECTRIC SERVICE IN OKLAHOMA

)

CASE NO. PUD2023-000087

STATE OF MISSOURI

COUNTY OF ST. LOUIS

SS

Affidavit of Brian C. Andrews

Brian C. Andrews, being first duly sworn, on his oath states:

1. My name is Brian C. Andrews. I am a consultant with Brubaker & Associates, Inc., having its principal place of business at 16690 Swingley Ridge Road, Suite 140, Chesterfield, Missouri 63017. We have been retained by the Federal Executive Agencies in this proceeding on their behalf.

2. Attached hereto and made a part hereof for all purposes are my responsive testimony and exhibits which were prepared in written form for introduction into evidence in the Corporation Commission of the State of Oklahoma Case No. PUD2023-000087.

3. I hereby swear and affirm that the testimony and exhibits are true and correct and that they show the matters and things that they purport to show.

Brian C. Andrews

Subscribed and sworn to before me this 26th day of April, 2024

ADRIENNE JEAN NAVARRO Notary Public - Notary Seal STATE OF MISSOURI Jefferson County My Commission Expires: Mar. 22, 2025 Commission # 21989987

Notary Public

BRUBAKER & ASSOCIATES, INC.

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BEFORE THE CORPORATION COMMISSION OF THE STATE OF OKLAHOMA

IN THE MATTER OF THE APPLICATION OF OKLAHOMA GAS AND ELECTRIC COMPANY FOR AN ORDER OF THE COMMISSION AUTHORIZING APPLICANT TO MODIFY ITS RATES, CHARGES, AND TARIFFS FOR RETAIL ELECTRIC SERVICE IN OKLAHOMA

CASE NO. PUD2023-000087

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- Exhibit BCA-13: Comparison of OG&E and FEA Depreciation Rates
- Exhibit BCA-14: Test Year Depreciation Expense Impact of FEA's Proposed Depreciation Rates

BEFORE THE CORPORATION COMMISSION OF THE STATE OF OKLAHOMA

IN THE MATTER OF THE APPLICATION OF OKLAHOMA GAS AND ELECTRIC COMPANY FOR AN ORDER OF THE COMMISSION AUTHORIZING APPLICANT TO MODIFY ITS RATES, CHARGES, AND TARIFFS FOR RETAIL ELECTRIC SERVICE IN OKLAHOMA

CASE NO. PUD2023-000087

Responsive Testimony of Brian C. Andrews

I. INTRODUCTION AND SUMMARY

- 2 Q PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.
- 3 A Brian C. Andrews. My business address is 16690 Swingley Ridge Road, Suite 140,
- 4 Chesterfield, MO 63017.

1

- 5 Q WHAT IS YOUR OCCUPATION?
- 6 A I am a consultant in the field of public utility regulation and a Principal with the firm of
- 7 Brubaker & Associates, Inc. ("BAI"), energy, economic and regulatory consultants.

8 Q PLEASE DESCRIBE YOUR EDUCATIONAL BACKGROUND AND EXPERIENCE.

9 A This information is included in Appendix A to my testimony.

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1 Q DO YOU BELONG TO ANY PROFESSIONAL SOCIETIES?

A Yes. I am a member and a former President of the Society of Depreciation
 Professionals ("SDP").

4 Q DO YOU HOLD ANY CERTIFICATIONS AS A DEPRECIATION EXPERT?

5 A Yes. SDP has awarded me the designation of Certified Depreciation Professional 6 ("CDP"). This certification is based upon my education, experience, and successful 7 completion of the CDP Exam.

8 Q ON WHOSE BEHALF ARE YOU APPEARING IN THIS PROCEEDING?

9 A I am testifying on behalf of the Federal Executive Agencies ("FEA"), consisting of
10 certain agencies of the United States government which have offices, facilities, and/or
11 installations in the service area of Oklahoma Gas and Electric Company ("OG&E" or
12 "Company"), from whom they purchase electricity and energy services.

13 Q WHAT IS THE SUBJECT MATTER OF YOUR RESPONSIVE TESTIMONY?

A My testimony will address OG&E's proposed depreciation rates and expense. I will propose adjustments to OG&E's proposed depreciation rates for its Wind Production, Transmission, and Distribution Accounts. I present FEA's proposed depreciation rates in Exhibit BCA-12. There are two main areas of differences between the FEA's proposed depreciation rates and those in OG&E's 2022 depreciation study; the estimated life span of the wind facilities and the Average Service Lives ("ASL") for the Transmission and Distribution ("T&D") Plant Accounts.

It is important to note that some of the parameters shown in my exhibits are
 based on OG&E's assumptions on which I have not taken a position. My silence in

Page 3

- regard to any of OG&E's assumptions or any issues should not be construed as an
 endorsement of OG&E's position. Although I do not take a position on assumptions for
 some accounts, Exhibit BCA-12 presents depreciation rates for all of OG&E's accounts
 to allow for a complete set of depreciation rates to be approved by the Corporation
 Commission of the State of Oklahoma ("Commission").
- Q HAVE YOU PREVIOUSLY FILED TESTIMONY BEFORE THE COMMISSION
 7 REGARDING DEPRECIATION ISSUES?
- 8 A Yes. I filed testimony in OG&E's last four rate cases, Cause Nos. PUD 201500273,
- 9 PUD 201700496, PUD 201800140, and PUD 202100164 regarding OG&E's
- 10 depreciation rates. In addition, I have filed depreciation-related testimony in Arizona,
- 11 Arkansas, California, Colorado, Florida, Illinois, Indiana, Kansas, Kentucky, Louisiana,
- 12 Michigan, Minnesota, Missouri, Montana, New Mexico, Oklahoma, South Carolina,
- 13 Texas, and Washington DC.

14 Q PLEASE SUMMARIZE YOUR CONCLUSIONS AND RECOMMENDATIONS.

- 15 A My conclusions and recommendations are summarized as follows:
- OG&E has proposed a new set of depreciation rates which would result in a \$103.5 million increase to its depreciation expense based on pro forma plant balances as of September 30, 2023.¹ This increase is based on overstated depreciation rates. These rates produce an excessive amount of depreciation expense, thus, overstating the test year revenue requirement.
- OG&E's proposal to assume a 25-year life for its wind farms does not reflect recent industry trends. Now, 30 years is the most common expectation for the life of a wind farm and should be the basis for the depreciation rates for OG&E's wind assets.
- The ASLs that OG&E, through its witness Mr. Dane A. Watson, is recommending
 for several Transmission and Distribution Accounts should be lengthened.

- Statistical fitting methods indicate that survivor curves with longer ASLs fit OG&E's
 historic retirement data better than what is being proposed by Mr. Watson.
- 4. I present FEA's recommended depreciation rates in Exhibit BCA-12. These rates include all adjustments I propose regarding the wind farm lifespan and the Transmission and Distribution Plant Account survivor curves. These depreciation rates should be approved by the Commission.
- 5. My recommended adjustments to OG&E's depreciation rates reduces OG&E's total company test year depreciation expense by \$30.3 million. I provide a comparison of my proposed test year depreciation expense with OG&E's in Exhibit BCA-14.
- 10 6. The Oklahoma jurisdictional share of my proposed \$30.3 million reduction is
 \$28.0 million.
- 12

II. BOOK DEPRECIATION CONCEPTS

13 Q PLEASE EXPLAIN THE PURPOSE OF BOOK DEPRECIATION ACCOUNTING.

A Book depreciation is the recognition in a utility's income statement of the consumption
 or use of assets to provide utility service. Book depreciation is recorded as an expense
 and is included in the ratemaking formula to calculate the utility's overall revenue
 requirement.

18 The basic underlying principle of utility depreciation accounting is 19 intergenerational equity, where the customers/ratepayers who benefit from the 20 generated service of assets pay all the costs for those assets during the benefit period, 21 which is over the life of those assets.² This concept of intergenerational equity can be 22 achieved through depreciation by allocating costs to customers in a systematic and 23 rational manner that is consistent with the period of time in which customers receive 24 the service value.³

²Edison Electric Institute, Introduction to Depreciation for Public Utilities and Other Industries, April 2013, page viii. ³*Id.* at 22.

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Book depreciation provides for the recovery of the original cost of the utility's assets that are currently providing service. Book depreciation expense is not intended to provide for replacement of the current assets, but provides for capital recovery or return of current investment. Generally, this capital recovery occurs over the ASL of the investment or assets. As a result, it is critical that appropriate ASLs be used to develop the depreciation rates so no generation of ratepayers is disadvantaged.

In addition to capital recovery, depreciation rates also contain a provision for
net salvage. Net salvage is simply the scrap or reuse value less the removal cost of
the asset being depreciated. Accordingly, a utility will also recover the net salvage
costs over the useful life of the asset.

11 Q ARE THERE ANY DEFINITIONS OF DEPRECIATION ACCOUNTING THAT ARE

12 UTILIZED FOR RATEMAKING PURPOSES?

- 13 A Yes. One of the most quoted definitions of depreciation accounting is the one
- 14 contained in the Code of Federal Regulations:
- 15 Depreciation, as applied to depreciable electric plant, means the loss in service value not restored by current maintenance, incurred in 16 connection with the consumption of prospective retirement of electric 17 plant in the course of service from causes which are known to be in 18 current operation and against which the utility is not protected by 19 20 insurance. Among the causes to be given consideration are wear and 21 tear, decay, action of the elements, inadequacy, obsolescence, changes 22 in the art, changes in demand and requirements of public authorities.⁴
- 23 Effectively, depreciation accounting provides for the recovery of the original cost
- of an asset, adjusted for net salvage, over its useful life.

⁴Electronic Code of Federal Regulations, Title 18, Chapter 1, Subchapter C, Part 101.

1 Q HOW ARE DEPRECIATION RATES DETERMINED?

A Depreciation rates are determined using a depreciation system. There are three components, each with a number of variations, used to determine a depreciation system, which is then used to estimate depreciation rates. The three basic components are methods, procedures, and techniques. The choice of a depreciation system can significantly affect the resulting depreciation rates.

7 Q PLEASE FURTHER DESCRIBE THE METHODS THAT ARE USED WITHIN A

8 **DEPRECIATION SYSTEM.**

9 А There generally are three types of methods of spreading the depreciation expense over 10 the life of property. These are the Straight Line Method, Accelerated Methods, and 11 Deferred Methods. The Straight Line Method is the method most widely used by utility 12 companies for accounting and ratemaking purposes as it is easy to apply and does not 13 create intergenerational inequities, because it spreads an equal portion of the plant 14 cost across each accounting period. Accelerated Methods result in higher depreciation rates earlier in an asset's life, and lower depreciation rates later. Deferred Methods 15 16 have increasing rates over an asset's life.

17

18

Q

PLEASE FURTHER DESCRIBE THE GROUPING PROCEDURES THAT ARE USED WITHIN A DEPRECIATION SYSTEM.

A There are three main grouping procedures used within a depreciation system. These
four procedures are the Broad Group (more commonly known as the Average Life
Group ("ALG")), the Vintage Group, and the Equal Life Group ("ELG").

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In the ALG Procedure, all units within a particular account or category are
 assumed to be part of a single group that exhibits the same life and retirement
 characteristics. This is the most common utilized procedure.

4 The Vintage Group and the ELG Procedure assume that sub-groups within a 5 particular account or category may exhibit unique life characteristics. As an example 6 of the Vintage Group Procedure, it may assume that all poles installed in 1985 have a 7 50-year life, while all poles installed in year 1995 have a 45-year life. With the ELG 8 Procedure, it may assume that all poles that are expected to have a life of 50 years 9 should have one depreciation rate, while poles that are expected to only attain life 10 spans of 40 years would have a different depreciation rate. The overall group 11 depreciation rate would be a composite of the ELG depreciation rates.

12 Q PLEASE FURTHER DESCRIBE THE TECHNIQUES THAT ARE USED WITHIN A 13 DEPRECIATION SYSTEM.

14 A There are two techniques used to calculate depreciation rates: Whole Life and 15 Remaining Life. The Whole Life Technique spreads the original cost less net salvage 16 of the account over the average life of the account. This technique requires that 17 separate amortizations be made to correct for over- and under-accumulations due to 18 changes in an account's ASL.

19 The Remaining Life Technique spreads the unrecovered cost less net salvage 20 over the remaining life of the account. The Remaining Life Technique is the most 21 common technique used and it has a self-correcting nature that spreads any over- or 22 under-accumulations over the remaining life.

1 Q IN YOUR EXPERIENCE, WHAT DEPRECIATION SYSTEM IS MOST COMMONLY

2 UTILIZED TO DETERMINE UTILITY DEPRECIATION RATES FOR RATEMAKING

3 PURPOSES?

- 4 A The most common depreciation system is one that consists of the Straight Line Method,
- 5 the ALG Procedure, and the Remaining Life Technique.

6 Q PLEASE DESCRIBE THE ACTUARIAL LIFE ANALYSIS THAT IS PERFORMED TO

7 EVALUATE HISTORICAL ASSET RETIREMENT DATA.

- 8 A I will first provide the description of actuarial life analysis (retirement rate method) that
- 9 is contained in the National Association of Regulatory Utility Commissioners'
- 10 ("NARUC") Public Utility Depreciation Practices Manual ("NARUC Manual"):
- 11Actuarial analysis is the process of using statistics and probability to12describe the retirement history of property. The process may be used13as a basis for estimating the probable future life characteristics of a14group of property.
- 15Actuarial analysis requires information in greater detail than do other life16analysis models (e.g., turnover, simulation) and, as a result, may be17impractical to implement for certain accounts (see Chapter VII).18However, for accounts for which application of actuarial analysis is19practical; it is a powerful analytical tool and, therefore, is generally20considered the preferred approach.
- Actuarial analysis objectively measures how the company has retired its investment. The analyst must then judge whether this historical view depicts the future life of the property in service. The analyst takes into consideration various factors, such as changes in technology, services provided, or, capital budgets.
- 26 (NARUC Manual, 1996, Page 111, Emphasis Added).
- 27 As explained by the NARUC Manual, when the required data exists, a database
- that contains the year of installation and the year of retirements for each vintage of
- 29 property, actuarial life analysis is the preferred method of determining the life, and thus,
- 30 retirement characteristics of a group of property. In this type of analysis, there are three
- 31 major steps. The first step is to gather and use available aged data from the Company's

- continuing plant records to create an observed life table. The observed life table
 provides the percent surviving for each age interval of property.
- The second step is to conduct a fitting analysis to match the actual survivor data from the observed life table to a standard set of mortality or survivor curves. Typically, the observed life table data is matched to Iowa Curves. The fitting process is a mathematical fitting process, which minimizes the Sum of Squared Differences ("SSD") between the actual data and the Iowa Curves.
- 8 The third step is to select the best fitting curve while using informed judgment 9 to determine the curve that best represents the property being studied. This includes 10 the use of a visual matching process. Although the mathematical fitting process 11 provides a curve that is theoretically possible, the visual matching process will allow 12 the trained depreciation professional to use informed judgment in the determination of 13 the best fitting survivor curve.

14 Q PLEASE PROVIDE FURTHER EXPLANATION OF THE SSD STATISTICAL

15 **MEASUREMENT.**

- 16 A In the Actuarial Life Analysis section of the NARUC Manual, it describes SSD as
- 17 follows:
- 18 Generally, the goodness of fit criterion is the least sum of squared 19 deviations. The difference between the observed and projected data is 20 calculated for each data point in the observed data. This difference is 21 squared, and the resulting amounts are summed to provide a single 22 statistic that represents the quality of the fit between the observed and 23 projected curves.
- The difference between the observed and projected data points is squared for two reasons: (1) the importance of large differences is increased, and (2) the result is a positive number, hence the squared differences can be summed to generate a measure of the total absolute difference between the two curves. The curves with the least sum of squared deviations are considered the best fits.
- 30 (NARUC Manual, 1996, Pages 124-125).

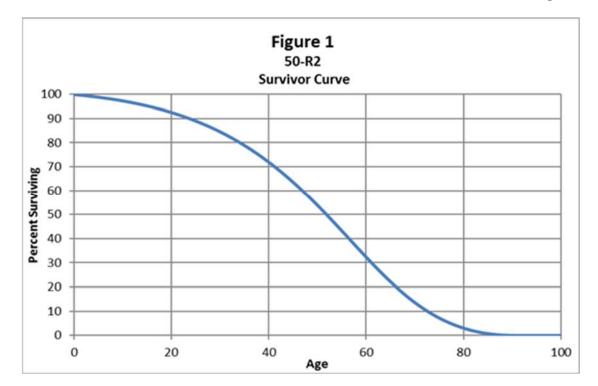
1 Q PLEASE EXPLAIN SURVIVOR CURVES AND THE NOTATION USED TO 2 REFERENCE THEM.

3 А The selection of the survivor curve is one of the most important aspects in conducting 4 a depreciation study. A survivor curve is a visual representation of the amount of 5 property existing at each age interval throughout the life of a group of property. From 6 the survivor curve, parameters required to calculate depreciation rates can be 7 determined, such as the ASL of the group of property and the composite remaining life. 8 For assets with an assumed lifespan or retirement date, the survivor curve is used to 9 estimate the interim retirements that will occur between the study date and the 10 estimated year of final retirement. These parameters directly affect the depreciation 11 rate calculations, therefore, informed judgment should be used in their selection.

12 In this proceeding, as well as the majority of utility regulatory rate case 13 proceedings throughout the U.S. and Canada, the Iowa Curves are the general survivor 14 curves utilized to describe the mortality characteristics of a group of property. There 15 are four types of Iowa Curves: right-moded, left-moded, symmetrical-moded, and 16 origin-moded. Each type describes where the greatest frequency of retirements occur 17 relative to the ASL.

A survivor curve consists of an ASL and Iowa Curve type combination. For example, when describing property with a 50-year ASL that has mortality characteristics of the R2 Iowa Curve, the survivor curve would simply be notated as "50-R2." I present the 50-R2 survivor curve in Figure 1.

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III. OG&E DEPRECIATION STUDY RESULTS

2 Q HAS OG&E FILED A NEW DEPRECIATION STUDY IN THIS CASE?

1

A Yes. OG&E filed a depreciation study as Direct Exhibit DAW-2. OG&E's witness,
 Mr. Dane A. Watson of Alliance Consulting Group, supports this study which was
 conducted on plant balances as of December 31, 2022. The resulting depreciation
 rates presented in Direct Exhibit DAW-2 provide the basis for OG&E's depreciation
 expense component of its revenue requirement.

1 Q WHAT DEPRECIATION SYSTEM DID OG&E UTILIZE IN THE CALCULATION OF

2 DEPRECIATION RATES PRESENTED IN EXHIBIT DAW-2?

A OG&E used a depreciation system consisting of the Straight Line Method, the ALG
Procedure, and the Remaining Life Technique⁵ to calculate its proposed depreciation
rates.

6 Q HOW DOES OG&E'S PROPOSED DEPRECIATION RATES IMPACT THE TEST

7 YEAR DEPRECIATION EXPENSE?

A OG&E's proposed depreciation rates significantly increase its depreciation expense
over that calculated using the currently approved depreciation rates. In Table 1 below,
I provide the increase by group. This increase totals \$103.5 million, a significant
component of OG&E's proposed revenue requirement increase.

	In	npact of (-		•	ation Rates a ember 2023	and Expense		
		Dep	recia	tion Expe	nse	(\$ Millio	ns)			
		Difference				ence	Depreciation Rates			
Depreciable Group		Present Proposed		oposed	Amount Pe		Percent	Present	Proposed	Difference
Intangible	\$	31.15	\$	59.20	\$	28.05	90.03%	8.63%	14.69%	6.06%
Production	\$	167.74	\$	192.16	\$	24.42	14.56%	3.06%	3.39%	0.33%
Transmission	\$	65.16	\$	65.46	\$	0.30	0.46%	2.07%	2.03%	-0.04%
Distribution	\$	152.29	\$	196.68	\$	44.39	29.15%	2.65%	3.15%	0.50%
General	\$	30.86	\$	41.30	\$	10.45	33.86%	6.22%	6.71%	0.49%
Transportation Activity	\$	-	\$	(4.08)	\$	(4.08)	N/A	0.00%	-55.28%	-55.28%
Total	\$	447.20	\$	550.73	\$	103.53	23.15%	2.94%	3.41%	0.47%

12

OG&E's proposed \$103.5 million increase is a 23% increase over depreciation

13

expense based on the currently approved depreciation rates.

⁵See the Direct Testimony of Dane A. Watson, page 7, line 26.

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1 Q HOW DOES OG&E EXPLAIN THE NEED FOR SUCH AN INCREASE?

2 А Mr. Watson states that the most significant factors related to the proposed increase in 3 the production area are the terminal retirement dates, additional investment in generating units, reserve reallocation, updated net salvage estimates, and the 4 correction of the historically under-accrued reserve position.⁶ For T&D accounts, 5 6 Mr. Watson states that the Company continues to experience an increase in removal 7 cost, and a decrease in gross salvage, so the current depreciation rates no longer 8 accurately represent the cost incurred to retire some of OG&E's assets.⁷ For several 9 T&D accounts, Mr. Watson proposes shorter ASLs and more negative net salvage 10 rates than those currently approved.

11QPLEASESUMMARIZETHEPROPOSEDCHANGESTHATYOUARE12RECOMMENDING TO OG&E'S DEPRECIATION RATES.

A For the wind farms, I present evidence that a 30-year lifespan is a more reasonable
estimate of the life of a wind farm. OG&E has assumed that the OU Spirit, Centennial,
and Crossroads Wind Farms will only have a useful life of 25 years. These
assumptions are not supported by recent industry trends. A 30-year life would be more
reasonable for these facilities.

18 The Transmission and Distribution book depreciation rates should be reduced 19 for the majority of the accounts. The reduction to the depreciation rates for the T&D 20 accounts is necessary because these accounts exhibit ASLs greater than those being 21 proposed by OG&E. The depreciation rates proposed by OG&E would depreciate the 22 assets in these accounts too quickly, which is a burden on current customers.

⁶Exhibit DAW-2, page 2.

⁷See the Direct Testimony of Dane A. Watson, page 16, lines 4-6 and page 17, lines 18-20.

1

IV. FEA PROPOSED ADJUSTMENTS

2 Q PLEASE ELABORATE ON YOUR CONCERN WITH THE ASL ASSUMPTIONS FOR 3 THE WIND FARMS USED IN THE DEPRECIATION STUDY.

A OG&E has assumed that the OU Spirit, Centennial, and Crossroads Wind Farms will
only have a useful life of 25 years. These assumptions are not supported by recent
industry trends. These assumed life spans burden OG&E's customers with excessive
depreciation expense.

8 Q WHAT DO YOU BELIEVE TO BE A MORE REASONABLE ASSUMPTION FOR THE

9

LIVES OF OG&E'S WIND FARMS?

10 А A 30-year life would be more reasonable for these facilities. Recent industry trends 11 indicate that 30 years is a more likely life than 25 years. In Exhibit BCA-1, I provide a 12 survey conducted by Berkeley Lab that demonstrates that 25 years may have been 13 reasonable in the past, but now 30 years is the most common expectation of the useful 14 life of a wind farm. In this survey, Berkeley Lab sent surveys to the U.S. Wind project 15 developers, sponsors, financiers, and consultants in order to understand how 16 expectations of useful life have changed over time. The report concludes that most 17 wind project developers, sponsors, and long-term owners have increased project life 18 assumptions over time, from a typical life of approximately 20 years in the early 2000s, to 25 years by the mid-2010s, and then to 30 years more recently.⁸ Figure 2 presents 19 20 the results of the survey. Of the 20 respondents to the survey, 12 assume 30 years to 21 be the expected useful life of wind farms.

⁸See Exhibit BCA-1 at page 1.

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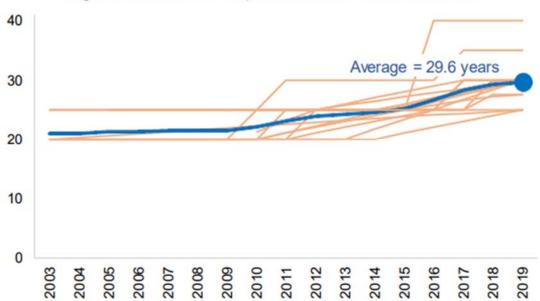


Figure 2. Useful-Life Expectations for Wind, over Time

1 Q ARE YOU AWARE OF OTHER INFORMATION THAT WOULD SUPPORT A 2 30-YEAR LIFE FOR WIND FARMS?

A Yes. In three recent Integrated Resource Plan ("IRP") cases that either I, or members
of my firm have been involved in, 30 years is the assumed book life for new wind assets.
These proceedings are the Minnesota Power 2021 IRP,⁹ the Consumers Energy
2021 IRP,¹⁰ and the Public Service Company of New Mexico 2020-2040 IRP.¹¹
Furthermore, even OG&E assumes a 30-year life in its IRPs.¹²

⁹Minnesota PUC Docket No. E015/RP-21-33.

¹⁰Michigan PSC Docket No. U-20190.

¹¹New Mexico PRC Case No. 21-00033-UT.

¹²See OG&E's Response to PUD 06-08.

1 Q IS A 30-YEAR LIFE A MORE REASONABLE EXPECTED USEFUL LIFE FOR THE

2 WIND FARMS THAN 25 YEARS?

A Yes. I recommend that the depreciation rates for the wind farms be calculated
 assuming a 30-year life. 30 years is the new industry average and will result in a more
 reasonable depreciation expense for OG&E's customers. Finally, the current
 depreciation rates for OG&E's wind farms assume either a 29- or 30-year life.¹³ Given
 that current trends and OG&E's approved depreciation rates would support a 30-year
 life, all of OG&E's wind farms should have an assumed lifespan of 30 years.

9 Q PLEASE PROVIDE ADDITIONAL DETAIL ON THE PROCESS USED FOR THE LIFE

ANALYSIS YOU CONDUCTED ON TRANSMISSION AND DISTRIBUTION PLANT ACCOUNTS.

12 Α The first step in my analysis was a thorough review of the OG&E depreciation study 13 and of Mr. Watson's workpapers. I conducted my own actuarial analysis based on the observed life tables created by Mr. Watson for his actuarial analysis. I utilized an 14 Excel-based model to determine the lowa Curve and ASL combination that best fits the 15 16 significant points of the observed life table created by Mr. Watson. I then used a 17 statistical and visual analysis to select lowa Curves and ASLs that resulted in a better 18 statistical fit (lower SSD) than the survivor curves being recommended by Mr. Watson. Again, the SSD is the sum of the squared differences between the lowa Curves and 19 20 the significant data points from the observed life tables, see Exhibits BCA-2 through 21 BCA-11.

In each of the exhibits, Exhibits BCA-2 through BCA-11, I provide a table and a
graph. The table contains the results of the fitting analysis. This table shows for each

¹³See OG&E's Response to PUD 06-07.

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1 lowa Curve type, the ASL that minimizes the SSD. In addition, the table contains the 2 SSD of the OG&E and FEA proposals, as well as the currently approved curve. For 3 each account to which an adjustment is proposed, the FEA proposal has a lower SSD, 4 which indicates a better statistical fit than both OG&E's proposal and the currently 5 approved curve. The graph that shows the actual OG&E retirement data (blue 6 triangles), the OG&E proposed curve (green long-dashed line), the FEA proposed 7 curve (purple dotted line), the best fit curve (orange short-dash-dotted line), and the 8 currently approved curve (red short-dashed line). The best fit curve shown on the graph 9 is the curve determined by the statistical fitting analysis to have the lowest SSD.

10QDO THE SURVIVOR CURVES THAT YOU ARE RECOMMENDING PRODUCE A11BETTER FIT TO OG&E'S DATA THAN THOSE BEING RECOMMENDED BY12MR. WATSON?

13 А Yes. For each of the 10 accounts where I am proposing a survivor curve that differs 14 from Mr. Watson's recommendation, the SSD is lower. That is, all of my recommendations result in survivor curves that mathematically and statistically fit 15 16 OG&E's data better than those recommended by Mr. Watson. The SSDs of my 17 recommendations compared to the recommendations of Mr. Watson are shown in 18 Table 2. For each account, the SSD of the FEA proposal is lower than the OG&E 19 proposal.

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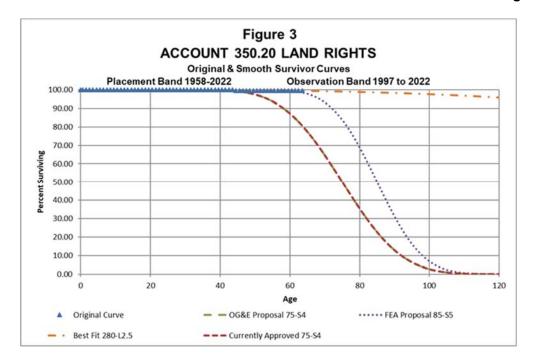
Goodness of Fit Statistics								
OG&E FEA Delta % C								
Account	Curve	SSD	Curve	SSD	Life	SSD	SSD	
350.2	75-S4	1,529	85-S5	3	10	(1,526)	-99.8%	
352	70-S3	5,930	75-S3	2,786	5	(3,144)	-53.0%	
353	57-R1.5	95	58-R1.5	80	1	(15)	-15.6%	
355	75-R1	219	77-R1	176	2	(42)	-19.4%	
360.2	75-S4	1,395	85-R5	33	10	(1,362)	-97.6%	
362	61-R2	414	64-R1.5	99	3	(315)	-76.1%	
364	55-R1	257	60-R1	29	5	(229)	-88.9%	
365	60-R0.5	2,637	64-R0.5	1,342	4	(1,295)	-49.1%	
367	55-R2.5	397	60-R2.5	281	5	(116)	-29.1%	
368	40-R0.5	2,506	48-O1	656	8	(1,851)	-73.8%	

1 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 350.2.

A The life analysis for this account is presented in Exhibit BCA-2. Account 350.2 is for
Land Rights. Per the Federal Energy Regulatory Commission's ("FERC") Uniform
System of Accounts, "This account shall include the cost of land and land rights used
in connection with transmission operations."

I recommend moving to the 85-S5 curve. This curve produces a much better
fit for the data, with an SSD of only 3. The currently approved curve and OG&E's
proposal of the 75-S4, which has an SSD of 1,529, diverges from the significant data
points near 50 years. The 85-S5 significantly decreases the SSD, resulting in a nearly
perfect fit, while maintaining a similar maximum life to OG&E's proposal. Figure 3 is a
scaled down version of the full size graph contained in Exhibit BCA-2. As can be seen,
the 85-S5 is a much better fit.

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1 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 352.

A The life analysis for this account is presented in Exhibit BCA-3. This account is for Transmission Structures and Improvements. Per the FERC Uniform System of Accounts, "This account shall include the cost in place of structures and improvements used in connection with transmission operations." This includes the cost of all buildings and facilities to house, support, or safeguard property or persons, including all fixtures permanently attached to and made a part of buildings, and improvements of a permanent character on or to land, in connection with transmission operations.

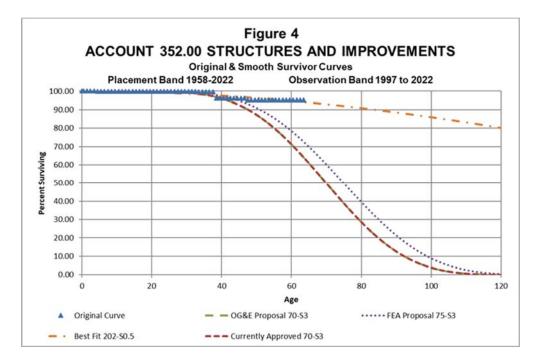
9 The currently approved curve of 70-S3 no longer produces an acceptable fit. 10 The best fitting curve is 202-S0.5, which would have an SSD of 51. OG&E's proposal 11 to retain the 70-S3 is not reflective of the retirement history or a good match of the data. 12 The 70-S3 has an SSD of 5,930. OG&E's data continues to support a much longer life 13 for this account. I recommend moving to the 75-S3, which is a better fit for the data 14 and would have an SSD of 2,786, roughly half of the SSD of OG&E's proposed curve.

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2

1 Figure 4 is a scaled down version of the full size graph contained in Exhibit BCA-3. As



can be seen, the 75-S3 is a better fit to the data, and a modest increase to the ASL.

3 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 353.

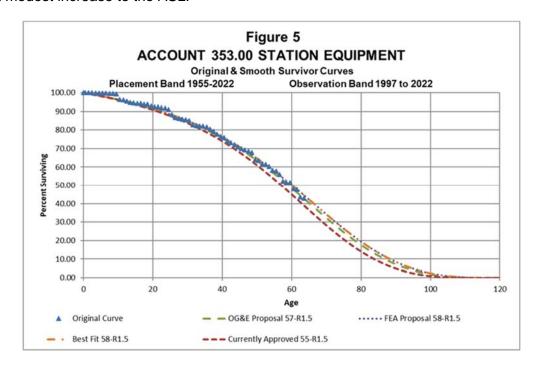
The life analysis for this account is presented in Exhibit BCA-4. This account is for 4 А 5 Transmission Station Equipment. Per the FERC Uniform System of Accounts, "This 6 account shall include the cost installed of transforming, conversion, and switching 7 equipment used for the purpose of changing the characteristics of electricity in 8 connection with its transmission or for controlling transmission circuits." This includes much of the equipment located within the fence at a transmission substation, including 9 10 busses, conduits, control equipment, transformers, switching equipment, insulators, 11 general station equipment, etc.

12 The currently approved curve of 55-R1.5 no longer produces an acceptable fit 13 to the data, deviating from in the early 30's age intervals. The best fit curve is 58-R1.5 14 with an SSD of 80. OG&E's proposal is for the 57-R1.5 with an SSD of 95. OG&E's

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proposal to move very close to the best fit curve is reasonable; however, I see no
justification to not use the best fit curve for this account. I recommend the 58-R1.5
survivor curve for this account. Figure 5 is a scaled down version of the full size graph
contained in Exhibit BCA-4. As can be seen, the 58-R1.5 is a better fit to the data, and
a modest increase to the ASL.



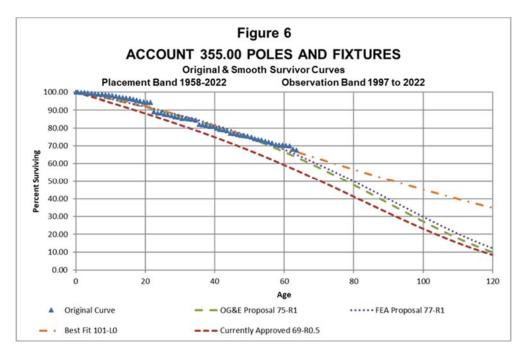
6 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 355.

7 A The life analysis for this account is presented in Exhibit BCA-5. This account is for
8 Transmission Poles and Fixtures. Per the FERC Uniform System of Accounts, "This
9 account shall include the cost installed of transmission line poles, wood, steel,
10 concrete, or other material, together with appurtenant fixtures used for supporting
11 overhead transmission conductors." This includes the poles, brackets, cross arms,
12 foundations, pole steps, anchors, etc. required to create a pole structure capable of
13 supporting overhead transmission lines.

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1 The currently approved curve is 69-R0.5, which is no longer a good fit to the 2 data as the SSD is 2,414. OG&E's proposal, the 75-R1, has a much smaller SSD of 3 219 than the currently approved curve. The best fitting curve is the 101-L0. I propose 4 increasing the life to 77-R1. The 77-R1 has an SSD of 176, producing a much better 5 fit to the data compared to the currently approved and OG&E's proposed curves. 6 Figure 6 is a scaled down version of the full size graph contained in Exhibit BCA-5. As 7 can be seen, the 77-R1 is a better fit to the data and a modest increase to the ASL.



8 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 360.2.

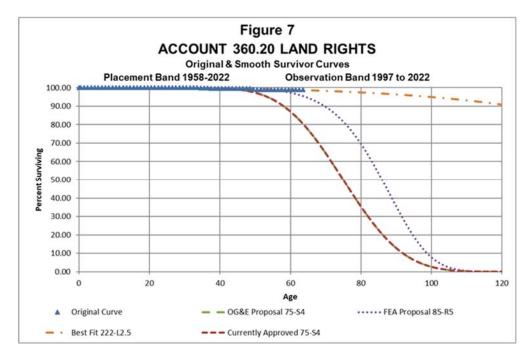
9 A The life analysis for this account is presented in Exhibit BCA-6. This account is for
10 Distribution Land Rights. Per the FERC Uniform System of Accounts, "This account
11 shall include the cost of land and land rights used in connection with distribution
12 operations."

13 I recommend moving to the 85-R5 curve. This curve produces a much better
14 fit for the data relative to the 75-S4, which is both the currently approved curve and

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- 1OG&E's proposal. The 85-R5 significantly decreases the SSD from 1,395 to 33, while2maintaining a similar maximum life to OG&E's proposal. Figure 7 below is a scaled3down version of the full size graph contained in Exhibit BCA-6. As can be seen, the
- 4 85-R5 is a better fit to the data.



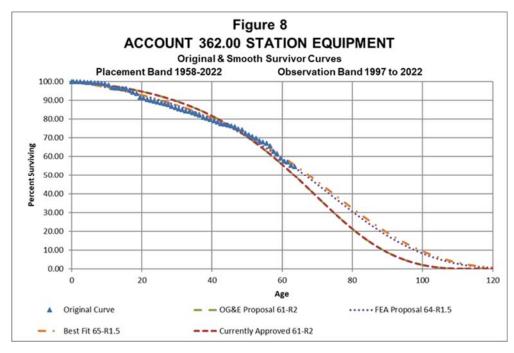
5 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 362.

6 А The life analysis for this account is presented in Exhibit BCA-7. This account is for 7 Distribution Station Equipment. Per the FERC Uniform System of Accounts, "This 8 account shall include the cost installed of station equipment, including transformer 9 banks, etc., which are used for the purpose of changing the characteristics of electricity 10 in connection with its distribution." This includes much of the equipment located within the fence at a distribution substation, including busses, conduits, control equipment, 11 transformers, switching equipment, insulators, general station equipment, platforms, 12 13 foundations, etc.

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1The currently approved curve is 61-R2, and the best fit curve is the 65-R1.5.2OG&E proposed no change from the 61-R2. I recommend moving to a flatter3dispersion and increasing the ASL to 64 years, which is very near the best fit curve.4The 64-R1.5 is more appropriate for this account, as indicated by the lower SSD of599 versus 414 for the 61-R2. Figure 8 is a scaled down version of the full size graph6contained in Exhibit BCA-7. As can be seen, the 64-R1.5 is a better fit to the data.



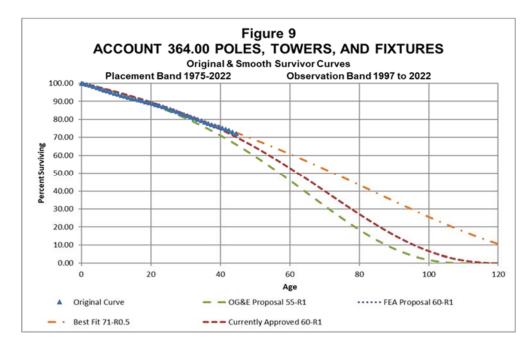
7 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 364.

A The life analysis for this account is presented in Exhibit BCA-8. This account is for Distribution Poles, Towers, and Fixtures. Per the FERC Uniform System of Accounts, "This account shall include the cost installed of poles, towers, and appurtenant fixtures used for supporting overhead distribution conductors and service wires." This includes the poles, towers, brackets, cross arms, foundations, pole steps, ladders, anchors, etc. required to create a pole or tower structure capable of supporting overhead distribution lines.

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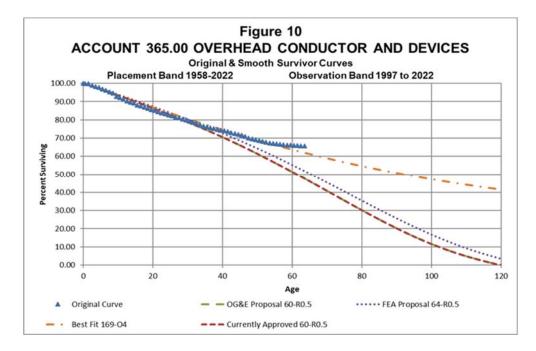
1 The currently approved curve is 60-R1. OG&E recommends a decrease 2 to 55-R1. The best fit is the 71-R0.5. The fitting analysis shows that the ASL that best 3 fits the R1 dispersion is 60 or 61 years. The data also supports a flatter dispersion. I 4 recommend maintaining the currently approved 60-R1, which better matches the data 5 than OG&E's proposed survivor curve. The 60-R1 curve has a SSD of 29 versus a 6 SSD of 257 for OG&E's proposed survivor curve 55-R1. Figure 9 is a scaled down 7 version of the full size graph contained in Exhibit BCA-8. As can be seen, the 60-R1 is 8 a better fit to the data.



9 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 365.

10 A The life analysis for this account is presented in Exhibit BCA-9. This account is for 11 Distribution Overhead Conductors and Devices. Per the FERC Uniform System of 12 Accounts, "This account shall include the cost installed of overhead conductors and 13 devices used for distribution purposes." The items contained within this account 14 include circuit breakers, conductors, ground wires, insulators, lightning arresters, railroad and highway crossing guards, switches, the initial cost of tree trimming
 including permits, and other line devices.

3 The currently approved curve is the 60-R0.5 with an SSD of 2,637. OG&E 4 proposes to keep the 60-R0.5. The fitting analysis shows that the R0.5 is the best 5 fitting dispersion of the R-type curves and that the 72-R0.5 is the best fit for the R0.5 6 dispersion. The R0.5 continues to be a good fit for this account. I recommend 7 increasing the ASL to 64 years to the 64-R0.5, which fits the data better than the 8 60-R0.5 and has an SSD of 1,342. Figure 10 is a scaled down version of the full size 9 graph contained in Exhibit BCA-9. As can be seen, the 64-R0.5 is a better fit to the 10 data.

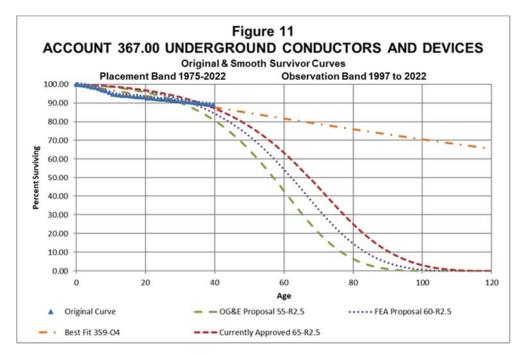


11 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 367.

12 A The life analysis for this account is presented in Exhibit BCA-10. This account is for 13 Distribution Underground Conductors and Devices. Per the FERC Uniform System of 14 Accounts, "This account shall include the cost installed of underground conductors and 15 devices used for distribution purposes." The items contained within this account include, circuit breakers, armored conductors, insulators, insulating materials, splicing,
 fireproofing, inspections, permits, cable racking, lightning arresters, switches, and other

3 line devices.

The currently approved curve is the 65-R2.5. OG&E proposes to decrease the ASL by ten years to the 55-R2.5, however, the SSD for the 65-R2.5 is 311 and the SSD for the 55-R2.5 is 397. The best fit curve is the 359-O4. I believe that decreasing the life by 10 years is not necessary, nor is it supported by the data. I recommend the 60-R2.5 with a SSD of 281 as the midpoint between the currently approved curve and OG&E's proposed curve. Figure 11 is a scaled down version of the full size graph contained in Exhibit BCA-10. As can be seen, the 60-R2.5 is a better fit to the data.

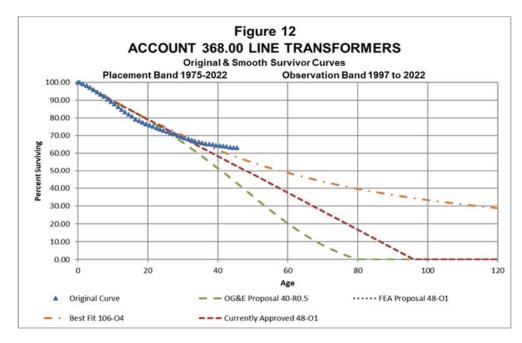


11 Q PLEASE DISCUSS YOUR SERVICE LIFE ADJUSTMENT FOR ACCOUNT 368.

A The life analysis for this account is presented in Exhibit BCA-11. This account is for
 Distribution Line Transformers. Per the FERC Uniform System of Accounts, "This
 account shall include the cost installed of overhead and underground distribution line

transformers and pole type and underground voltage regulators owned by the utility,
for use in transforming electricity to the voltage at which it is to be used by the customer,
whether actually in service or held in reserve." This includes labor of first installation,
transformer cut-out boxes, transformer lightning arresters, transformers, lines and
networks, capacitors, network protectors, etc.

6 The currently approved curve is the 48-O1, which has an SSD of 656. OG&E 7 proposes the 40-R0.5, which has an SSD of 2,506. The fitting analysis shows that the 8 O1 curve is a better fit to the data than the R0.5. It also indicates that a life longer than 9 40 years is the best fit for all curve types. I recommend maintaining the currently 10 approved life, which is well supported by the data. Figure 12 is a scaled down version 11 of the full size graph contained in Exhibit BCA-11. As can be seen, the 48-O1 is a 12 better fit to the data.



1

V. FEA PROPOSED DEPRECIATION RATES

Q HAVE YOU CALCULATED THE DEPRECIATION RATES CONSISTENT WITH
 YOUR RECOMMENDATIONS TO USE A 30-YEAR LIFE FOR THE WIND FARMS
 AND THE TEN SERVICE LIFE ADJUSTMENTS PROPOSED FOR VARIOUS
 TRANSMISSION AND DISTRIBUTION ACCOUNTS?

A Yes. FEA's proposed depreciation rates are provided in Exhibit BCA-12. I have also
included a comparison exhibit in Exhibit BCA-13, which provides a comparison of FEA's
and OG&E's depreciation rates and depreciation expense when using the same plant
balances that Mr. Watson used for OG&E's depreciation study. Table 3 below
summarized the depreciation rates by group.

TABLE 3								
Impact of FEA's Proposed Depreciation Rates								
Depreciable Group	OG&E	FEA	Difference					
later cible	44 400/	44 400/	0.000/					
Intangible	11.49%	11.49%	0.00%					
Steam Production	3.05%	3.05%	0.00%					
Other Production	3.93%	3.44%	-0.49%					
Transmission	2.03%	1.99%	-0.04%					
Distribution	3.17%	2.88%	-0.29%					
General	6.40%	6.40%	0.00%					
Total	3.32%	3.14%	-0.19%					
Source: Exhibit BCA-13								

11 Q WHAT IS THE IMPACT ON THE TEST YEAR DEPRECIATION EXPENSE DUE TO

12 FEA'S RECOMMENDED DEPRECIATION RATES?

- 13 A In Exhibit BCA-14, I provide the test year impact of FEA's proposed depreciation rates.
- 14 FEA's depreciation rates would reduce the total company test year depreciation

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expense by \$30.3 million. FEA's proposed depreciation rates will provide OG&E an
additional \$73.2 million more than the depreciation expense currently included in tariff
rates. I estimate that the Oklahoma jurisdictional share of this adjustment is
\$28.0 million. See Table 4 below for the summary by functional group.

TABLE 4									
Impact of FEA's Proposed Depreciation Rates on Test Year Expense (\$ Millions)									
(\$ MIIIOIIS)									
	OG&E FEA Difference								
Depreciable Group	Pro	oposed	Proposed		Am	ount	Percent		
Intangible	\$	59.20	\$	59.20	\$	-	0.00%		
Production	\$	192.16	\$	181.13	\$(11.03)	-5.74%		
Transmission	\$	65.46	\$	64.09	\$	(1.37)	-2.10%		
Distribution	\$	196.68	\$	178.77	\$ (17.91)	-9.11%		
General	\$	41.30	\$	41.30	\$	-	0.00%		
Transportation Activity	\$	(4.08)	\$	(4.08)	\$	-	0.00%		
Total	\$	550.73	\$	520.42	\$ (30.31)	-5.50%		
Source: Exhibit BCA-14									

5 Q DOES THIS CONCLUDE YOU RESPONSIVE TESTIMONY?

6 A Yes, it does

Qualifications of Brian C. Andrews

1 Q PLEASE STATE YOUR NAME AND BUSINESS ADDRESS.

- 2 A Brian C. Andrews. My business address is 16690 Swingley Ridge Road, Suite 140,
- 3 Chesterfield, MO 63017.

4 Q PLEASE STATE YOUR OCCUPATION.

- 5 A I am a consultant in the field of public utility regulation and a Principal with the firm of
- 6 Brubaker & Associates, Inc. ("BAI"), energy, economic and regulatory consultants.

7 Q PLEASE STATE YOUR EDUCATIONAL BACKGROUND AND PROFESSIONAL

8 **EMPLOYMENT EXPERIENCE.**

9 A I received a Bachelor of Science Degree in Electrical Engineering from the Washington
10 University in St. Louis/University of Missouri - St. Louis Joint Engineering Program. I
11 have also received a Master of Science Degree in Applied Economics from Georgia
12 Southern University.

I have attended training seminars on multiple topics including class cost of
 service, depreciation, power risk analysis, production cost modeling, cost-estimation
 for transmission projects, transmission line routing, MISO load serving entity
 fundamentals and more.

17 I am a member and a former President of the Society of Depreciation
18 Professionals. I have been awarded the designation of Certified Depreciation
19 Professional ("CDP") by the Society of Depreciation Professionals. I am also a certified
20 Engineer Intern in the State of Missouri.

BRUBAKER & ASSOCIATES, INC.

Responsive Testimony of Brian C. Andrews Case No. PUD2023-000087 Appendix A Page 2

1 As an Associate at BAI, and as a Senior Consultant, Consultant, Associate 2 Consultant and Assistant Engineer before that, I have been involved with several 3 regulated and competitive electric service issues. These have included book 4 depreciation, fuel and purchased power cost, transmission planning, transmission line 5 routing, resource planning including renewable portfolio standards compliance, electric 6 price forecasting, class cost of service, power procurement, and rate design. This has 7 involved use of power flow, production cost, cost of service, and various other analyses 8 and models to address these issues, utilizing, but not limited to, various programs such 9 as Strategist, RealTime, PSS/E, MatLab, R Studio, ArcGIS, Excel, and the United 10 States Department of Energy/Bonneville Power Administration's Corona and Field 11 Effects ("CAFÉ") Program. In addition, I have received extensive training on the 12 PLEXOS Integrated Energy Model and the EnCompass Power Planning Software. I have provided testimony on many of these issues before the Public Service 13 14 Commissions in Arizona, Arkansas, California, Colorado, Florida, Illinois, Indiana, 15 Kansas, Kentucky, Louisiana, Michigan, Minnesota, Missouri, Montana, New Mexico, 16 Oklahoma, South Carolina, Texas, and Washington DC.

BAI was formed in April 1995. BAI provides consulting services in the economic, technical, accounting, and financial aspects of public utility rates and in the acquisition of utility and energy services through RFPs and negotiations, in both regulated and unregulated markets. Our clients include large industrial and institutional customers, some utilities and, on occasion, state regulatory agencies. We also prepare special studies and reports, forecasts, surveys and siting studies, and present seminars on utility-related issues.

In general, we are engaged in energy and regulatory consulting, economic
 analysis and contract negotiation. In addition to our main office in St. Louis, the firm

- 1 also has branch offices in Corpus Christi, Texas; Louisville, Kentucky and Phoenix,
- 2 Arizona.

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September 2019

BERKELEY LAB

Benchmarking Anticipated Wind Project Lifetimes: Results from a Survey of U.S. Wind Industry Professionals

Ryan Wiser and Mark Bolinger, Lawrence Berkeley National Laboratory

This paper draws on a survey of wind industry professionals to clarify trends in the expected useful life of landbased wind power plants in the United States. The expected useful life of a project affects expectations about its profitability, the timing of possible decommissioning or repowering, and its levelized costs.

We find that most wind project developers, sponsors and long-term owners have increased project-life assumptions over time, from a typical term of ~20 years in the early 2000s to ~25 years by the mid-2010s and ~30 years more recently. Current assumptions range from 25 to 40 years, with an average of 29.6 years.

The estimated average levelized cost of energy (LCOE) for new wind projects built in 2018 is \$40.4/MWh (real 2018\$), assuming a 20-year project life. With a 25-year useful life and no change in assumed operations and maintenance (O&M) expenditures or wind plant performance over time, LCOE declines by 10%, to \$36.2/MWh, because capital costs are recovered over five additional years of production. At the now-common 30-year assumed life, levelized costs decrease another 7%, to \$33.5/MWh (under the same unaltered assumptions about O&M and performance). Even longer assumed lifetimes lead to further (but diminishing) LCOE reductions—e.g., to \$31.7/MWh and \$30.3/MWh for 35- and 40-year lives, respectively.

The data and trends presented here may inform assumptions used by electric system planners, modelers and analysts. The results may also provide useful benchmarks to the wind industry, helping developers and assets owners to compare their expectations with those of their peers.

Methods

The findings in this paper largely draw from a brief survey of U.S. wind project developers, sponsors, financiers, and consultants. We distributed the survey to staff at 23 different organizations in August 2019. Responses were received from 21 staff at 18 of these organizations, for an overall (organizational) response rate of 78%. Additionally, we conducted a review of the annual financial reports from some of the large, publicly traded wind project developers and owners, yielding three additional sets of project-life assumptions.¹ Ultimately, we assembled 20 different time-series estimates of useful project life.²

Our interest was in better understanding how expectations for useful life have changed over time, as the industry has grown and matured. We focus on 'useful' life, defined here to mean the period of time in which the expected costs and revenues of a project are assessed to determine its economic viability. Typically, an asset with a useful life of, for example, 30 years is expected to earn ongoing operating profits during those 30 years (ongoing revenue > ongoing costs). At the end of year 30, however, either decommissioning or full

¹ In some cases, project-life assumptions that derive from financial reports reflect depreciation- or accounting-based lives, which may in theory differ from useful-life assumptions used by developers and sponsors. However, a review of our results indicates no such bias in the estimates reported later in this paper, as the distribution of responses is similar in both sources of data.

² These estimates, and other survey responses that we report later, come from staff and annual reports from: NextEra, RES, EDPR, Apex, Enel, Avangrid, EDF, Pattern, Scout, Leeward, MAP, Vestas, AEP, Berkshire Hathaway, JP Morgan, Wells Fargo, Clear Wind, Wood Mackenzie, and DNV GL.



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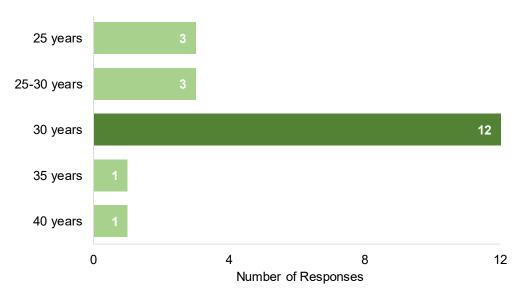
project repowering would be expected. A longer assumed project life may enhance the expected long-term profitability of a project, assuming any resulting increase in O&M is kept within reasonable bounds. Moreover, longer depreciation terms reduce annual book depreciation from an accounting perspective, thereby boosting net income in the near term. From a planning and modeling perspective, meanwhile, longer lifetimes may enable lower LCOE by recovering up-front capital costs (and, potentially, any component replacement or refurbishment costs) over additional years of electricity production.

We focused on expectations from project developers, sponsors, and long-term owners because these are the entities most likely to be thinking about the full lifecycle of a project. However, we recognize that each participant in a wind project may have different perspective on what 'project life' means, or how it matters. A lender, for example, will primarily care about the revenue and costs of a project over the term of the loan: often 15 years or less. Tax equity providers may focus on the first 10-12 years, during which their returns are earned. Engineers might think of the certified life of the turbines (20 years historically, but now 25, 30 or even 40 years in some cases), or the engineering design life of the project. Providers of operations and maintenance services might consider the lifetime of any 0&M contracts.

We specifically sought insights into assumptions that project developers, sponsors and long-term owners most-commonly use for project life, when considering the lifetime profitability of a project, pitching projects to financiers, and establishing power purchase agreements (PPAs) during the development and financing process. We also included major consultancies in our sample, including those that provide due diligence services to the wind industry. We asked about current assumptions, and how those assumptions have changed over time. Some respondents offered additional insights, which we share as appropriate.

Estimated Project Lifetimes

Project developers, sponsors, and long-term owners now most-commonly assume 30-year useful project lives, as depicted in Figure 1.







Specifically, twelve sources cited 30 years, three cited 25-30 years (averaged to 27.5 years in Figure 2), three cited 25 years, one cited 35 years, and another cited 40 years.³ None of the respondents uses a 20-year project life assumption; several respondents also noted that they are not aware of others in the wind industry still using a 20-year assumption.

Expectations for the useful life of wind projects vary by respondent, but have consistently increased over time—from a typical value of ~20 years in the early 2000s and prior, to ~25 years by the mid-2010s, and then to ~30 years most recently (Figure 2, Table 1). The average among respondents for 2019 is 29.6 years.

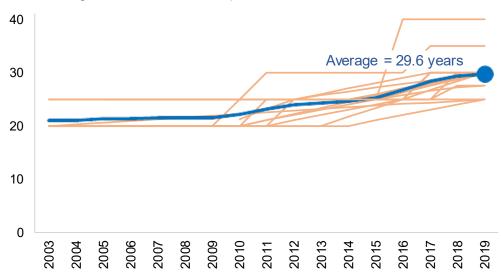


Figure 2. Useful-Life Expectations for Wind, over Time

Table 1. Summary of Respondent Estimates of Useful-Life Expectations for Wind Projects

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Source 1	25	25	25	25	25	25	25	25	30	30	30	30	30	30	35	35	35
Source 2										25	26	27	28	29	30	30	30
Source 3	25	25	25	25	25	25	25	25	25	25	25	25	26	27	28	29	30
Source 4	20	20	20	20	20	20	20	20	25	25	25	25	25	25	30	30	30
Source 5								21	23	25	26	26	27	28	29	29	30
Source 6	20	20	20	20	20	20	20	20	20	25	25	25	25	25	25	30	30
Source 7													25	40	40	40	40
Source 8	20	20	20	20	20	20	20	25	25	25	25	25	25	25	30	30	30
Source 9	20	20	20	20	20	20	20	20	21	22	23	24	26	27	28	29	30
Source 10																	30
Source 11									25	25	25	25	25	25	30	30	30
Source 12	20	20	20	20	20	20	20	20	20	20	20	20	21	22	23	24	25
Source 13								25	25	25	25	25	25	26	28	29	30
Source 14	20	20	20	20	20	20	20	20	20	20	20	22	23	25	27	28	30
Source 15			25	25	25	25	25	25	25	25	25	25	25	25	25	27.5	27.5
Source 16																	30
Source 17	20	20	20	20	20	20	20	20	21	22	23	24	25	26	27	27	27.5
Source 18																	27.5
Source 19									20	21	22	23	24	25	25	25	25
Source 20	20	20	21	21	21	22	22	22	23	23	23	23	24	24	24	25	25
AVERAGE	21.0	21.0	21.4	21.4	21.5	21.5	21.5	22.2	23.2	23.9	24.3	24.7	25.2	26.7	28.4	29.3	29.6
# Responses	10	10	11	11	11	11	11	13	15	16	16	16	17	17	17	17	20

³ The firm applying a 40-year assumption notes, however, that this assumption is capped at the term of each project's lease, resulting in a fleet-wide average useful life of 31 years. Moreover, the firm is not altogether clear as to whether the 40-year life applies to entire wind projects, or instead to just certain components of those projects and turbines.

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Drivers and Influences

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In addition to these numerical estimates, many respondents offered insight into how they or the industry treat project life. Though we do not seek to synthesize generalizable findings from these insights, they do enhance understanding of industry thinking, and so are summarized below where relevant:

- Some respondents noted that turbine design certifications are often 20 years, though some manufacturers are moving towards or already provide 25-, 30-, or even 40-year certifications depending on the turbine and wind regime. Moreover, 0&M servicing agreements sometimes (albeit rarely) extend to 25- or even 30-years. Such service agreements may not cover component replacement, and so project owners may still face 0&M risk. Nonetheless, in general, these points suggest that the major manufacturers are increasingly comfortable with 30-year lifespans.
- One respondent pointed out, however, that project owners need not equate turbine certification lives with the useful, economic, or depreciable life of a wind power asset. Owners will conduct project-specific engineering and economic analysis to inform useful-life assumptions, considering local wind conditions, expected project revenue, and O&M and refurbishment expectations. As such, regardless of the details on turbine certification and servicing contracts, 30-year lifetimes are now the most common, though a number of developers and sponsors continue to use 25 years or a range of 25-30 years.
- Multiple developers revealed that key factors in increased project lives include technology maturity
 and robustness, as well as improved understanding of performance, wear-and-tear, and O&M practices.
 Projects from the 1980s and 1990s continue to operate today in some cases, turbines in the 1+ MW
 class have growing operating history, and engineering and operational skill and turbine sophistication
 has dramatically increased. As older projects have reached their design lifetimes, the industry has
 found ways to extend those lifetimes. Turbine control regimes that clip production to manage fatigue
 loads and ensure that turbines stay within their design envelope have become increasingly common.
 One major independent engineering firm agrees that, if taken care of, a facility should last 25-30 years
 or longer with proper maintenance protocols and, for some components such as gearboxes, plant
 refurbishment. The recent emergence of 'partial' repowering whereby certain turbine component are
 replaced and/or upgraded has bolstered confidence in longer useful lives (at least for those turbines
 that are being refurbished), as have enhanced 0&M options and lower overall 0&M costs.
- The O&M implications of extended useful lives are uncertain. Some turbine components can easily last 30+ years whereas others, such as gearboxes, would likely require refurbishment or replacement. While acknowledging uncertainty in future O&M costs, a limited number of respondents indicated that they do not anticipate a fundamental step-change in O&M expenditures to achieve 25-year lives. Others indicated that heightened O&M costs and component refurbishment and replacement go hand-in-hand with extended project life, as might increased performance degradation, especially to achieve 30-year life spans—also noting that these effects are factored-in when assessing overall plant profitability and determining useful life. Ultimately, the actual useful life of wind assets will depend critically on how components wear over time, which will affect O&M expenditures.
- Another factor in extended project lives is the desire, and perhaps even need, to capture project value/economics beyond the initial 10-20 year life that is usually covered by the first power purchase agreement (PPA). The extent of this post-PPA (and post-PTC) 'merchant' value is often an item of wide disagreement within the industry, and depends on the trajectory of both power prices and 0&M costs. Two respondents noted that today's low wholesale power prices were generally not anticipated a decade ago, challenging post-PPA project economics for older projects. Nonetheless, especially as PPA



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terms have tended to shorten over time and competition for those PPAs has strengthened—resulting in lower PPA-derived revenue—an increasing number of projects need to demonstrate some post-PPA value in order for the project to pencil out from an overall return-on-investment perspective. These trends have pushed the industry to more fully investigate longer useful lives. Ultimately, though, whether this post-PPA value materializes will depend on O&M requirements as projects age and, critically, on future wholesale power price developments. These two factors, post-PPA revenue and O&M costs, are generally viewed as the two most uncertain aspects of project life estimates.

- Developers indicated that different owners treat and model project life somewhat differently. For example, one respondent indicated that its firm has historically modeled 25-year project lives as 20 years of revenue plus a terminal value (which is equated to 5 years of net revenue); a separate respondent indicated that this approach was very common earlier in the 2000s. Another respondent mentioned that its company typically assumes 25 years, but with the final 5 years subject to production degradation. An independent engineer revealed that, over the last several years, it has noticed that longer lifetimes have been supported by increasingly sophisticated engineering and economic analysis, whereas previously that analytical support was often somewhat lacking.
- Regional variation in project life assumptions may also exist. Wind plants located in areas with liquid wholesale markets (ERCOT, SPP, MISO, etc.) that enable projects to readily go merchant once the initial PPA expires are more likely to use an assumed life of 30 years. Projects located in illiquid markets (WECC, SERC, FRCC) and selling to an electric utility may more-regularly assume a project life equivalent to the term of the PPA—typically less than 30 years.
- One sponsor remarked that it reviews the estimated useful lives of its assets on an ongoing basis and that, in 2016, this review indicated that many of its wind projects were expected to last longer than previously estimated for depreciation purposes. As a result, the useful lives of certain wind assets⁴ were increased from 25 years to 40 years, capped at the land lease term if lower, to better reflect the periods during which these assets are expected to remain in service. The weighted-average useful life of its wind projects was consequently 31 years, and the company is assessing lease extensions to potentially further increase the average useful life of its collective wind assets.
- Another developer and owner reported that it opted to conduct a rigorous independent assessment of its fleet in the early 2010s, taking into account local wind conditions and assessing lifetime both from a structural and economical perspective. From a structural point of view, it analyzed structural components that could not be reasonably replaced, conducting extreme load and fatigue analyses on 37 wind projects, representative of the conditions of all 161 wind projects in its fleet at the time. This owner concluded that, for all wind projects analyzed, failure rates for these components would be lower than 0.5% during a period of 25 years. In parallel, this owner conducted an economic analysis to ensure that operating each of the projects was profitable during these 25 years. Estimated costs were compared with expected revenues, and in all cases, expected revenues remained above expected operational costs during the 25-year lifetime of the assets. Finally, a thorough analysis was conducted to make sure no project had any contractual, land lease, environmental or legal restriction that would prohibit extending operations to 25 years.
- Another large asset owner noted that, in 2017, a review indicated that the actual lives of its wind plants were expected to be longer than the lifetime previously estimated for depreciation purposes. As a

⁴ As indicted earlier, this firm is not altogether clear as to whether the 40-year life applies to entire wind projects, or instead to just certain components of those projects and turbines.



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result, this wind plant owner changed the estimated useful lives of wind plant equipment from 30 years to 35 years, better reflecting the period during which these assets are expected to remain in service. The resultant accounting reduction in annual book depreciation had the effect of boosting near-term annual net income estimates.

- Yet another developer indicated that it recently increased its useful life assumption from 25 years to a project-specific range of 25 to 30 years. Whether a project is assumed to have a 25-year or a 30-year useful life depends on detailed analysis that considers turbine model, foundation design, wind regime, O&M expectations, merchant-tail revenue expectations, land lease terms, and other considerations. In effect, an 'optimal' useful life is determined, through detailed analysis, for each project.
- An independent engineer cited foundation design as often the governing factor, but further noted that foundations are now commonly designed with a 30-year design life in mind. This respondent indicated that 30-year useful lives are now always employed in project-sale transactions, with shorter terms sometimes the focus in tax equity transactions and debt deals. A 25-year life used to be a stretch in the assumptions, and was not typically considered in most financings (the exception being sale-leaseback tax equity deals, but those were never prevalent). That has now changed, especially over the last few years as 30-year lifetime assumptions have become common.
- A prospective owner revealed that it recently issued an RFP for a large volume of wind that specified that it was looking to buy (at completion) 30-year design life projects with 30-year design life turbines. The solicitation further required wind developers to provide a mechanical load analysis (or equivalent) from the wind turbine manufacturer to support the design life assumption. The owner reached out to the major turbine manufacturers prior to issuing the RFP, confirming that each of those manufacturers could meet the requirement depending on the wind regime, albeit with high O&M costs to be expected in the later years.
- One respondent cited an accounting perspective as a primary driver for recent increases in assumed lifetimes: longer depreciation terms reduce annual book depreciation from an accounting perspective, thereby boosting near-term net income (all else being equal). This same respondent observed that increases in assumed project lives correlated (in time) with a move in the industry to capitalize (and therefore depreciate, not expense) major operating expenses such as gearbox replacements.
- Tax equity and lenders are often less-impacted by project term. Lenders are generally focused on ensuring that loans are repaid during the term of the PPA—before the project has merchant exposure. Tax-equity providers are similarly not always overly concerned with project life, but rather with the first 10+ years or so of operation, and making sure that energy generation matches expectations such that federal tax incentives are fully captured. This is not to say that longer project lives are ignored by these project participants, but only that useful life—whether 25- or 30-years—is less often a governing factor in investment decisions.
- One financier declared that it tends to have a somewhat more conservative view—using 25 years as the technical and economic lifetime, albeit acknowledging that many others have gained comfort with 30 years. This respondent also indicated that the actual incremental value of years 25 to 30 is generally quite low in present value terms, especially if there is need for increased O&M or refurbishment.
- Finally, an independent engineer suggested that, in the future, further extensions to project life might be enabled by even-more-sophisticated control strategies that seek to maximize overall lifetime plant profitability, by trading off immediate power production (especially when wholesale power prices are



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very low) against plant-lifetime 'consumption' and O&M costs. While these strategies are not yet employed broadly, the computational tools and expertise exist to potentially self-curtail during periods of high fatigue and low wholesale prices, thereby reducing future O&M costs and extending project life. Moreover, in the wake of a phased-out PTC, such strategies could become more common as the current PTC-induced emphasis on near-term production begins to shift in favor of longer-term considerations.

Impacts on Levelized Cost of Energy

RFRKFI FY

The estimated average levelized cost of energy (LCOE) for new wind projects built in 2018 is \$40.4/MWh (real 2018\$), assuming a 20-year project life and excluding the impacts of the federal production tax credit (Figure 3).⁵ With a 25-year useful life and no change in assumed operations and maintenance (0&M) expenditures or project performance over time, LCOE declines by 10%, to \$36.2/MWh because capital costs are recovered over five additional years of production. At the now-common 30-year assumed life, levelized costs decrease another 7%, to \$33.5/MWh (again, all else equal). Even longer assumed lifetimes lead to further, but diminishing (due to discounting), LCOE reductions—to \$31.7/MWh and \$30.3/MWh for 35- and 40-year lives, respectively. These estimates assume that 0&M costs simply scale with inflation regardless of useful life and that performance degradation as projects age is not present. Consequently, the analysis overstates the benefits of extended project lifetimes on LCOE, though is still suggestive of a potentially significant positive influence, at least among the nearer-term extensions from 20 to 25 to 30 years (whereas discounting erodes the benefits of longer-term extensions from 30 to 35 to 40 years).

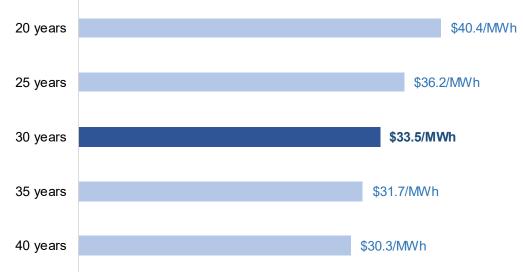


Figure 3. Levelized Cost of Wind in 2018, by Project Life (2018\$/MWh)

Project lifetime is not as impactful as installed costs and annual electricity production for determining the overall levelized cost of wind energy. Nonetheless, if O&M costs can be contained, project life is one of several levers (that also include financing and O&M) that helps reduce the levelized cost of wind energy.

⁵ These LCOE estimates apply empirical data and assumptions for installed costs, O&M costs, capacity factors, and financing from Wiser, R. and M. Bolinger. 2019. 2018 Wind Technologies Market Report. Washington, DC: U.S. Department of Energy.



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Exhibit BCA-2 Page 1 of 2

Iowa	Average	
Curve	Service Life	SSD
L2.5	280.4	0.3
L2	347.2	0.3
S1.5	311.5	0.3
S1	388.8	0.3
R4	164.3	0.3
S2	210.6	0.4
S2.5	183.1	0.4
L3	197.7	0.4
S0.5	735.9	0.5
R3.5	275.2	0.6
S0	1,047.9	0.6
R3	395.5	0.7
L1.5	686.6	0.7
S3	144.3	0.7
L0	2,525.8	0.8
L0.5	1,901.1	0.8
L1	1,124.3	0.9
R2.5	984.5	1.0
R2	1,630.5	1.0
R1.5	2,980.2	1.0
R1	4,330.9	1.0
R0.5	6,372.2	1.0
O3	13,749.6	1.0
O1	8,406.5	1.0
O2	9,403.2	1.0
O4	19,051.3	1.0
L4	131.6	1.1
S4	105.9	1.6
L5	99.9	2.2
S 5	87.6	2.4
S6	77.4	3.1
R5	77.4 3.1 164.3 4.1	
OG&E Proposal 75-	·S4	1,529
Currently Approved	75-S4	1,529

Account 350.2 Fitting Analysis Results

FEA Proposal 85-S5

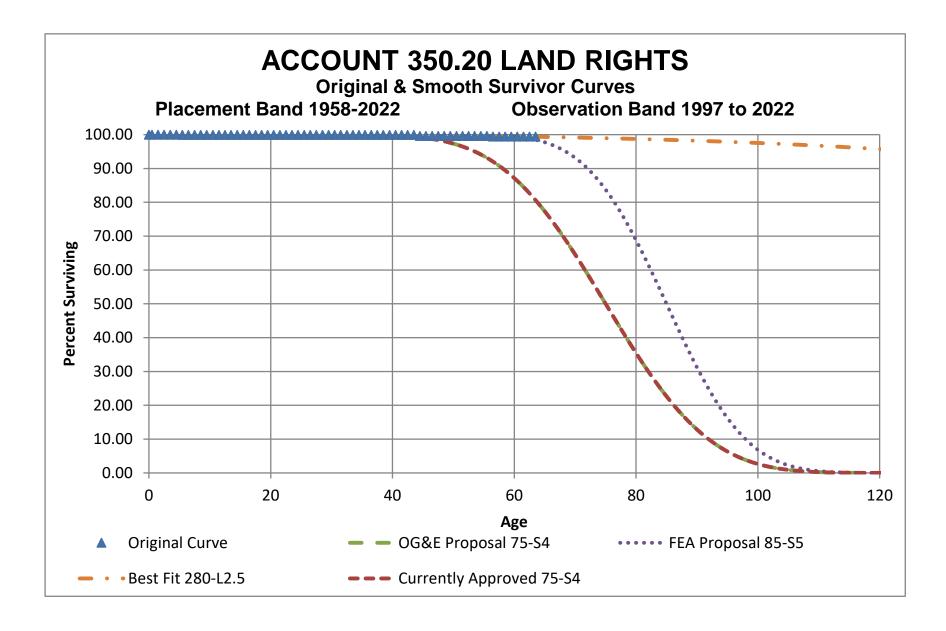


Exhibit BCA-3 Page 1 of 2

lowa	Average		
Curve	Service Life	SSD	
S0.5	201.5	51.4	
S1	157.4	51.8	
L1.5	183.9	52.1	
SO	254.8	54.6	
L2	145.2	55.1	
L1	225.6	56.3	
R3	119.9	56.8	
S1.5	136.0	59.0	
R2.5	152.8	62.2	
L2.5	127.7	65.0	
L0.5	320.4	65.3	
LO	423.9	67.4	
R3.5	105.4	67.8	
R2	198.0	71.9	
R1.5	290.7	85.3	
S2	117.0	87.8	
R1	398.0	90.3	
L3	110.2	90.3	
R0.5	556.9	94.4	
O2	810.1	95.9	
O1	723.9	95.9	
O3	1,182.0	96.1	
O4	1,637.4	96.2	
S2.5	106.7	103.8	
R4	93.9	110.0	
S3	97.5	154.5	
L4	91.7	166.5	
R5	79.1	256.0	
S4	83.7	260.1	
L5	80.6	278.9	
S5	76.0	347.9	
S6			
OG&E Proposal 70-	-S3	5,930	
Currently Approved	70-S3	5,930	
FEA Proposal 75-S	3	2,786	

Account 352 Fitting Analysis Results

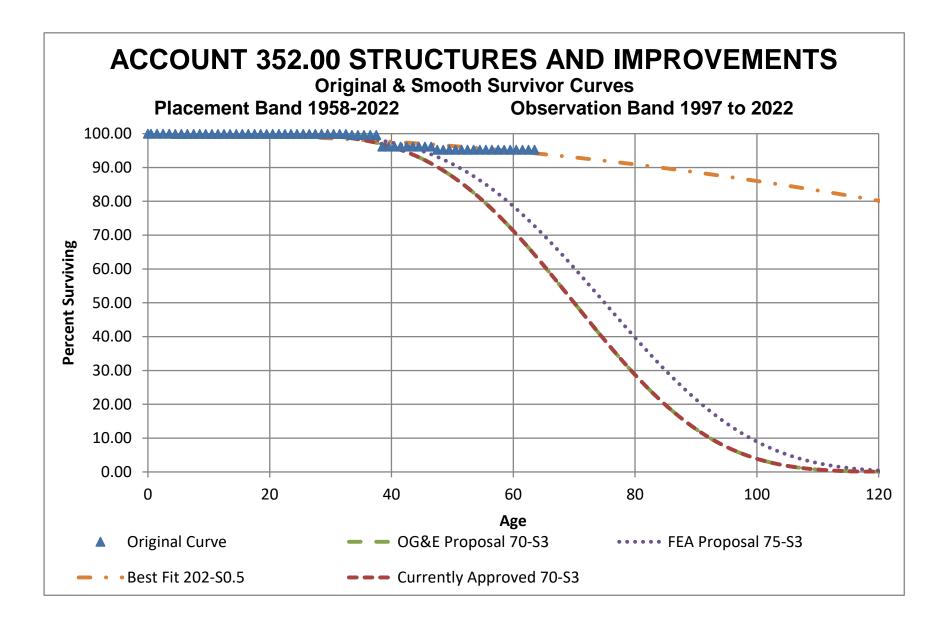


Exhibit BCA-4 Page 1 of 2

Iowa	Average	
Curve	Service Life	SSD
R1.5	57.7	75.1
S0.5	60.3	95.4
L1	66.5	209.3
R2	56.5	219.2
L1.5	63.7	227.5
S0	62.4	241.5
S1	58.9	318.2
R1	59.7	411.9
L0.5	70.0	453.7
L2	61.9	779.0
S1.5	57.9	823.0
R2.5	55.9	882.7
L0	75.1	981.7
R0.5	64.3	1,159.0
L2.5	60.3	1,528.0
S2	57.2	1,737.2
O2	80.7	1,949.2
O1	72.0	1,950.5
R3	55.7	2,102.9
O3	113.0	2,370.4
O4	153.5	2,592.1
S2.5	56.8	2,803.9
L3	59.1	2,888.7
R3.5	55.8	3,606.1
S3	56.6	4,262.2
R4	56.0	5,547.3
L4	57.4	6,425.8
S4	56.6	8,787.7
L5	57.3	11,313.4
R5	56.9	11,861.8
S5	57.3	14,436.3
S6	58.2	20,818.0
OG&E Proposal 57-	R1.5	95

Account 353 Fitting Analysis Results

Currently Approved 55-R1.5

FEA Proposal 58-R1.5

80

433

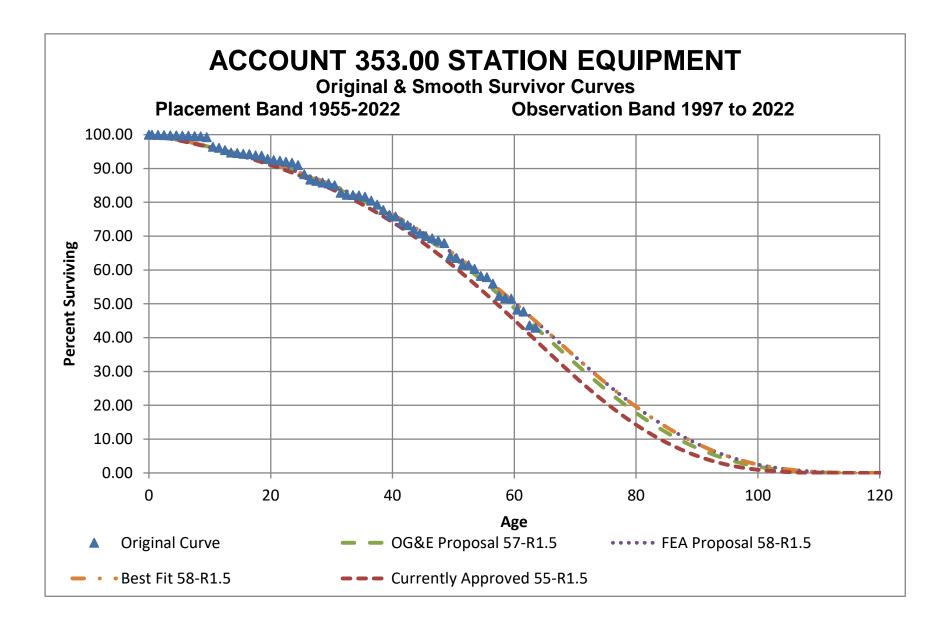


Exhibit BCA-5 Page 1 of 2

Iowa	Average	
Curve	Service Life	SSD
LO	100.7	93.7
R1	77.4	175.2
R0.5	87.9	176.7
L0.5	90.7	221.9
O2	115.1	242.8
O1	102.7	243.3
O3	163.2	274.4
SO	79.6	289.3
O4	222.8	293.1
R1.5	71.7	372.1
L1	83.6	591.4
S0.5	74.7	649.7
R2	67.9	891.7
L1.5	78.1	1,128.5
S1	71.3	1,303.4
R2.5	65.6	1,640.7
S1.5	68.8	2,028.2
L2	74.4	2,151.5
R3	64.0	2,806.3
L2.5	71.2	2,963.3
S2	66.9	3,099.0
R3.5	63.2	3,922.7
S2.5	65.6	4,050.9
L3	68.9	4,348.8
S3	64.7	5,343.3
R4	62.6	5,381.2
L4	65.1	6,765.5
S4	63.3	8,520.6
R5	62.4	9,674.8
L5	63.8	9,844.2
S 5	62.9	11,670.8
S6	63.0	14,542.1
OG&E Proposal 75-	·R1	219
Currently Approved	69-R0.5	2,414

Account 355 Fitting Analysis Results

FEA Proposal 77-R1

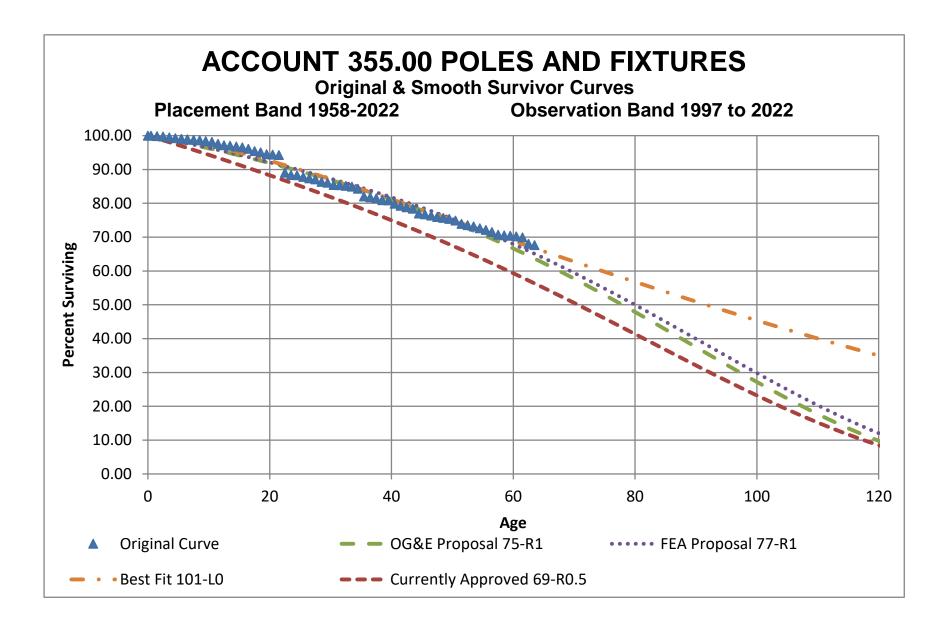


Exhibit BCA-6 Page 1 of 2

Iowa	Average			
Curve	Service Life	SSD		
L2.5	221.7	0.9		
S1.5	243.5	0.9		
L2	269.9	0.9		
S1	299.8	1.0		
R4	136.9	1.1		
L3	167.1	1.1		
S2	177.9	1.1		
S2.5	156.0	1.2		
R3.5	194.7	1.6		
S0.5	501.3	1.9		
S0	696.7	2.0		
R3	259.1	2.1		
L1.5	440.0	2.3		
S3	128.8	2.5		
LO	1,497.2	2.9		
L1	652.2	3.0		
L0.5	1,114.9	3.0		
R2.5	527.6	3.5		
L4	119.4	3.6		
R2	842.7	3.8		
R1.5	1,498.4	4.0		
R1	2,175.4	4.0		
R0.5	3,178.3	4.1		
O2	4,685.1	4.1		
O3	6,850.7	4.1		
O4	9,492.2	4.1		
O1	4,188.5	4.1		
R5	93.6	5.9		
S4	99.2	5.9		
L5	94.5	7.7		
S5	84.2	9.3		
S6	75.5	12.0		
OG&E Proposal 75-	·S4	1,395		
Currently Approved	75-S4	1,395		
EEA Droposal 85 D	F	22		

Account 360.2 Fitting Analysis Results

FEA Proposal 85-R5

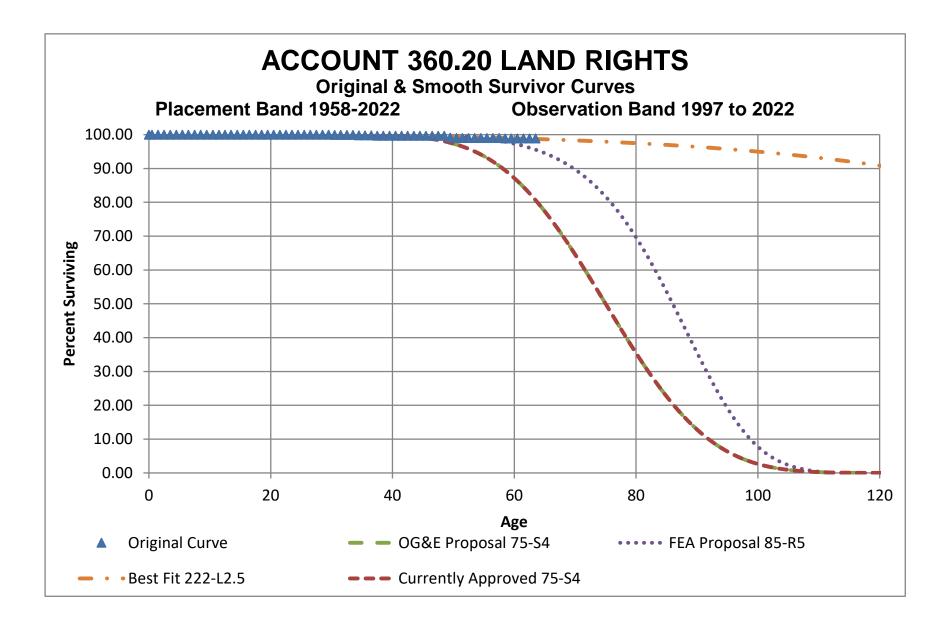


Exhibit BCA-7 Page 1 of 2

lowa	Average	
Curve	Service Life	SSD
R1.5	64.7	87.9
S0	71.4	121.0
L0.5	81.0	159.6
R1	68.5	179.9
S0.5	67.9	229.6
L1	75.7	243.7
L0	88.5	322.9
R2	62.3	354.8
L1.5	71.4	516.5
R0.5	76.2	518.1
S1	65.4	644.2
O2	98.3	847.8
O1	87.7	848.9
R2.5	60.8	949.5
O3	138.9	996.6
O4	189.4	1,076.6
S1.5	63.6	1,200.9
L2	68.6	1,266.3
L2.5	66.1	1,968.0
R3	59.9	2,000.5
S2	62.3	2,113.4
S2.5	61.4	3,005.6
R3.5	59.5	3,137.0
L3	64.4	3,227.4
S3	60.8	4,245.8
R4	59.3	4,647.7
L4	61.5	5,843.0
S4	60.1	7,643.8
R5	59.7	9,374.6
L5	60.7	9,383.1
S5	60.2	11,524.5
S6	60.7	15,717.5
OG&E Proposal 61-	-R2	414
Currently Approved	61-R2	414

Account 362 Fitting Analysis Results

FEA Proposal 64-R1.5

99

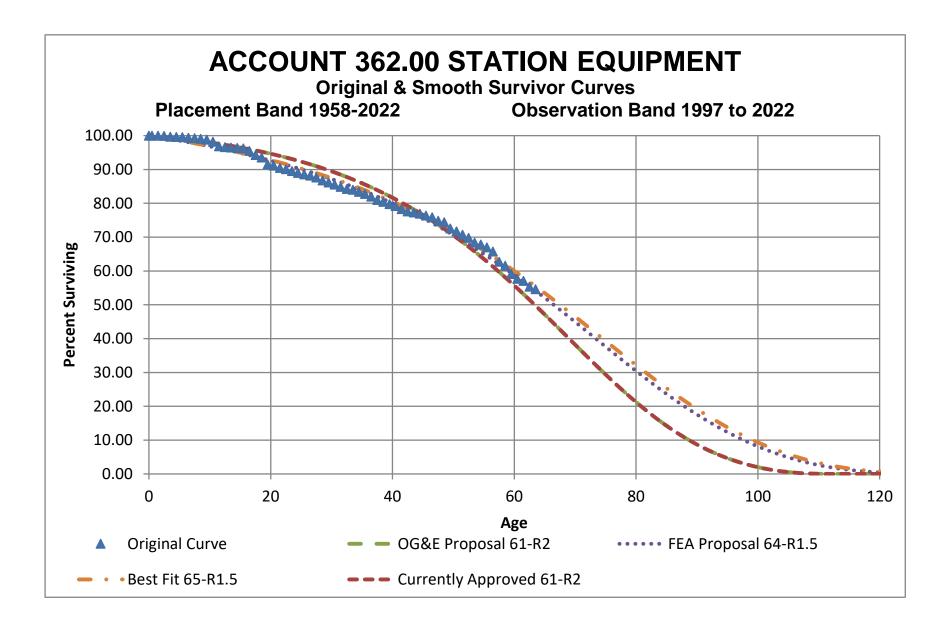


Exhibit BCA-8 Page 1 of 2

lowa	Average	
Curve	Service Life	SSD
R0.5	70.6	3.0
O2	93.8	15.5
O1	83.7	15.6
O3	133.8	22.9
R1	60.7	25.5
O4	183.1	27.5
LO	80.0	48.4
R1.5	55.1	138.8
L0.5	71.0	152.4
SO	61.9	209.3
L1	64.6	423.7
S0.5	57.3	424.2
R2	51.4	435.9
L1.5	59.5	703.6
S1	54.0	822.4
R2.5	48.9	823.8
S1.5	51.6	1,193.4
L2	56.0	1,279.2
R3	47.3	1,458.4
L2.5	53.1	1,668.5
S2	49.8	1,777.9
R3.5	46.3	2,022.5
S2.5	48.5	2,244.9
L3	51.0	2,395.4
R4	45.5	2,793.8
S 3	47.5	2,923.0
L4	47.4	3,560.4
S4	45.9	4,534.4
R5	44.9	5,032.5
L5	46.0	5,140.0
S 5	45.2	6,132.6
S6	7,590.1	
OG&E Proposal 55-	·R1	257
Currently Approved	60-R1	29

Account 364 Fitting Analysis Results

FEA Proposal 60-R1

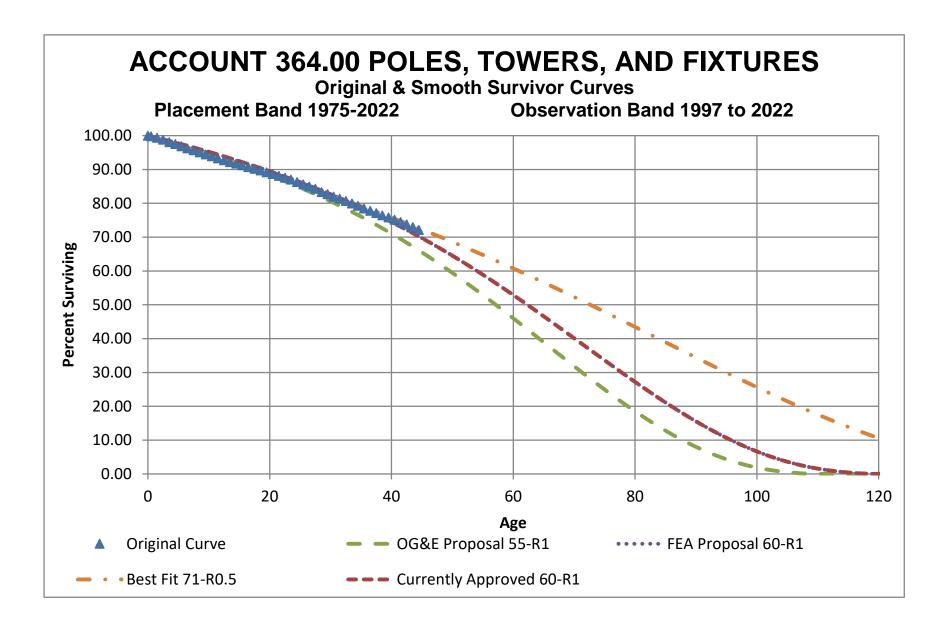


Exhibit BCA-9 Page 1 of 2

lowa	Average		
Curve	Service Life	SSD	
O4	169.4	100.4	
O3	125.5	135.3	
O1	80.8	219.7	
O2	90.5	220.2	
R0.5	72.4	508.2	
LO	83.0	792.4	
R1	66.8	1,166.5	
L0.5	77.2	1,497.7	
SO	68.9	1,866.4	
R1.5	64.0	2,180.4	
L1	72.8	2,597.2	
S0.5	66.3	2,945.3	
R2	62.1	3,711.9	
L1.5	69.8	3,936.2	
S1	64.5	4,452.2	
R2.5	61.1	5,453.4	
L2	67.7	5,936.1	
S1.5	63.2	5,938.1	
L2.5	65.9	7,551.5	
R3	60.5	7,726.1	
S2	62.3	7,864.2	
S2.5	61.7	9,538.8	
R3.5	60.3	9,752.3	
L3	64.5	9,897.5	
S3	61.3	11,608.0	
R4	60.3	12,166.2	
L4	62.4	14,048.8	
S4	61.1	16,528.3	
R5	60.9	18,547.7	
L5	62.0	18,684.4	
S 5	61.4	21,213.6	
S6	62.1 25,352.5		
OG&E Proposal 60-	·R0.5	2,637	
Currently Approved	60-R0.5	2,637	
FEA Proposal 64-R	0.5	1,342	

Account 365 Fitting Analysis Results

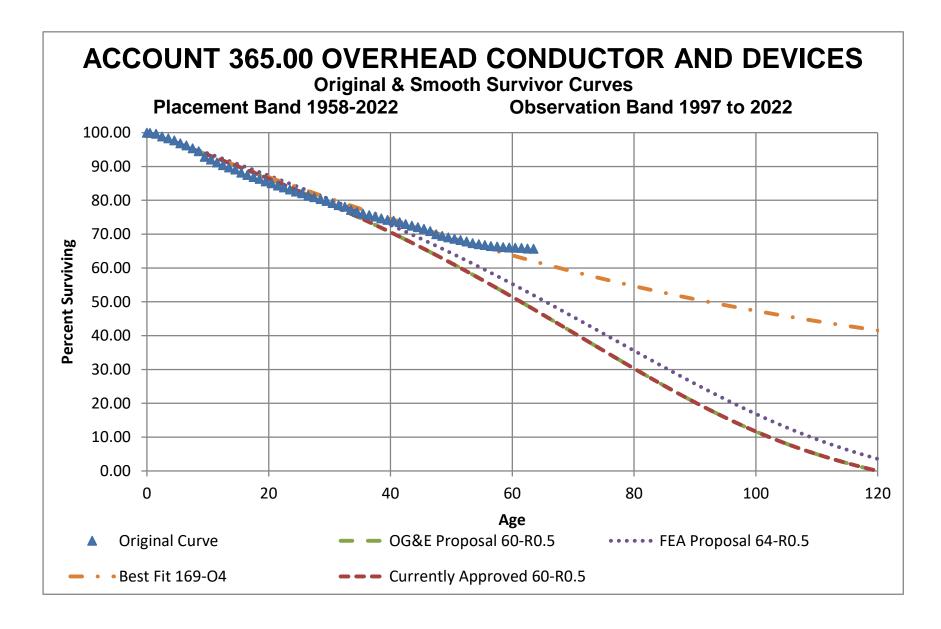


Exhibit BCA-10 Page 1 of 2

lowa	Average			
Curve	Service Life	SSD		
O4	359.2	37.1		
O3	260.3	37.8		
O1	160.6	39.1		
O2	179.9	39.2		
R0.5	128.7	46.4		
R1	100.8	65.5		
R1.5	82.4	97.4		
LO	129.3	119.4		
L0.5	106.0	157.6		
R2	68.8	183.4		
S0	90.2	200.5		
S0.5	78.1	270.9		
L1	88.5	274.5		
R2.5	60.9	279.5		
L1.5	76.9	343.0		
S1	68.8	425.0		
R3	55.0	466.4		
S1.5	62.8	511.5		
L2	67.7	513.6		
L2.5	61.7	592.2		
R3.5	51.7	599.8		
S2	57.9	692.2		
L3	56.6	764.8		
S2.5	54.6	778.5		
R4	49.0	824.0		
S3	51.8	954.1		
L4	49.5	999.2		
S4	47.2	1,264.4		
R5	44.9	1,280.3		
L5	45.9	1,309.7		
S 5	44.4	1,518.2		
S6	42.5	1,719.0		
OG&E Proposal 55-	·R2.5	397		
Currently Approved	65-R2.5	311		

Account 367 Fitting Analysis Results

FEA Proposal 60-R2.5

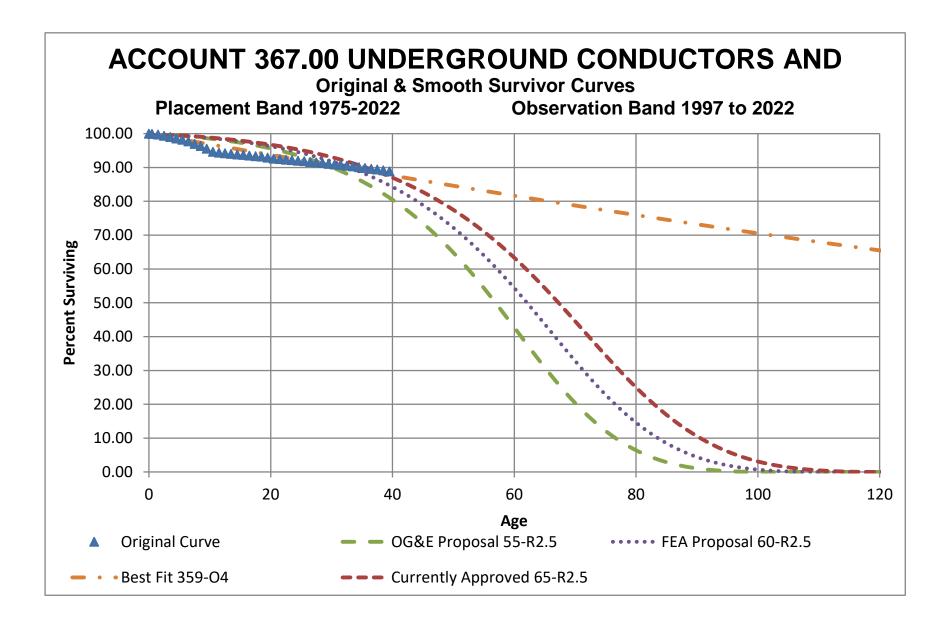


Exhibit BCA-11 Page 1 of 2

lowa	Average	
Curve	Service Life	SSD
O4	106.2	242.5
O3	79.3	307.8
O1	51.9	459.3
O2	58.1	459.7
R0.5	47.5	879.9
LO	54.1	1,059.4
R1	44.7	1,679.3
L0.5	50.9	1,800.4
SO	46.0	2,234.8
R1.5	43.5	2,787.1
L1	48.5	2,852.2
S0.5	44.8	3,336.4
L1.5	47.1	4,212.2
R2	42.6	4,317.0
S1	43.9	4,777.9
R2.5	42.3	6,031.0
L2	46.0	6,084.0
S1.5	43.3	6,229.5
L2.5	45.2	7,677.2
S2	42.9	8,019.2
R3	42.1	8,150.5
S2.5	42.8	9,603.1
L3	44.5	9,833.8
R3.5	42.3	10,048.7
S3	42.7	11,479.9
R4	42.4	12,225.5
L4	43.7	13,726.4
S4	43.0	15,893.2
R5	43.1	17,779.5
L5	43.7	17,822.9
S 5	43.5	19,971.2
S6	44.2	23,483.5
OG&E Proposal 40-	R0.5	2,506
Currently Approved	48-01	656

Account 368 Fitting Analysis Results

FEA Proposal 48-O1

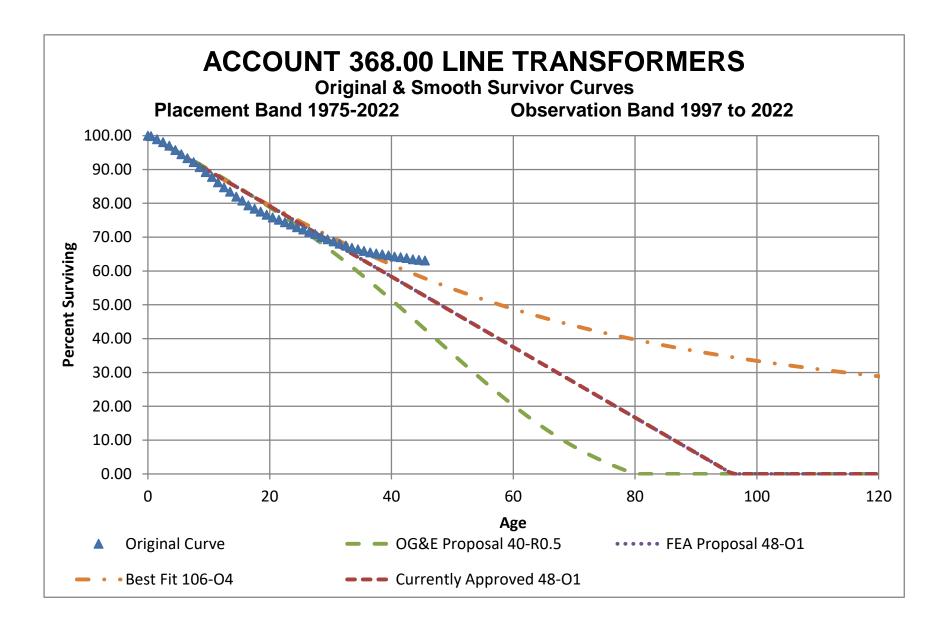


Exhibit BCA-12 Page 1 of 3

OKLAHOMA GAS AND ELECTRIC COMPANY

COMPUTATION OF FEA PROPOSED ANNUAL DEPRECIATION ACCRUAL AMOUNTS AND RATES RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2022

PRODUCTION AND OTHER PRODUCTION REALLOCATED WITHIN EACH GROUP ALL FUNCTIONS REALLOCATED WITHIN EACH GROUP TRANSMISSION, DISTRIBUTION, AND GENERAL RESERVE PER BOOK

302 FRAN 303 IN MISCI 304 INSCI 305 IN MISCI 307 IN MISCI 308 IN MISCI 309 IN MISCI 301 STEA 301 STEA 301 IN MISCI 301 IN MISCI 301 IN MISCI 301 MISCI 3		Plant Balance (2)	Reserve (3)	% (4)	Amount (5) = (2) x (4)	Balance (6) = (2) - (3) - (5)	Remaining Life (7)	Accrual Amount (8) = (6)/(7)	Accrua Rate (9) = (8)
13.1 MISCI 13.2 MISCI 13.2 MISCI 13.1 MISCI 13.1 TOTA 14.1 TOTA 15.1 STEA 0.2 RIGH 16.1 STEA 17.1 STEA 18.1 STRU	TANGIBLE PLANT								
AIL STEA TOTA STEA 0.2 RIGH 311 STEU 311 STEU 311 STEU 313 STEA 314 UR 314 UR 314 UR 314 UR 314 UR 314 UR 314 UR 314 UR 314 UR 315 ACCE HH HH HH HH HH HH HH HH HH HH HH HH HH	RANCHISES AND CONSENTS ISCELLANEOUS INTANGIBLE PLANT - SOFTWARE - 5-YEAR	1,551,188 113,907,272	830,287 43,455,282	0.00%	0	720,901 70,451,990	10.85 2.99	66,413 23,579,985	4.2 20.7
FI ATTOTA STEA STEA SI SI SI SI SI SI SI SI SI SI		113,907,272	43,433,262	0.00%	0	70,451,550	2.55	23,579,985	20.7
AI TOTA TOTA STEA 310.2 311 312 312 314 315 315 315 316 316 316 316 317 316 317 317 318 317 318 318 317 318 318 319 319 319 319 319 319 319 319 310 310 310 311 311 311 311 311 311 311	ISCELLANEOUS INTANGIBLE PLANT - SOFTWARE - 10-YEAR FULLY DEPRECIATED	73.273.842	73.273.842						
ACCEPTION ACCEPT	AMORTIZED	148,826,972	79,876,570	0.00%	0	68,950,402	4.55	15,153,799	10.1
STEA 0.2 RIGH SI 1012 RIGH SI 1014 SI SI SI SI SI SI SI SI SI SI	DTAL SOFTWARE - 10-YEAR	222,100,814	153,150,411	0.00%	0	68,950,402		15,153,799	6.8
10.2 RIGH SI SI SI SI SI SI SI SI SI SI	DTAL INTANGIBLE PLANT	337,559,274	197,435,981		0	140,123,293		38,800,197	11.4
Hi STRU STRU HI HI HI SIS SIS MM MM SIS SIS SIS SIS	FEAM PRODUCTION PLANT								
SI STOTA STOTA STOTA STOTA SI SI SI SI SI SI SI SI SI SI	GHTS OF WAY	28,509	28,227	0.00%	0	282	1.00	282	0.9
M STRU 311 STRU H H H H S S S S S S S S S S S S S S S	HORSESHOE LAKE 6 SEMINOLE 1	78,916 18,934	77,193 15,072	0.00%	0	1,723 3,862	8.00 20.00	215 193	0.: 1.:
TOTA 311 STRU H H SIS SIS SIS SIS SIS SIS SI	MUSKOGEE 4	813,704	412,488	0.00%	Ő	401,216	22.00	18,237	2.
311 STRU HH HH SS SS SS R R TOTA 312 BOLL HH HH SS SS R R R TOTA 314 TURE SS SS R R R TOTA 314 TURE SS SS R R R TOTA 315 ACCE HH HH HH HH HH HH HH HH HH HH HH HH HH	SOONER 1 DTAL RIGHTS OF WAY	940,063	532,980		0	407,083		18,928	2.
HH HH SS SS M M M M SS R R R TOTA SS SS R R R TOTA SS SS R R R TOTA SS SS R R R TOTA SS SS R R R TOTA SS SS R R R TOTA SS SS R R R TOTA SS SS R R R R TOTA SS SS R R R R TOTA SS SS R R R R R SS SS R R R R R SS SS R R R R R SS SS	IRUCTURES AND IMPROVEMENTS								
Hi Sisi Sisi M M M Sisi R R R TOTA 312 BOLEL H H H H H Sisi Sisi R R TOTA 314 TURE S S S S R R R TOTA 315 ACCE H H H H H H H H H H H H H H H H H H	HORSESHOE LAKE 6	201,906	164,977	-5.00%	(10,095)	47,024	1.00	47,024	23.
SI SIS SIS SIS SIS SIS SIS SIS SIS SIS	HORSESHOE LAKE 7	2,807,502	2,910,257	-5.00%	(140,375)	37,621	2.00	18,810	0.
SI SI M M M M SI SI SI SI SI SI SI SI SI SI SI SI SI	HORSESHOE LAKE 8 SEMINOLE 1	28,618,552 26,448,745	20,851,689 18,044,643	-5.00% -5.00%	(1,430,928) (1,322,437)	9,197,791 9,726,539	4.97 7.89	1,851,747 1,232,634	6. 4.
M M M SS SS R R TOTA 312 BOLE H H H H H H H H H H H H H H H H H H H	SEMINOLE 2	3,799,406	2,384,183	-5.00%	(189,970)	1,605,193	9.81	163,672	4.
M M SS SS SS R R TOTA 312 BOLLE H H SS SS SS SS M M M M SS SS SS SS SS SS S	SEMINOLE 3	8,154,375	6,535,996	-5.00%	(407,719)	2,026,098	11.68	173,451	2.
M Signa Signa Sign	MUSKOGEE 4 MUSKOGEE 5	69,811,751 7,451,169	26,416,417 4,696,822	-5.00% -5.00%	(3,490,588) (372,558)	46,885,922 3,126,905	19.32 20.05	2,427,002 155,957	3. 2.
SI R R TOTA 312 BOLLE H H H H H H H H H H H H H	MUSKOGEE 6	58,954,946	33,076,243	-5.00%	(2,947,747)	28,826,451	25.41	1,134,626	1.
R R TOTA 312 BOLL H H SIS SIS SIS SIS SIS R R TOTA 314 TURB H H H H H H H H H H H H H H H H H H H	SOONER 1	151,399,419	72,276,901	-5.00%	(7,569,971)	86,692,489	21.06	4,116,548	2
R TOTA 312 BULE H H H H H H H H H H H H H H H H H H H	SOONER 2 RIVER VALLEY 1	12,655,397 61,139,973	9,102,955 35,282,810	-5.00% -5.00%	(632,770) (3,056,999)	4,185,212 28,914,161	21.73 24.61	192,644 1,174,856	1.
312 BOLL H H H S S S S S S S S S S S S S S S S	RIVER VALLEY 2	54,656	23,723	-5.00%	(2,733)	33,666	24.83	1,356	2
HI HH HH SIS SIS M M M SIS SIS SIS SIS SIS SIS S	DTAL STRUCTURES AND IMPROVEMENTS	431,497,798	231,767,617		(21,574,890)	221,305,071		12,690,325	2
HI HI SIS SIS M M M SIS R R TOTA 314 UHH HH HH HH SIS SIS SIS SIS SIS SIS SIS				<u> </u>	<i></i>				
H Sisis Sisis R R R TOTA 314 TURB 314 TURB 314 TURB 314 H H H H H H H H H H H H H H	HORSESHOE LAKE 6 HORSESHOE LAKE 7	20,996,286 15,246,822	19,730,210 15,143,144	-5.00% -5.00%	(1,049,814) (762,341)	2,315,890 866,019	1.00 2.00	2,315,890 433,010	11 2
SI SI SI SI SI SI SI SI SI SI SI SI SI S	HORSESHOE LAKE 8	22,959,876	18,818,872	-5.00%	(1,147,994)	5,288,998	4.94	1,070,049	4
SI M M M SI SI SI R R TOTA 314 TOTA 315 ACCEC SI SI SI SI SI SI SI SI SI SI SI SI SI	SEMINOLE 1	59,087,267	40,108,209	-5.00%	(2,954,363)	21,933,421	7.87	2,786,522	4
M M M SS SS R TOTA 314 TURB 314 TURB 314 H H H H H H H H H H SS SS SS SS M M M M	SEMINOLE 2 SEMINOLE 3	49,105,513 68,970,927	32,903,936 46,127,446	-5.00% -5.00%	(2,455,276) (3,448,546)	18,656,853 26,292,028	9.77 11.64	1,909,893 2,257,821	3
M M SS SS SS R R TOTA 314 TURB H H H H SS SS SS SS SS SS SS SS SS SS S	MUSKOGEE 4	127,239,724	61,829,847	-5.00%	(6,361,986)	71,771,863	19.02	3,773,595	2
SI SI SI SI SI SI SI SI SI SI SI SI SI S	MUSKOGEE 5	118,189,382	63,003,471	-5.00%	(5,909,469)	61,095,380	19.88	3,073,697	2
SI R R TOTA 314 UURB 314 UURB 315 H H SI SI SI SI SI SI SI SI SI SI SI SI SI	MUSKOGEE 6 SOONER 1	301,242,531 549,266,125	157,469,091 188,313,664	-5.00% -5.00%	(15,062,127) (27,463,306)	158,835,566 388,415,767	25.02 20.97	6,348,556 18,518,884	2
R TOTA 314 UURRS SI SI SI SI SI SI SI SI SI SI SI SI SI	SOONER 2	369,243,742	131,812,424	-5.00%	(18,462,187)	255,893,505	20.57	11,724,981	3
TOTA 314 TURB H H SI SI SI SI SI SI SI SI SI SI	RIVER VALLEY 1	221,271,646	122,959,002	-5.00%	(11,063,582)	109,376,226	24.24	4,511,533	2
314 TURE H H H SI SI SI SI M M M M M 315 ACCE H H H H H SI SI SI SI SI SI SI SI SI SI SI SI SI	RIVER VALLEY 2 DTAL BOILER PLANT EQUIPMENT	<u>121,987,581</u> 2,044,807,422	70,580,724 968,800,040	-5.00%	(6,099,379) (102,240,371)	57,506,236 1,178,247,753	24.20	2,376,576 61,101,006	1.
H H H H S S S S S M M M M S S S S S S S					(
H Sis Sis M M M Sis Sis R R R R R Sis Sis N M M M M Sis Sis R R R TOTA 316 MISCI R Sis Sis M M M M M Sis Sis Sis M M M M M M M M M M M M M M M M M M M	JRBOGENERATOR UNITS HORSESHOE LAKE 6	10,842,200	9,455,483	-5.00%	(542,110)	1,928,827	1.00	1.928.827	17.
SI SI SI M M M SI SI TOTA 315 ACCEE H H H H H H SI SI SI SI SI SI SI SI SI SI SI SI SI	HORSESHOE LAKE 7	10,985,415	10,662,444	-5.00%	(549,271)	872,242	2.00	436,121	3
SI SI SI SI SI SI SI SI SI SI SI SI SI S	HORSESHOE LAKE 8 SEMINOLE 1	29,108,074 32,468,391	21,970,062 24,503,463	-5.00% -5.00%	(1,455,404) (1,623,420)	8,593,415 9,588,347	4.91 7.72	1,751,851 1,242,155	6 3
M M SS R R TOTA 315 ACCE 315 ACCE SS SS SS R R R TOTA 316 MISCH H H SS SS SS SS SS SS SS SS SS SS SS S	SEMINOLE 2	44,903,852	28,389,077	-5.00%	(2,245,193)	18,759,968	9.57	1,961,070	4
M M Si Si Si R R TOTA 315 ACCE H H H H Si Si Si Si Si Si Si Si Si Si M M M M M	SEMINOLE 3	32,494,674	21,973,682	-5.00%	(1,624,734)	12,145,726	11.44	1,061,754	3
M SS R TOTA 315 ACCE 315 ACCE H H H H H SS SS R R TOTA 316 MISCC SS R R SS SS SS SS SS SS SS SS SS SS SS	MUSKOGEE 4 MUSKOGEE 5	71,581,697 52,439,504	29,660,896 29,487,119	-5.00% -5.00%	(3,579,085) (2,621,975)	45,499,886 25,574,360	18.64 18.95	2,440,439 1.349.707	3
SI SI SI SI SI SI SI SI SI SI SI SI SI S	MUSKOGEE 6	94,009,241	44,087,092	-5.00%	(4,700,462)	54,622,611	23.61	2,313,785	2
R R TOTA 315 ACCE H H H H SS SS SS R R R SS SS SS SS SS SS SS SS	SOONER 1	43,344,918	23,197,755	-5.00%	(2,167,246)	22,314,409	19.78	1,128,117	2
R TOTA 315 ACCE H H H H SI SI SI SI SI SI R R R TOTA 316 MISCI 316 H H H H H SI SI SI SI SI SI SI SI SI SI SI SI SI	SOONER 2 RIVER VALLEY 1	49,136,488 53,028,756	24,917,784 24,948,204	-5.00% -5.00%	(2,456,824) (2,651,438)	26,675,529 30,731,989	20.54 23.00	1,298,891 1,336,447	2
315 ACCE HH HS SI SI SI SI SI SI R R R R TOTA 316 MISCI 316 HS H H H H SI SI SI SI SI SI SI SI SI SI SI SI SI	RIVER VALLEY 2	30,735,122	16,284,031	-5.00%	(1,536,756)	15,987,847	23.00	701,401	2
H H H H H S S S S S M M M S S S R R TOTA 316 MISC H H H H S S S S M M S S M M S S M M M S S M M M S S S M M M M S S S M M M M S S S S M M M M S S S S S M M M M S S S S S M M M S S S S S M M M S S S S S S M M M S S S S S M M M S S S S S M M M S S S S S S M M M S S S S S S M M M S S S S S S S M M M S S S S S S S S S S S M M M S	DTAL TURBOGENERATOR UNITS	555,078,332	309,537,092		(27,753,917)	273,295,156		18,950,563	3
H H H SI SI SI SI M M M M M M SI SI SI SI SI SI SI SI M M SI SI SI SI SI SI SI SI SI SI SI SI SI	CCESSORY ELECTRIC EQUIPMENT	0.040.740	0.004.000	5 000/	(407 400)	40.4.005	4.00	101.005	
Hi Si Si M M M M Si Si Si Si Si Si M M M Si Si Si M M M Si Si M M M M	HORSESHOE LAKE 6 HORSESHOE LAKE 7	3,348,719 2,377,714	3,031,260 2,146,125	-5.00% -5.00%	(167,436) (118,886)	484,895 350,475	1.00 2.00	484,895 175,238	14 7
SI SI SI SI M M M SI SI TOTA 316 MISCI H H H H H H H SI SI SI SI SI SI SI SI SI SI SI SI SI	HORSESHOE LAKE 8	2,799,956	2,599,204	-5.00%	(139,998)	340,749	4.94	68,982	2
SI M M SI SI R R R TOTA 316 MISCI H H H SI SI SI SI SI M M	SEMINOLE 1	4,042,504	3,331,070	-5.00%	(202,125)	913,559	4.45	205,517	5
M M Si Si R R TOTA 316 MISCI 316 HI H Si Si Si Si Si Si Si	SEMINOLE 2 SEMINOLE 3	3,287,888 5,362,861	1,838,624 4,250,433	-5.00% -5.00%	(164,394) (268,143)	1,613,658 1,380,571	9.81 11.71	164,505 117,890	5
M Si R TOTA 316 MISCI H H H Si Si Si M	MUSKOGEE 4	34,848,214	20,036,281	-5.00%	(1,742,411)	16,554,344	18.98	871,993	2
SI SI R TOTA 316 MISCI H H H SI SI SI SI M	MUSKOGEE 5	12,449,797	8,792,833	-5.00%	(622,490)	4,279,453	19.41	220,444	1
SI R TOTA 316 MISCI HI HI HI SI SI SI M	MUSKOGEE 6 SOONER 1	44,124,866 25,739,512	28,632,906 18,517,416	-5.00% -5.00%	(2,206,243) (1,286,976)	17,698,203 8,509,072	24.77 20.24	714,468 420,437	1
RI TOTA 316 MISCI HI HI SI SI SI SI SI SI M	SOONER 2	13,215,686	9,604,513	-5.00%	(660,784)	4,271,957	21.03	203,123	. 1
TOTA 316 MISCI H H H SI SI SI SI M	RIVER VALLEY 1	41,676,296	23,634,689	-5.00%	(2,083,815)	20,125,422	24.49	821,727	1
Hi Hi Si Si M	RIVER VALLEY 2 DTAL ACCESSORY ELECTRIC EQUIPMENT	<u>1,565,529</u> 194,839,542	221,238 126,636,594	-5.00%	(78,276) (9,741,977)	1,422,568 77,944,925	25.50	55,788 4,525,007	3
Hi Hi Si Si M	SCELLANEOUS POWER PLANT EQUIPMENT				<u> </u>				
H SI SI M	HORSESHOE LAKE 6	2,111,076	1,982,300	-5.00%	(105,554)	234,329	1.00	234,329	11
SI SI M	HORSESHOE LAKE 7	1,116,214	1,101,703	-5.00%	(55,811)	70,321	2.00	35,161	3
SI SI M	HORSESHOE LAKE 8 SEMINOLE 1	3,830,753 4,188,322	1,927,573 3,192,087	-5.00% -5.00%	(191,538) (209,416)	2,094,718 1,205,651	4.41 4.78	474,851 252,281	12 6
SI M	SEMINOLE 2	4,188,322 21,726	22,514	-5.00%	(209,416) (1,086)	299	4.76	252,281	0
	SEMINOLE 3	300,618	188,389	-5.00%	(15,031)	127,260	8.58	14,829	4
	MUSKOGEE 4 MUSKOGEE 5	10,582,057 703,624	4,704,330 570,503	-5.00% -5.00%	(529,103) (35,181)	6,406,830 168,302	13.34 5.99	480,108 28,100	4
М	MUSKOGEE 6	4,642,616	4,009,306	-5.00%	(232,131)	168,302 865,440	5.99 6.72	28,100 128,713	3
S	SOONER 1	9,176,698	4,189,719	-5.00%	(458,835)	5,445,814	13.71	397,077	4
	SOONER 2	2,423,736	1,962,460	-5.00%	(121,187)	582,463 6,878,812	6.69	87,112	3
	RIVER VALLEY 1	20,631,345 32,329	14,784,100 1,772	-5.00% -5.00%	(1,031,567) (1,616)	6,878,812 32,174	9.52 20.94	722,803 1,536	3
P	RIVER VALLEY 1 RIVER VALLEY 2	2,858,584	859,225	-5.00%	(142,929)	2,142,288	18.00	118,986	4
TOTA	RIVER VALLEY 2 POWER SUPPLY SERVICES					26,254,702		2,976,101	4.
ΤΟΤΑ	RIVER VALLEY 2	62,619,698	39,495,981		(3,130,985)	20,201,102		2,010,101	
OTHE	RIVER VALLEY 2 POWER SUPPLY SERVICES		39,495,981 1,676,770,304		(164,442,140)	1,777,454,690		100,261,931	3.
IO.2 RIGH	RIVER VALLEY 2 POWER SUPPLY SERVICES DTAL MISCELLANEOUS POWER PLANT EQUIPMENT	62,619,698							

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OKLAHOMA GAS AND ELECTRIC COMPANY

COMPUTATION OF FEA PROPOSED ANNUAL DEPRECIATION ACCRUAL AMOUNTS AND RATES RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2022

PRODUCTION AND OTHER PRODUCTION REALLOCATED WITHIN EACH GROUP ALL FUNCTIONS REALLOCATED WITHIN EACH GROUP TRANSMISSION, DISTRIBUTION, AND GENERAL RESERVE PER BOOK

	Account	Plant Balance	Reserve	Net Salvage %	Net Salvage Amount	Unaccrued Balance	Remaining Life	Accrual Amount	Annua Accrua Rate
	(1)	(2)	(3)	(4)	(5) = (2) x (4)	(6) = (2) - (3) - (5)	(7)	(8) = (6)/(7)	(9) = (8)/
341	STRUCTURES AND IMPROVEMENTS								
	REDBUD 1 REDBUD 2	34,235,763	15,495,962 69,734	-5.00%	(1,711,788)	20,451,589	25.54 26.25	800,614	2.34
	REDBUD 2 REDBUD 3	318,306 265,177	62,100	-5.00% -5.00%	(15,915) (13,259)	264,487 216,336	26.25	10,076 8,251	3.1
	REDBUD 4	288,878	72,117	-5.00%	(14,444)	231,205	26.18	8,831	3.06
	HORSESHOE LAKE 9 AND 10 TINKER	1,201,774 1,781,246	873,050 1,396,853	-5.00% -5.00%	(60,089) (89,062)	388,813 473,455	12.65 3.00	30,730 157,818	2.56 8.86
	MCCLAIN GAS 1	11,750,959	4,894,114	-5.00%	(587,548)	7,444,393	12.65	588,369	5.0
	MCCLAIN GAS 2	1,788,683	931,122	-5.00%	(89,434)	946,995	23.04	41,105	2.3
	MCCLAIN STEAM 1 FRONTIER 1	1,070,785 8,395,038	493,530 5,192,401	-5.00% -5.00%	(53,539) (419,752)	630,794 3,622,389	22.85 22.05	27,607 164,266	2.5 1.9
	MUSTANG CTs	43,721,045	9,565,462	-5.00%	(2,186,052)	36,341,636	30.25	1,201,260	2.7
	TOTAL STRUCTURES AND IMPROVEMENTS	104,817,655	39,046,446		(5,240,883)	71,012,092		3,038,927	2.9
341	STRUCTURES AND IMPROVEMENTS - WIND CENTENNIAL	3,014,587	1,460,899	-5.00%	(150,729)	1,704,418	13.26	128,542	4.2
	OU SPIRIT	3,014,587 5,228,646	2,566,409	-5.00%	(150,729) (261,432)	2,923,669	13.26	128,542 184,594	4.2
	CROSSROADS	11,538,638	4,692,913	-5.00%	(576,932)	7,422,657	18.53	400,534	3.4
	TOTAL STRUCTURES AND IMPROVEMENTS - WIND	19,781,871	8,720,220		(989,094)	12,050,744		713,671	3.6
341	STRUCTURES AND IMPROVEMENTS - SOLAR	4,465,531	568,873	-2.00%	(89,311)	3,985,969	21.06	189,304	4.2
342	FUEL HOLDERS, PRODUCERS AND ACCESSORIES								
	REDBUD 1	12,117,606	5,638,479	-5.00%	(605,880)	7,085,007	26.18	270,579	2.2
	REDBUD 2 REDBUD 3	690,651 691,292	324,592 324,849	-5.00% -5.00%	(34,533) (34,565)	400,592 401,007	26.17 26.17	15,306 15,322	2.2 2.2
	REDBUD 4	719,786	331,808	-5.00%	(35,989)	423,967	26.20	16,184	2.2
	TINKER	167,151	157,707	-5.00%	(8,358)	17,802	3.00	5,938	3.5
	MCCLAIN GAS 1 MCCLAIN GAS 2	354,085 260,457	197,079 139,409	-5.00% -5.00%	(17,704) (13,023)	174,711 134,071	23.18 23.20	7,536 5,780	2.1 2.2
	FRONTIER 1	978,948	792,666	-5.00%	(48,947)	235,230	20.71	11,361	1.1
	MUSTANG CTS TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES	7,657,023 23,636,999	1,303,302 9,209,890	-5.00%	(382,851) (1,181,850)	6,736,573 15,608,958	31.56	213,481 561,487	2.3
		23,030,999	3,∠03,030		(1,101,00)	866,000,01		201,467	Z.3
43	PRIME MOVERS REDBUD 1	93,479,687	38,137,627	-5.00%	(4,673,984)	60,016,044	23.30	2,576,294	2.7
	REDBUD 2	67,426,482	6,517,884	-5.00%	(3,371,324)	64,279,923	25.28	2,542,815	3.7
	REDBUD 3	67,539,780	30,341,013	-5.00%	(3,376,989)	40,575,756	22.97	1,766,259	2.6
	REDBUD 4 HORSESHOE LAKE 9 AND 10	61,546,829 8,902,621	27,971,692 5,498,734	-5.00% -5.00%	(3,077,341) (445,131)	36,652,478 3,849,018	22.94 11.75	1,597,532 327,585	2.6 3.6
	TINKER	4,550,058	4,777,561	-5.00%	(227,503)	0	3.00	0	0.0
	MCCLAIN GAS 1	110,863,190	55,411,522	-5.00%	(5,543,160)	60,994,827	20.61	2,959,658	2.6
	MCCLAIN GAS 2 MCCLAIN STEAM 1	105,433,620 52,753,857	57,103,505 31,174,130	-5.00% -5.00%	(5,271,681) (2,637,693)	53,601,796 24,217,420	20.27 19.83	2,644,031 1,221,238	2.5
	FRONTIER 1	65,667,528	46,931,663	-5.00%	(3,283,376)	22,019,242	15.85	1,388,959	2.1
	MUSTANG CTs TOTAL PRIME MOVERS	<u>263,333,261</u> 901,496,913	47,683,503 351,548,833	-5.00%	(13,166,663) (45,074,846)	228,816,421 595,022,925	28.59	8,002,795 25,027,166	3.0
	REDBUD 2 REDBUD 3 REDBUD 4 MCCLANI GAS 1 MCCLANI GAS 2	6,096,068 13,864,899 13,998,897 5,993,168 15,798,603 15,810,675	4,487,291 10,205,897 10,304,532 4,411,547 11,629,289 11 638 175	0.00% 0.00% 0.00% 0.00% 0.00% 0.00%	0 0 0 0 0	1,608,777 3,659,002 3,694,365 1,581,621 4,169,314 4,172,500	2.50 2.50 2.50 2.50 2.50 2.50 2.50	643,511 1,463,601 1,477,746 632,648 1,667,726	10.5 10.5 10.5 10.5
	Total 6 - YR	15,810,675 71,562,310	11,638,175 52,676,731	0.00%	0	4,172,500 18,885,579	2.50	1,669,000 7,554,232	10.5 10.5
3.2	20-YEAR REDBUD 1	1,490,678	1,363,765	0.00%	0	126,913	5.50	23,075	1.5
	REDBUD 2	1,490,678	1,363,765	0.00%	ő	126,913	5.50	23,075	1.5
	REDBUD 3	1,490,678	1,363,765	0.00%	0	126,913	5.50	23,075	1.5
	REDBUD 4 Total 20-Yr	1,490,678 5,962,712	1,363,765 5,455,060	0.00%	0	126,913 507,652	5.50	23,075 92,300	1.5
3.3	30-YEAR								
	MCCLAIN GAS 1 MCCLAIN GAS 2	349,749 343,590	272,160 267.368	0.00%	0	77,589 76,222	11.50 11.50	6,747 6,628	1.9 1.9
	Total 30-YR	693,339	539,528	0.0078	ů 0	153,811	11.50	13,375	1.9
	TOTAL LTSA	78,218,361	58,671,319		0	19,547,042		7,659,907	9.7
	TOTAL ACCOUNT 343	979,715,274	410,220,152		(45,074,846)	614,569,967		32,687,072	3.3
44	GENERATORS								
	REDBUD 1 REDBUD 3	717,218	300,669	-5.00%	(35,861)	452,410	24.98	18,111	2.5 2.6
	REDBUD 3 REDBUD 4	23,199 23,035	8,658 8,597	-5.00% -5.00%	(1,160) (1,152)	15,701 15,590	25.17 25.17	624 619	2.6
	HORSESHOE LAKE 9 AND 10	36,135,688	26,258,616	-5.00%	(1,806,784)	11,683,856	12.50	935,066	2.5
	TINKER FRONTIER 1	3,366,088 8,118,041	3,163,786 6,198,140	-5.00% -5.00%	(168,304) (405,902)	370,606 2,325,803	3.00 20.99	123,535 110,817	3.0 1.3
	MUSTANG CTs	31,405,980	5,354,001	-5.00%	(1,570,299)	27,622,278	20.99	924,111	2.9
	TOTAL GENERATORS	79,789,249	41,292,468		(3,989,462)	42,486,244		2,112,883	2.6
44	GENERATORS - WIND								
	CENTENNIAL OU SPIRIT	185,423,873 237,888,863	104,962,860 113,919,093	-5.00% -5.00%	(9,271,194) (11,894,443)	89,732,207 135,864,213	12.55 15.03	7,149,157 9,042,499	3.8 3.8
	CROSSROADS	349,390,682	139,614,057	-5.00%	(17,469,534)	227,246,159	17.45	13,025,498	3.7
	TOTAL GENERATORS - WIND	772,703,418	358,496,010		(38,635,171)	452,842,579		29,217,154	3.
44	GENERATORS - SOLAR	39,650,005	6,030,438	0.00%	0	33,619,567	19.51	1,723,522	4.3
	ACCESSORY ELECTRIC EQUIPMENT								
45		13,173,539	5,849,645	-5.00%	(658,677)	7,982,571	25.88	308,434	2.3
45	REDBUD 1	9,557,253	4,349,658 4,276,678	-5.00% -5.00%	(477,863) (466,517)	5,685,457 5,520,176	25.86 25.85	219,848 213,535	2.3
45	REDBUD 2			-5.00%	(479,656)	5,695,394	25.86	220,250	2.3
45	REDBUD 2 REDBUD 3 REDBUD 4	9,330,337 9,593,118	4,377,380			1,401,932	12.72	110,192	2.2
45	REDBUD 2 REDBUD 3 REDBUD 4 HORSESHOE LAKE 9 AND 10	9,330,337 9,593,118 4,874,594	3,716,392	-5.00%	(243,730)				
345	REDBUD 2 REDBUD 3 REDBUD 4 HORSESHOE LAKE 9 AND 10 TINKER	9,330,337 9,593,118 4,874,594 3,078,637	3,716,392 3,131,897	-5.00%	(153,932)	100,671	3.00	33,557	
145	REDBUD 2 REDBUD 3 REDBUD 3 HORSESHOE LAKE 9 AND 10 TINKER MCCLAIN GAS 1 MCCLAIN GAS 2	9,330,337 9,593,118 4,874,594 3,078,637 7,224,119 6,049,899	3,716,392 3,131,897 3,415,519 3,312,275	-5.00% -5.00% -5.00%	(153,932) (361,206) (302,495)	100,671 4,169,806 3,040,119	3.00 23.10 22.95	33,557 180,512 132,441	2.5 2.1
345	REDBUD 2 REDBUD 3 REDBUD 4 HORSESHOE LAKE 9 AND 10 TINKER MCCLAIN GAS 1 MCCLAIN STEAM 1	9,330,337 9,593,118 4,874,594 3,078,637 7,224,119 6,049,899 3,740,436	3,716,392 3,131,897 3,415,519 3,312,275 2,112,285	-5.00% -5.00% -5.00% -5.00%	(153,932) (361,206) (302,495) (187,022)	100,671 4,169,806 3,040,119 1,815,172	3.00 23.10 22.95 22.90	33,557 180,512 132,441 79,250	2.5 2.1 2.1
45	REDBUD 2 REDBUD 3 REDBUD 3 HORSESHOE LAKE 9 AND 10 TINKER MCCLAIN GAS 1 MCCLAIN GAS 2	9,330,337 9,593,118 4,874,594 3,078,637 7,224,119 6,049,899	3,716,392 3,131,897 3,415,519 3,312,275	-5.00% -5.00% -5.00%	(153,932) (361,206) (302,495)	100,671 4,169,806 3,040,119	3.00 23.10 22.95	33,557 180,512 132,441	2.5 2.1 2.1 1.4
345	REDBUD 2 REDBUD 3 REDBUD 3 HORSESHOE LAKE 9 AND 10 TINKER MCCLAIN GAS 1 MCCLAIN GAS 2 MCCLAIN STEAM 1 FRONTIER 1	9,330,337 9,593,118 4,874,594 3,078,637 7,224,119 6,049,899 3,740,436 7,857,363	3,716,392 3,131,897 3,415,519 3,312,275 2,112,285 5,708,790	-5.00% -5.00% -5.00% -5.00% -5.00%	(153,932) (361,206) (302,495) (187,022) (392,868)	100,671 4,169,806 3,040,119 1,815,172 2,541,441	3.00 23.10 22.95 22.90 22.62	33,557 180,512 132,441 79,250 112,347	2.5 2.1 2.1 1.4 2.8
	REDBUD 2 REDBUD 3 REDBUD 4 HORSESHOE LAKE 9 AND 10 TINKER MCCLAIN GAS 1 MCCLAIN GAS 2 MCCLAIN STEAM 1 FRONTIER 1 MUSTANG CTs	9,330,337 9,593,118 4,874,594 3,078,637 7,224,119 6,049,859 3,740,436 7,857,363 25,263,658	3,716,392 3,131,897 3,415,519 3,312,275 2,112,285 5,708,790 4,454,195	-5.00% -5.00% -5.00% -5.00% -5.00%	(153,932) (361,206) (302,495) (187,022) (392,868) (1,263,183)	100,671 4,169,806 3,040,119 1,815,172 2,541,441 22,072,646	3.00 23.10 22.95 22.90 22.62	33,557 180,512 132,441 79,250 112,347 709,672	2.5 2.1 2.1 1.4 2.8
	REDBUD 2 REDBUD 3 REDBUD 3 HORSESHOE LAKE 9 AND 10 TINKER MCCLAIN GAS 1 MCCLAIN GAS 2 MCCLAIN STEAM 1 FRONTIER 1 MUSTANG CTS TOTAL ACCESSORY ELECTRIC EQUIPMENT ACCESSORY ELECTRIC EQUIPMENT - WIND CENTENIAL	9.330,337 9.533,118 4.874,594 3.078,637 7.224,119 6,049,899 3.740,436 7.857,363 25,263,658 99,742,953	3,716,392 3,131,897 3,415,519 3,312,275 2,112,285 5,708,790 4,454,195 44,704,714	-5.00% -5.00% -5.00% -5.00% -5.00% -5.00%	(153,932) (361,206) (302,495) (187,022) (392,868) (1,263,183) (4,987,148) (116,242)	100,671 4,169,806 3,040,119 1,815,172 2,541,441 22,072,646 60,025,387	3.00 23.10 22.95 22.90 22.62 31.10	33,557 180,512 132,441 79,250 112,347 709,672 2,320,037 136,592	2.5 2.1 2.1 1.4 <u>2.8</u> 2.3 5.8
	REDBUD 2 REDBUD 3 REDBUD 3 REDBUD 4 HORSESHOE LAKE 9 AND 10 THKER MCCLAIN GAS 1 MCCLAIN GAS 2 MCCLAIN STEAM 1 FRONTIER 1 MUSTANG CTS TOTAL ACCESSORY ELECTRIC EQUIPMENT ACCESSORY ELECTRIC EQUIPMENT - WIND	9,330,337 9,533,118 4,874,594 3,078,637 7,224,119 6,049,899 3,740,436 7,857,363 25,263,658 99,742,953	3,716,392 3,131,897 3,415,519 3,312,275 2,112,285 5,708,790 4,454,195 44,704,714	-5.00% -5.00% -5.00% -5.00% -5.00% -5.00%	(153,932) (361,206) (302,495) (187,022) (392,868) (1,263,183) (4,987,148)	100,671 4,169,806 3,040,119 1,815,172 2,541,441 22,072,646 60,025,387	3.00 23.10 22.95 22.90 22.62 31.10	33,557 180,512 132,441 79,250 112,347 709,672 2,320,037	1.0 2.5 2.1 1.4 2.8 2.3 5.8 5.6 4.0

Exhibit BCA-12 Page 3 of 3

OKLAHOMA GAS AND ELECTRIC COMPANY

COMPUTATION OF FEA PROPOSED ANNUAL DEPRECIATION ACCRUAL AMOUNTS AND RATES RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2022

PRODUCTION AND OTHER PRODUCTION REALLOCATED WITHIN EACH GROUP ALL FUNCTIONS REALLOCATED WITHIN EACH GROUP TRANSMISSION, DISTRIBUTION, AND GENERAL RESERVE PER BOOK

346 MISCE RE RE 346 MISCE OC CE 350.2 LAND 350.0 STRUE 350.0 STRUE 360.2 LAND 360.2 STATO 360.0 UNDEI 360.0 STRUE 370.0 METE'	(1) ESSORY ELECTRIC EQUIPMENT - SOLAR SELLANEOUS POWER PLANT EQUIPMENT SEDBUD 1 SEDBUD 2 SEDBUD 3 SEDBUD 4 SEDBUD 4 SE	(2) 9.653,560 2.774,340 18,098 13,800 20,045 1,033,095 61,581 5.279,3450 5.279,3450 5.279,3450 5.279,3450 5.279,3450 5.279,3450 5.279,3450 5.279,3450 5.2592 2,107,246 2,212,048,754	(3) 1,233,932 1,175,800 8,682 3,551 6,139 833,176 27,693 33,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751 650,375	(4) 0.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -3.00%	(5) = (2) x (4) 0 (138,717) (905) (6905) (6905) (1,022) (51,855) (3,079) (264,961) (264,961) (385,239) (1,145,021)	(6) = (2) - (3) - (5) 8,419,628 1,737,257 10,321 10,339 14,908 251,574 36,967 2,763,029 1,709,347 3,689,456	(7) 20.96 16.15 15.30 18.69 18.15 8.48 3.00 12.94 10.61	(8) = (6)/(7) 401,710 107,581 675 585 821 29,663 12,322 213,582 213,582	(9) = (8)/(2) 4.16% 3.88% 3.73% 4.24% 4.10% 2.87% 20.01% 2.57%
346 MISCE RE RE 346 MISCE GE OC 350.2 LAND 350.0 STRUE 350.0 STRUE 350.0 STRUE 360.2 STATIO 361.0 STRUE 362.0 STATIO 363.0 UNDEI 364.0 PUES 365.0 OVER 366.0 UNDEI 360.0 STRUE 370.0 METE' 371.0 INSTAI 371.0 STREE	ELLANEOUS POWER PLANT EQUIPMENT IEDBUD 2 IEDBUD 2 IEDBUD 3 IEDBUD 4 IORSESHOE LAKE 9 AND 10 INKER ICCLAIN CAS 1 RONTIER 1 IUSTANG CTS IL MISCELLANEOUS POWER PLANT EQUIPMENT IUSTANG CTS IL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND IENTENNIAL UJ SPIRIT IRCOSSROADS IL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND ALL OTHER PRODUCTION PLANT INSIGNTS ISTORES AND IMPROVEMENTS ICTURES INTERNAL I	2,774,340 18,098 13,800 20,045 16,181 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	1,175,800 8,682 3,551 6,139 833,176 27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,318 124,290 138,751	-5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00%	(138,717) (905) (690) (1,002) (51,655) (3,079) (264,961) (385,239)	1,737,257 10,321 10,939 14,908 251,574 36,967 2,763,029 1,709,347 3,689,456	16.15 15.30 18.69 18.15 8.48 3.00 12.94	107,581 675 585 821 29,663 12,322 213,582	3.88% 3.73% 4.24% 4.10% 2.87% 20.01%
346 MISCE 7014 MISCE 346 MISCE 7014 TANIS 350.2 LAND 350.2 LAND 350.2 LAND 350.2 STRUC 350.2 LAND 350.2 LAND 350.3 STATIC 350.4 MIDER 350.0 VIDER 350.0 STRUC 350.0 STRUC 350.0 STRUC 350.0 VIDER 350.0 VIDER 350.0 VIDER 360.0 VIDER 360.0 STRUC 360.0 VIDER 370.0 METER 371.0 INSTAI 371.0 STREE 389.2 LAN	IEDBUD 1 IEDBUD 2 IEDBUD 2 IEDBUD 4 IEDBUD	18,098 13,800 20,045 1,033,095 61,581 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	8,682 3,551 6,139 833,176 27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751	-5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00%	(905) (690) (1,002) (51,655) (3,079) (298,773) (264,961) (385,239)	10,321 10,939 14,908 251,574 36,967 2,763,029 1,709,347 3,689,456	15.30 18.69 18.15 8.48 3.00 12.94	675 585 821 29,663 12,322 213,582	3.73% 4.24% 4.10% 2.87% 20.01%
346 REE 70741 RE 346 MISCE 000 CR 346 MISCE 01 CR 346 MISCE 01 CR 346 MISCE 01 CR 352.0 STATU 352.0 STATU 352.0 STATU 352.0 STATU 353.0 UNDEI 360.0 OVERI 360.2 LAND 360.0 STRUC 360.0 STRUC 360.0 UNDEI 360.0 STRUC 360.0 UNDEI 360.0 STRUC 360.0 UNDEI 360.0 UNDEI 360.0 STRUC 360.0 UNDEI 360.0 STRUC 360.0 STRUC 360.0 STRUC 360.0 STRUC 360.0 STRUC	IEDBID 2 IEDBID 3 IEDBID 4 IORSESHOE LAKE 9 AND 10 INKER INKER INKER INSTANG CTS L MISCELLANEOUS POWER PLANT EQUIPMENT INSTANG CTS L MISCELLANEOUS POWER PLANT EQUIPMENT - WIND ISTRIT IROSSRADS AL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT INSTANSION PLANT ISTRISTIC JCTURES AND IMPROVEMENTS ION EQUIPMENT	18,098 13,800 20,045 1,033,095 61,581 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	8,682 3,551 6,139 833,176 27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751	-5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00%	(905) (690) (1,002) (51,655) (3,079) (298,773) (264,961) (385,239)	10,321 10,939 14,908 251,574 36,967 2,763,029 1,709,347 3,689,456	15.30 18.69 18.15 8.48 3.00 12.94	675 585 821 29,663 12,322 213,582	3.73% 4.24% 4.10% 2.87% 20.01%
REE REE REE REE REE REE HIG TOTAL 346 MISCE CC CC TOTAL TOTAL 346 MISCE S50.2 STRUC 350.2 LAND 350.0 STRUC 350.0 STRUC 350.0 STRUC 350.0 VIDEI 350.0 VIDEI 350.0 STATIG 361.0 STRUC 362.0 UNDEI 363.0 STRUC 364.0 POLES 370.0 METEI 371.0 INSTAI 371.0 STRUC 371.0 STRUC <td>LEDBUD 3 LEDBUD 4 LORRESHOE LAKE 9 AND 10 INKER (CCLAIN GAS 1 RONTIER 1 UISTANG CTs LUISTANG CTs LUISTANG CTs LUISCELLANEOUS POWER PLANT EQUIPMENT - WIND ENTENNIAL U SPIRIT ROSSROADS LUISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT NISMISSION PLANT SRIGSTS JCTURES AND IMPROVEMENTS TON EGUIPMENT</td> <td>13,800 20,045 1,033,095 61,581 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246</td> <td>3,551 6,139 833,176 27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751</td> <td>-5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00%</td> <td>(690) (1,002) (51,655) (3,079) (298,773) (264,961) (385,239)</td> <td>10,939 14,908 251,574 36,967 2,763,029 1,709,347 3,689,456</td> <td>18.69 18.15 8.48 3.00 12.94</td> <td>585 821 29,663 12,322 213,582</td> <td>4.24% 4.10% 2.87% 20.01%</td>	LEDBUD 3 LEDBUD 4 LORRESHOE LAKE 9 AND 10 INKER (CCLAIN GAS 1 RONTIER 1 UISTANG CTs LUISTANG CTs LUISTANG CTs LUISCELLANEOUS POWER PLANT EQUIPMENT - WIND ENTENNIAL U SPIRIT ROSSROADS LUISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT NISMISSION PLANT SRIGSTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	13,800 20,045 1,033,095 61,581 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	3,551 6,139 833,176 27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751	-5.00% -5.00% -5.00% -5.00% -5.00% -5.00% -5.00%	(690) (1,002) (51,655) (3,079) (298,773) (264,961) (385,239)	10,939 14,908 251,574 36,967 2,763,029 1,709,347 3,689,456	18.69 18.15 8.48 3.00 12.94	585 821 29,663 12,322 213,582	4.24% 4.10% 2.87% 20.01%
346 HSC 346 MISCE 346 MISCE 0 C 0 C 0 C 352.0 STATU 352.0 STATU 352.0 STATU 352.0 STATU 352.0 STATU 352.0 STATU 353.0 UNDEI 350.0 UNDEI 360.2 LAND 360.2 STATU 360.0 STRUC 360.0 STRUC 360.0 UNDEI 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 389.2 LAND <td>IEOBUD 4 IORSEGHOE LAKE 9 AND 10 INKER IORSEGHOE LAKE 9 AND 10 INKER IORSEGHOE LAKE 9 AND 10 INKER IORSEGHOE LAKE 9 AND 10 INKER 1 INKER 10 INKER 10 INKER 10 INKER</td> <td>20,045 1,033,095 61,581 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246</td> <td>6,139 833,176 27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751</td> <td>-5.00% -5.00% -5.00% -5.00% -5.00%</td> <td>(1,002) (51,655) (3,079) (298,773) (264,961) (385,239)</td> <td>14,908 251,574 36,967 2,763,029 1,709,347 3,689,456</td> <td>18.15 8.48 3.00 12.94</td> <td>821 29,663 12,322 213,582</td> <td>4.10% 2.87% 20.01%</td>	IEOBUD 4 IORSEGHOE LAKE 9 AND 10 INKER IORSEGHOE LAKE 9 AND 10 INKER IORSEGHOE LAKE 9 AND 10 INKER IORSEGHOE LAKE 9 AND 10 INKER 1 INKER 10 INKER 10 INKER 10 INKER	20,045 1,033,095 61,581 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	6,139 833,176 27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751	-5.00% -5.00% -5.00% -5.00% -5.00%	(1,002) (51,655) (3,079) (298,773) (264,961) (385,239)	14,908 251,574 36,967 2,763,029 1,709,347 3,689,456	18.15 8.48 3.00 12.94	821 29,663 12,322 213,582	4.10% 2.87% 20.01%
HICK HICK	IORSESHOE LAKE 9 AND 10 INKER INCLAIN GAS 1 RONTIRE 1 IUSTANG CTS LL MISCELLANEOUS POWER PLANT EQUIPMENT VISTANG CTS LELLANEOUS POWER PLANT EQUIPMENT - WIND VISTENTENNAL DU SPIRIT LU MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT SUBSION PLANT DO RIGHTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	61,581 5,975,450 5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	27,693 3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751	-5.00% -5.00% -5.00%	(51,655) (3,079) (298,773) (264,961) (385,239)	36,967 2,763,029 1,709,347 3,689,456	3.00 12.94	12,322 213,582	20.01%
MIL 346 MISCE 346 MISCE 0 CE 0 CR TOTAL TOTAL 350.2 LAND 352.0 STRUK 352.0 STRUK 350.0 VIATIONAL 355.0 OUER 356.0 OVER 356.0 OVER 360.2 LAND 361.0 STRUK 362.0 STATH 360.1 STRUK 360.0 STATH 361.0 STRUK 362.0 LAND 363.0 STORI 364.0 OVER 365.0 OVER 366.0 UNDEI 360.0 SERVI 360.0 SERVI 370.0 METEI 371.0 INSTA 371.0 STREE 389.2 LAND	ICCLAIN GAS 1 RONTIER 1 UISTANG CTS LL MISCULANEOUS POWER PLANT EQUIPMENT LLLANEOUS POWER PLANT EQUIPMENT - WIND LELANEOUS POWER PLANT EQUIPMENT - WIND VISPIRIT ROSSROADS LL MISCULANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT SSMISSION PLANT D RIGHTS D RIGHTS JCTURES AND IMPROVEMENTS TON EQUIPMENT	5.975,450 5.299,221 7.704,785 22,900,415 885,860 658,794 562,592 2,107,246	3,511,194 3,854,836 4,400,568 13,821,639 386,316 124,290 139,751	-5.00% -5.00% -5.00%	(298,773) (264,961) (385,239)	2,763,029 1,709,347 3,689,456	12.94	213,582	
346 MICC 346 MISCE 0L CE 0L CE 350.2 LAND 352.0 STRUC 352.0 STRUC 352.0 STRUC 352.0 STRUC 352.0 STATU 352.0 STATU 352.0 STATU 352.0 STATU 352.0 STATU 360.2 LAND 360.2 LAND 360.0 UNDEI 360.0 STRUC 360.0 STRUC 360.0 STRUC 360.0 UNDEI 360.0 UNDEI 360.0 STRUC 360.0 UNDEI 360.0 UNDEI 360.0 STRUC 360.0 UNDEI 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 STRUE 389.2 LAN	RONTIRE 1 UISTANG CTS AL MISCELLANEOUS POWER PLANT EQUIPMENT VELLANEOUS POWER PLANT EQUIPMENT - WIND VENTENNIAL UJ SPIRIT RROSSROADS AL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT NSMISSION PLANT NGMTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	5,299,221 7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	3,854,836 4,400,568 13,821,639 386,316 124,290 139,751	-5.00% -5.00%	(264,961) (385,239)	1,709,347 3,689,456			
MIL TOTAL 346 MISCE CE OL CR TOTAL TOTAL 550.2 LAND 350.0 STATIC 350.0 VUER 350.0 VUER 350.0 VUER 350.0 VUER 360.0 STATIC 360.0 STATIC 371.0 STATIC 371.0 STREE 371.0 STREE 371.0 STREE 389.2 LAND	NUSTANG CTS NL MISCELLANEOUS POWER PLANT EQUIPMENT IELLANEOUS POWER PLANT EQUIPMENT - WIND IELLANEOUS POWER PLANT EQUIPMENT - WIND NU SPRIT INSOCELANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT INSISSION PLANT D RIGHTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	7,704,785 22,900,415 885,860 658,794 562,592 2,107,246	4,400,568 13,821,639 386,316 124,290 139,751	-5.00%	(385,239)	3,689,456	10.01	161.098	3.57% 3.04%
TOTAL 346 MISCE CE OL CR TOTAL 350.2 CAND 352.0 STRUC 352.0 STAUC 352.0 STAUC 352.0 STAUC 360.2 LAND 361.0 STRUC 360.0 UNDEI 360.0 STRUC 360.0 STRUC 360.0 UNDEI 360.0 STRUC 360.0 UNDEI 360.0 UNDEI 360.0 STRUC 360.0 STRUC 360.0 STRUC 370.0 METEI 371.0 INSTAI 371.0 STRUC 371.0 STRUC 389.2 LAND	AL MISCELLANEOUS POWER PLANT EQUIPMENT ELLANEOUS POWER PLANT EQUIPMENT - WIND ENTENNIAL U SPIRIT IROSSROADS LA MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT NSMISSION PLANT D RIGHTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	22,900,415 885,860 658,794 562,592 2,107,246	13,821,639 386,316 124,290 139,751				13.65	270,231	3.04%
CEC CONTRACT	ENTENNIAL UN SPRIT RROSSROADS AL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT NSMISSION PLANT S RIGHTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	658,794 562,592 2,107,246	124,290 139,751	-3.00%		10,223,797	10.00	796,559	3.48%
CEC CONTRACT	ENTENNIAL UN SPRIT RROSSROADS AL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT NSMISSION PLANT S RIGHTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	658,794 562,592 2,107,246	124,290 139,751	-3.00%					
CFR TOTAL TOTAL 352.0 STRUC 353.0 STATIC 354.0 TOWER 355.0 POLES 356.0 OVER 355.0 UNDEL 355.0 OVER 355.0 OVER 355.0 OVER 355.0 OVER 360.2 LAND 361.0 STRUC 362.0 STATIC 362.0 STATIC 363.0 STATIC 363.0 STATIC 365.0 OVER 365.0 UNDEL 365.0 OVER 365.0 OVER 365.0 OVER 365.0 OVER 365.0 STATIC 365.0 STATIC 365.0 STATIC 365.0 STATIC 365.0 STATIC 365.0 STATIC 365.0 STATIC 365.0 STATIC 365.0 STATIC 365.0 STATIC 371.0 INSTAL 371.0 INSTAL 371.	RROSSRADS AL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT NSMISSION PLANT S RIGHTS JCTURES AND IMPROVEMENTS TON EQUIPMENT	<u>562,592</u> 2,107,246	139,751		(26,576)	526,120	11.43	46,045	5.20%
TOTAL TANN 352.2 352.2 STRUC 353.2 STRUC 353.0 STATU 355.0 POLES 356.0 OVER 356.0 OVER 356.0 OVER 361.0 STRUC 361.0 STRUC 362.2 LAND 361.0 STRUC 362.0 STATK 363.0 STOR 364.0 POLES 365.0 OVER 366.0 UNDEI 366.0 UNDEI 366.0 STOR 366.0 UNDEI 370.0 METEI 371.0 STREE 371.0 INSTAI 371.0 STREE 389.2 LAND	AL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND AL OTHER PRODUCTION PLANT ISMISSION PLANT D RIGHTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	2,107,246		-3.00%	(19,764)	554,268	14.57	38,030	5.77%
TOTAI 350.2 LAND 352.0 STATU 354.0 STATU 355.0 POLES 356.0 OVER 350.0 VINTU 360.0 VERU 360.2 LAND 361.0 STRUC 362.0 STATU 363.0 OVER 364.0 POLES 365.0 OVER 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 370.0 METEI 371.0 INSTAI	AL OTHER PRODUCTION PLANT NSMISSION PLANT ORIGHTS JCTURES AND IMPROVEMENTS TON EQUIPMENT		000,007	-3.00%	(16,878)	439,719	15.73	27,951 112.026	4.97%
TRANS 350.2 LAND 352.0 STRUC 353.0 STATU 354.0 TOWE 356.0 OVERI 360.0 VERI 360.2 LAND 360.2 LAND 360.2 STATU 360.2 STATU 360.0 VERI 360.0 VERI 360.0 STRUC 360.0 VIDEI 360.0 VIDEI 360.0 VIDEI 360.0 VERI 360.0 VIDEI 360.0 VIDEI 360.0 VIDEI 360.0 VIDEI 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 389.2 LAND	NSMISSION PLANT) RIGHTS JCTURES AND IMPROVEMENTS TON EGUIPMENT	2,212,048,754			(63,217)	1,520,107			5.32%
350.2 LAND 352.0 STRUC 352.0 STATUC 354.0 TOWE 356.0 OVER 356.0 UNDEI DISTR 360.2 LAND 361.0 STRUC 362.0 STATU 362.0 STATU 362.0 STATU 362.0 STATU 362.0 STATU 364.0 POLES 365.0 OVERI 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 371.0 LAND 389.2 LAND	D RIGHTS JCTURES AND IMPROVEMENTS TON EQUIPMENT		952,835,459		(104,049,690)	1,363,262,985		76,142,411	3.44%
352.0 STRUC 353.0 STATU 354.0 TOWE 355.0 POLES 356.0 OVER 356.0 OVER 356.0 OVER 356.0 UNDE 356.0 UNDE 361.0 STRUC 362.2 LAND 363.0 STORD 364.0 POLES 365.0 OVER 366.0 UNDE 366.0 UNDE 366.0 UNDE 366.0 UNDE 366.0 UNDE 366.0 UNDE 367.0 METER 370.0 METER 371.0 INSTA 371.0 INSTA 389.2 LAND 389.2 LAND	JCTURES AND IMPROVEMENTS TION EQUIPMENT	131,963,405	26.357.019	0.00%	0	105.606.386	67.83	1.556.863	1.18%
353.0 STATU 354.0 TOWE 355.0 POLES 356.0 OVER 356.0 UNDEI TOTAI 360.2 LAND 361.0 STRUC 360.2 LAND 361.0 STRUC 362.0 STATU 363.0 STRUC 365.0 OVERI 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 STRUC 366.0 STRUC 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 389.2 LAND	TION EQUIPMENT	131,963,405 9,042,721	26,357,019 2,184,920	-10.00%	0 (904,272)	105,606,386 7,762,073	67.83 60.83	1,556,863 127,611	1.18% 1.41%
354.0 TOWE 355.0 POLES 356.0 OVERI 356.0 UNDEI 358.0 UNDEI 0137 DISTR 360.2 LAND 361.0 STRUC 362.0 STATI 363.0 STORT 364.0 POLES 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 SERVI METEF TOTAL 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 389.2 LAND 389.2 LAND		954,383,732	202,724,022	-20.00%	(190,876,746)	942,536,456	47.48	19.851.035	2.08%
356.0 OVER 358.0 UNDEI TOTAL DISTR CLAND 361.0 STRUC 360.2 LAND 361.0 STRUC 362.0 STATI 363.0 STORT 364.0 POLES 365.0 OVER 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 SERVI 366.0 SERVI 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 389.2 LAND 389.2 LAND	ENG AND FIATURES	173,271,523	60,653,413	-20.00%	(34,654,305)	147,272,414	54.02	2,726,420	1.57%
356.0 UNDEI DISTR 360.2 LAND 361.0 STRU(362.0 STATIC 363.0 STOR 364.0 POLES 365.0 OVERI 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 SIERVI 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 371.0 LINSTAI 370.0 STREE 371.0 LINSTAI 373.0 STREE 374.0 STREE 375.0 STREE	ES AND FIXTURES	1,117,698,049	284,310,845	-65.00%	(726,503,732)	1,559,890,936	67.89	22,975,655	2.06%
DISTR 361.0 STRUC 363.0 STRUC 363.0 STATIC 363.0 STATIC 363.0 STORY 365.0 OVER 366.0 UNDEI 367.0 UNDEI 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 367.0 METEI 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 373.0 STEREI TOTAL SERVI	RHEAD CONDUCTORS AND DEVICES ERGROUND CONDUCTORS AND DEVICES	693.683.857 110.494	234,327,621 112,091	-55.00% 0.00%	(381,526,121) 0	840,882,358 (1,597)	60.31 6.76	13,942,116 (236)	2.01% 0.00%
DISTR 360.2 LAND 361.0 STRUG 362.0 STATI 363.0 STORY 364.0 POLES 365.0 OVER 367.0 UNDEI 369.0 SERVI 369.0 SERVI 370.0 METEI 371.0 INSTA 371.0 INSTA 373.0 STREE TOTAL GENEI 389.2 LAND	AL TRANSMISSION PLANT	3,080,153,781	810,669,931		(1,334,465,176)	3,603,949,026		61,179,465	1.99%
360.2 LAND 361.0 STRUC 362.0 STRUC 363.0 STORUC 364.0 POLES 365.0 OVER 367.0 UNDEI 367.0 UNDEI 367.0 METEH 370.0 METEH 370.1 METEH 371.0 INSTAI 371.0 INSTAI 373.0 STREE TOTAL STREE 389.2 LAND			01010001001		(1100-11100(1110)	0100010401020		0111101400	
361.0 STRUC, 362.0 STATK 362.0 STATK 363.0 STOR, 364.0 POLES 366.0 UNDEI 366.0 UNDEI 366.0 UNDEI 368.0 LINET 370.0 METEI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 371.0 INSTAI 389.2 LAND	RIBUTION PLANT	6,459,925	1,856,485	0.00%	0	4,603,440	64.28	71,613	1.11%
362.0 STATIC 363.0 STOR 364.0 POLES 365.0 OVER 366.0 UNDEI 367.0 UNDEI 369.0 SERVI 370.0 METEI 370.1 METEI 371.0 INSTAI 373.0 STREE TOTAL GENEI 389.2 LAND	JCTURES AND IMPROVEMENTS	7.971.930	2,384,771	-10.00%	(797,193)	6,384,352	52.94	120,585	1.51%
364.0 POLES 365.0 OVERI 365.0 UNDEI 367.0 UNDEI 367.0 UNDEI 370.0 METEI 370.1 METEI 370.1 METEI 370.1 METEI 370.1 INSTAI 373.0 STREE TOTAL 371.0 INSTAI 373.0 STREE TOTAL 389.2 LAND	TION EQUIPMENT	877,615,427	199,661,000	-35.00%	(307,165,399)	985,119,827	52.49	18,768,255	2.14%
365.0 OVER 366.0 UNDE 367.0 UNDE 367.0 UNDE 368.0 LINE T 369.0 SERVI 370.0 ME 370.0 ME 371.0 INSTAL 371.0 INSTAL 371.0 INSTAL 371.0 STREE TOTAL 389.2 LAND	RAGE BATTERY	851,046	173,818	0.00%	0	677,228	11.52	58,780	6.91%
366.0 UNDEI 367.0 UNDEI 368.0 LINE T 368.0 LINE T 370.0 METET 370.1 ME 370.1 INSTAI 371.0 INSTAI 373.0 STREE TOTAL GENEI 389.2 LAND	ES, TOWERS AND FIXTURES	786,956,009 1.101.396.821	304,180,726 231,506,879	-65.00% -55.00%	(511,521,406) (605,768,252)	994,296,689 1.475,658,194	47.92 57.36	20,748,058 25,727,085	2.64% 2.34%
367.0 UNDEI 368.0 LINE T 369.0 SERVI 370.0 METE/ 370.1 ME TOTAL 371.0 INSTAI 373.0 STREE TOTAI 389.2 LAND	RHEAD CONDUCTORS AND DEVICES ERGROUND CONDUIT	335,409,588	88,577,525	-25.00%	(83,852,397)	330,684,460	53.10	6,227,440	2.34%
368.0 LINE T 369.0 SERVI 370.0 METEI 370.1 METEI 370.1 METEI 371.0 INSTAI 373.0 STREE GENEI 389.2 LAND	ERGROUND CONDUCTORS AND DEVICES	971,654,868	280,382,265	-55.00%	(534,410,177)	1,225,682,780	45.96	26,665,804	2.74%
METEF 370.0 ME 370.1 ME TOTAL 371.0 INSTA 373.0 STREE TOTAI 389.2 LAND	TRANSFORMERS	670,460,796	128,190,027	-65.00%	(435,799,517)	978,070,286	40.18	24,339,329	3.63%
370.0 ME 370.1 ME TOTAL 371.0 INSTAI 373.0 STREE TOTAI 389.2 LAND	VICES	266,118,193	149,026,905	-35.00%	(93,141,368)	210,232,656	45.47	4,623,710	1.74%
370.1 ME TOTAL 371.0 INSTAI 373.0 STREE TOTAI 389.2 LAND	ERS	404 004 000	00 700 040	10.000/	(40,400,400)	400.007.074	7.50	11 500 510	7 000/
TOTAL 371.0 INSTAL 373.0 STREE TOTAL GENEI 389.2 LAND	IETERS - SMART METERS IETERS - METERING EQUIPMENT	184,961,833 39,490,060	93,760,342 26,311,722	-10.00% -10.00%	(18,496,183) (3,949,006)	109,697,674 17,127,344	7.52 21.22	14,596,513 807,233	7.89% 2.04%
371.0 INSTAI 373.0 STREE TOTAI 389.2 LAND	AL METERS	224,451,893	120.072.064	-10.00%	(22,445,189)	126,825,019	21.22	15,403,746	6.86%
373.0 STREE TOTAL GENEL 389.2 LAND									
TOTAI GENE 389.2 LAND	ALLATIONS ON CUSTOMERS' PREMISES EET LIGHTING AND SIGNAL SYSTEMS	57,414,311 316,836,035	42,421,298 47,184,922	0.00% -55.00%	0 (174,259,819)	14,993,013 443,910,932	6.45 26.18	2,324,969 16,957,364	4.05% 5.35%
GENE 389.2 LAND									
389.2 LAND	AL DISTRIBUTION PLANT	5,623,596,842	1,595,618,685		(2,769,160,718)	6,797,138,875		162,036,739	2.88%
		178.598	88.692	0.00%	0	89.906	23.96	3.753	2.10%
	JCTURES AND IMPROVEMENTS	228,678,766	64,711,425	-5.00%	(11,433,938)	89,906 175,401,279	23.96 39.49	3,753 4,441,385	2.10%
0FFIC 391.0 OF	CE FURNITURE AND EQUIPMENT DFFICE FURNITURE AND EQUIPMENT	19.379.183	5.810.415	0.00%	0	13,568,767	6.95	1.951.594	10.07%
	COMPUTER EQUIPMENT	74,525,311	5,810,415 42,563,446	0.00%	0	31,961,865	2.19	1,951,594 14,591,706	10.07% 19.58%
	AL OFFICE AND FURNITURE EQUIPMENT	93,904,494	48,373,862	0.0070	0	45,530,632	2.10	16,543,300	17.62%
					0				
	SPORTATION EQUIPMENT	27,059,844	14,972,932	10.00% 10.00%	2,705,984	9,380,928	4.97	1,887,734	6.98%
	ARS AND TRUCKS	78,137,483 10,015,704	32,340,212 3,582,039	10.00%	7,813,748	37,983,523 5,432,095	8.05 17.91	4,720,062	6.04% 3.03%
		115,213,031	50,895,183	10.0076	11,521,303	52,796,545	11.01	6,911,115	6.00%
393.0 STORE	EARS AND TRUCKS IEAVY TRUCKS	4 400 000	208,600	0.00%	0	989,489	16.95	58,387	4.87%
	ARS AND TRUCKS REAVY TRUCKS RAILERS AL TRANSPORTATION EQUIPMENT		5,855,631	0.00%	0	22,964,246	18.79	1,222,160	4.24%
395.0 LABOF	XARS AND TRUCKS IEAVY TRUCKS 'RAILERS	1,198,089 28,819,877	4,348,664	0.00%	0	6,961,399	9.64	722,112	6.38%
	ARS AND TRUCKS IEAVY TRUCKS RAILERS LI TRANSPORTATION EQUIPMENT RES EQUIPMENT LS, SHOP AND GARAGE EQUIPMENT PRATORY EQUIPMENT	28,819,877 11,310,063	6,536,704	15.00%	2,438,407	7,280,936	9.88	737,212	4.54%
	ARS AND TRUCKS IEAVY TRUCKS RALERS AL TRANSPORTATION EQUIPMENT RES EQUIPMENT S. SHOP AND GARAGE EQUIPMENT DRATORY EQUIPMENT	28,819,877 11,310,063 16,256,047				14.807.917	4.17	3,547,456	10.27% 4.42%
	ARS AND TRUCKS IEAVY TRUCKS RAILERS LI TRANSPORTATION EQUIPMENT RES EQUIPMENT IS, SHOP AND GARAGE EQUIPMENT DRATORY EQUIPMENT TER OPERATED EQUIPMENT MUNICATION EQUIPMENT	28,819,877 11,310,063 16,256,047 34,537,031	19,729,114	0.00%	0				4 47%
ΤΟΤΑΙ	ARS AND TRUCKS RAILERS RAILERS LI TRANSPORTATION EQUIPMENT RES EQUIPMENT S. SHOP AND GARAGE EQUIPMENT PRATORY EQUIPMENT 'ER OPERATED EQUIPMENT WUNICATION EQUIPMENT 'ELLANEOUS EQUIPMENT	28,819,877 11,310,063 16,256,047 34,537,031 12,469,947	4,862,439	0.00% 0.00%	0	7,607,508	13.80	551,169	
ΤΟΤΑΙ	ARS AND TRUCKS IEAVY TRUCKS RAILERS LI TRANSPORTATION EQUIPMENT RES EQUIPMENT IS, SHOP AND GARAGE EQUIPMENT DRATORY EQUIPMENT TER OPERATED EQUIPMENT MUNICATION EQUIPMENT	28,819,877 11,310,063 16,256,047 34,537,031						551,169 34,738,050	6.40%

NOTES: 1) ACCOUNTS BELOW WILL HAVE THE FOLLOWING RATES .

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303.4 MISCELLANEOUS INTANGIBLE PLANT - SAP 54 SOFTWARE 311-316 NEW UNITS AT HORSESHOE LAKE ARE PROJECTED TO HAVE A RATE OF 358 WHEN PLANT IS ADDED WHERE THE PLANT BALANCE IS GREATER THAN ACCUMULATED DEPRECIATION PROPOSED RATE IS 6.67% 3.00% 2.22%

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OKLAHOMA GAS AND ELECTRIC COMPANY

COMPARISON OF OG&E AND FEA PROPOSED ANNUAL DEPRECIATION ACCRUAL AMOUNTS AND RATES RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2022 PRODUCTION AND OTHER PRODUCTION RESERVE REALLOCATED WITHIN GROUP TRANSMISSION, DISTRIBUTION, AND GENERAL RESERVE PER BOOK

	Account	Plant Balance	Current O Rate	klahoma Accrual Amount	OG&E Prop Rate	osed Accrual Amount	Difference	FEA Propo Rate	Amount	Difference
	(1)	(2)	(3)	(4) = (2) x (3)	(5)	(6) = (2) x (5)	(7) = (6) - (4)	(8)	(9) = (2) x (8)	(10) = (9) - (6)
	INTANGIBLE PLANT									
302	FRANCHISES AND CONSENTS	1,551,188	4.48%	69,493	4.28%	66,413	(3,081)	4.28%	66,413	
03.1	MISCELLANEOUS INTANGIBLE PLANT - SOFTWARE - 5-YEAR	113,907,272	15.87%	18,077,084	20.70%	23,579,985	5,502,901	20.70%	23,579,985	
)3.2	MISCELLANEOUS INTANGIBLE PLANT - SOFTWARE - 10-YEAR									
	FULLY DEPRECIATED	73,273,842	7.070/	40.000 540	10.100/	45 450 700		40.400/	45 450 700	
	AMORTIZED TOTAL SOFTWARE - 10-YEAR	148,826,972 222,100,814	7.37%	10,968,548 10,968,548	10.18%	15,153,799 15,153,799	4,185,251 4,185,251	10.18%	15,153,799 15,153,799	-
		222,100,014		10,000,010		10,100,700	1,100,201		10,100,700	
	TOTAL INTANGIBLE PLANT	337,559,274	8.63%	29,115,125	11.49%	38,800,197	9,685,072	11.49%	38,800,197	(
	STEAM PRODUCTION PLANT									
10.2	RIGHTS OF WAY									
	HORSESHOE LAKE 6	28,509	0.99%	282	0.99%	282	(0)	0.99%	282	
	SEMINOLE 1 MUSKOGEE 4	78,916 18,934	2.11% 2.68%	1,665 507	0.27% 1.02%	215 193	(1,450) (314)	0.27% 1.02%	215 193	
	SOONER 1	813,704	3.18%	25,876	2.24%	18,237	(7,639)	2.24%	18,237	
	TOTAL RIGHTS OF WAY	940,063	3.01%	28,331	2.01%	18,928	(9,403)	2.01%	18,928	
311	STRUCTURES AND IMPROVEMENTS									
	HORSESHOE LAKE 6	201,906	23.29%	47,024	23.29%	47,024	0	23.29%	47,024	
	HORSESHOE LAKE 7 HORSESHOE LAKE 8	2,807,502 28,618,552	0.67% 7.67%	18,810 2,195,043	0.67% 6.47%	18,810 1,851,747	0 (343,296)	0.67% 6.47%	18,810 1,851,747	
	SEMINOLE 1	26,448,745	4.07%	1,076,464	4.66%	1,232,634	156,170	4.66%	1,232,634	
	SEMINOLE 2	3,799,406	3.43%	130,320	4.31%	163,672	33,352	4.31%	163,672	
	SEMINOLE 3 MUSKOGEE 4	8,154,375 69,811,751	1.70% 3.44%	138,624 2,401,524	2.13% 3.48%	173,451 2,427,002	34,826 25,478	2.13% 3.48%	173,451 2,427,002	
	MUSKOGEE 5	7,451,169	1.99%	148,278	2.09%	155,957	7,678	2.09%	155,957	
	MUSKOGEE 6	58,954,946	1.22%	719,250	1.92%	1,134,626	415,376	1.92%	1,134,626	
	SOONER 1 SOONER 2	151,399,419 12,655,397	2.22% 1.13%	3,361,067 143,006	2.72% 1.52%	4,116,548 192,644	755,481 49,638	2.72% 1.52%	4,116,548 192,644	
	RIVER VALLEY 1	61,139,973	0.36%	220,104	1.92%	1,174,856	954,752	1.92%	1,174,856	
	RIVER VALLEY 2	54,656	0.25%	137	2.48%	1,356	1,219	2.48%	1,356	
	TOTAL STRUCTURES AND IMPROVEMENTS	431,497,798	2.46%	10,599,652	2.94%	12,690,325	2,090,674	2.94%	12,690,325	-
312	BOILER PLANT EQUIPMENT									
	HORSESHOE LAKE 6	20,996,286 15,246,822	11.03% 2.84%	2,315,890	11.03% 2.84%	2,315,890	0	11.03% 2.84%	2,315,890	
	HORSESHOE LAKE 7 HORSESHOE LAKE 8	15,246,822 22,959,876	2.84% 5.13%	433,010 1,177,842	2.84%	433,010 1,070,049	(0) (107,793)	2.84%	433,010 1,070,049	
	SEMINOLE 1	59,087,267	6.55%	3,870,216	4.72%	2,786,522	(1,083,694)	4.72%	2,786,522	
	SEMINOLE 2	49,105,513	5.18%	2,543,666	3.89%	1,909,893	(633,773)	3.89%	1,909,893	
	SEMINOLE 3 MUSKOGEE 4	68,970,927 127,239,724	3.82% 3.77%	2,634,689 4,796,938	3.27% 2.97%	2,257,821 3,773,595	(376,868) (1,023,343)	3.27% 2.97%	2,257,821 3,773,595	
	MUSKOGEE 5	118,189,382	2.91%	3,439,311	2.60%	3,073,697	(365,614)	2.60%	3,073,697	
	MUSKOGEE 6	301,242,531	1.83%	5,512,738	2.11%	6,348,556	835,817	2.11%	6,348,556	
	SOONER 1 SOONER 2	549,266,125 369,243,742	3.31% 2.94%	18,180,709 10,855,766	3.37% 3.18%	18,518,884 11,724,981	338,175 869,215	3.37% 3.18%	18,518,884 11,724,981	
	RIVER VALLEY 1	221,271,646	0.43%	951,468	2.04%	4,511,533	3,560,065	2.04%	4,511,533	
	RIVER VALLEY 2	121,987,581	0.47%	573,342	1.95%	2,376,576	1,803,234	1.95%	2,376,576	
	TOTAL BOILER PLANT EQUIPMENT	2,044,807,422	2.80%	57,285,584	2.99%	61,101,006	3,815,422	2.99%	61,101,006	
314	TURBOGENERATOR UNITS									
	HORSESHOE LAKE 6	10,842,200	17.79%	1,928,827	17.79%	1,928,827	0	17.79%	1,928,827	
	HORSESHOE LAKE 7 HORSESHOE LAKE 8	10,985,415 29,108,074	3.97% 9.57%	436,121 2,785,643	3.97% 6.02%	436,121 1.751.851	(1,033,792)	3.97% 6.02%	436,121 1,751,851	
	SEMINOLE 1	32,468,391	3.72%	1,207,824	3.83%	1,242,155	34,331	3.83%	1,242,155	
	SEMINOLE 2 SEMINOLE 3	44,903,852 32,494,674	4.59% 2.39%	2,061,087 776,623	4.37% 3.27%	1,961,070 1,061,754	(100,017) 285,132	4.37% 3.27%	1,961,070 1,061,754	
	MUSKOGEE 4	71,581,697	3.27%	2,340,721	3.41%	2,440,439	99,717	3.41%	2,440,439	
	MUSKOGEE 5	52,439,504	2.14%	1,122,205	2.57%	1,349,707	227,501	2.57%	1,349,707	
	MUSKOGEE 6 SOONER 1	94,009,241 43,344,918	2.60% 1.83%	2,444,240 793,212	2.46% 2.60%	2,313,785 1,128,117	(130,455) 334,905	2.46% 2.60%	2,313,785 1,128,117	
	SOONER 2	49,136,488	2.43%	1,194,017	2.64%	1,298,891	104,874	2.64%	1,298,891	
	RIVER VALLEY 1	53,028,756	0.41%	217,418	2.52%	1,336,447	1,119,029	2.52%	1,336,447	
	RIVER VALLEY 2 TOTAL TURBOGENERATOR UNITS	<u>30,735,122</u> 555,078,332	0.50%	<u>153,676</u> 17,461,614	2.28%	701,401 18,950,563	547,725 1,488,949	2.28%	701,401 18,950,563	
		000,010,002	0.1070		0.1170	10,000,000	1,100,010	0.1170	10,000,000	
315	ACCESSORY ELECTRIC EQUIPMENT		4.4.400/	101.005		101.005			101.005	
	HORSESHOE LAKE 6 HORSESHOE LAKE 7	3,348,719 2,377,714	14.48% 7.37%	484,895 175,238	14.48% 7.37%	484,895 175,238	0	14.48% 7.37%	484,895 175,238	
	HORSESHOE LAKE 8	2,799,956	4.26%	119,278	2.46%	68,982	(50,296)	2.46%	68,982	
	SEMINOLE 1	4,042,504	3.67%	148,360	5.08%	205,517	57,157	5.08%	205,517	
	SEMINOLE 2 SEMINOLE 3	3,287,888 5,362,861	7.16% 1.82%	235,413 97,604	5.00% 2.20%	164,505 117,890	(70,908) 20,286	5.00% 2.20%	164,505 117,890	
	MUSKOGEE 4	34,848,214	3.00%	1,045,446	2.50%	871,993	(173,453)	2.50%	871,993	
	MUSKOGEE 5	12,449,797	1.68%	209,157	1.77%	220,444	11,288	1.77%	220,444	
	MUSKOGEE 6 SOONER 1	44,124,866 25,739,512	1.27% 1.27%	560,386 326,892	1.62% 1.63%	714,468 420.437	154,082 93,545	1.62% 1.63%	714,468 420,437	
	SOONER 2	13,215,686	1.58%	208,808	1.54%	203,123	(5,685)	1.54%	203,123	
	RIVER VALLEY 1	41,676,296	0.28%	116,694	1.97%	821,727	705,033	1.97%	821,727	
	RIVER VALLEY 2 TOTAL ACCESSORY ELECTRIC EQUIPMENT	<u>1,565,529</u> 194,839,542	1.13%	<u> </u>	3.56%	55,788 4,525,007	38,098 779,148	3.56%	55,788	
	TOTAL ACCESSORT ELECTRIC EQUIPMENT	194,039,342	1.92 /0	3,743,639	2.3270	4,323,007	779,140	2.3270	4,525,007	
316	MISCELLANEOUS POWER PLANT EQUIPMENT									
	HORSESHOE LAKE 6 HORSESHOE LAKE 7	2,111,076 1,116,214	11.10% 3.15%	234,329 35,161	11.10% 3.15%	234,329 35,161	(0) 0	11.10% 3.15%	234,329 35,161	
	HORSESHOE LAKE 8	3,830,753	2.94%	112,624	12.40%	474,851	362,226	12.40%	474,851	
	SEMINOLE 1	4,188,322	4.89%	204,809	6.02%	252,281	47,472	6.02%	252,281	
	SEMINOLE 2 SEMINOLE 3	21,726 300,618	7.49% 2.96%	1,627 8,898	0.99% 4.93%	216 14.829	(1,411) 5.930	0.99% 4.93%	216 14.829	
	MUSKOGEE 4	10,582,057	4.44%	469,843	4.54%	480,108	10,265	4.54%	480,108	
	MUSKOGEE 5	703,624	1.89%	13,298	3.99%	28,100	14,801	3.99%	28,100	
	MUSKOGEE 6 SOONER 1	4,642,616 9,176,698	1.75% 3.17%	81,246 290,901	2.77% 4.33%	128,713 397,077	47,467 106,176	2.77% 4.33%	128,713 397,077	
	SOONER 1 SOONER 2	2,423,736	2.16%	52,353	4.33%	87,112	34,759	4.33%	87,112	
	RIVER VALLEY 1	20,631,345	0.19%	39,200	3.50%	722,803	683,603	3.50%	722,803	
	RIVER VALLEY 2 POWER SUPPLY SERVICES	32,329 2,858,584	1.67%	47,738	4.75% 4.16%	1,536 118,986	1,536 71,247	4.75% 4.16%	1,536 118,986	
	TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT	2,858,584 62,619,698	2.54%	1,592,028	4.16%	2,976,101	1,384,072	4.16%	2,976,101	
	TOTAL STEAM PRODUCTION PLANT	3,289,782,854	2.76%	90,713,068	3.05%	100,261,931	9,548,862	3.05%	100,261,931	
	OTHER PRODUCTION PLANT									
0.2	RIGHTS OF WAY									
	MUSTANG CTs	10,815	0.00%	0	0.69%	74	74	0.69%	74	

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OKLAHOMA GAS AND ELECTRIC COMPANY

COMPARISON OF OG&E AND FEA PROPOSED ANNUAL DEPRECIATION ACCRUAL AMOUNTS AND RATES RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2022 PRODUCTION AND OTHER PRODUCTION RESERVE REALLOCATED WITHIN GROUP TRANSMISSION, DISTRIBUTION, AND GENERAL RESERVE PER BOOK

		Current Oklahoma Accrual OG&E Proposed Accrual FEA Proposed Accrual								
	(1)	Plant Balance (2)	(3)	Amount (4) = (2) x (3)	Rate (5)	Amount (6) = (2) x (5)	(7) = (6) - (4)	Rate (8)	Amount (9) = (2) x (8)	Difference (10) = (9) - (6)
341	STRUCTURES AND IMPROVEMENTS									
	REDBUD 1	34,235,763	2.11%	722,375	2.34%	800,614	78,240	2.34%	800,614	0
	REDBUD 2 REDBUD 3	318,306 265,177	3.33% 3.44%	10,600 9,122	3.17% 3.11%	10,076 8,251	(524) (871)	3.17% 3.11%	10,076 8.251	0
	REDBUD 4	288,878	3.32%	9,591	3.06%	8,831	(759)	3.06%	8,831	0
	HORSESHOE LAKE 9 AND 10 TINKER	1,201,774 1,781,246	3.14% 8.86%	37,736 157,818	2.56% 8.86%	30,730 157,818	(7,006)	2.56% 8.86%	30,730 157,818	0
	MCCLAIN GAS 1	11,750,959	2.56%	300,825	5.01%	588,369	287,544	5.01%	588,369	0
	MCCLAIN GAS 2 MCCLAIN STEAM 1	1,788,683 1,070,785	1.59% 1.83%	28,440 19,595	2.30% 2.58%	41,105 27,607	12,665 8,011	2.30% 2.58%	41,105 27,607	0
	FRONTIER 1	8,395,038	2.44%	204,839	1.96%	164,266	(40,573)	1.96%	164,266	0
	MUSTANG CTs TOTAL STRUCTURES AND IMPROVEMENTS	43,721,045 104,817,655	2.83%	1,237,306 2,738,246	2.75%	1,201,260 3,038,927	(36,046) 300,681	2.75%	1,201,260 3,038,927	0
										· · · · ·
341	STRUCTURES AND IMPROVEMENTS - WIND CENTENNIAL	3,014,587	3.22%	97,070	6.36%	191,715	94,645	4.26%	128,542	(63,173)
	OU SPIRIT	5,228,646	3.22%	168,362	4.85%	253,456	85,094	3.53%	184,594	(68,862)
	CROSSROADS TOTAL STRUCTURES AND IMPROVEMENTS - WIND	<u>11,538,638</u> 19,781,871	3.48%	401,545 666,977	4.51%	<u>520,285</u> 965,456	<u>118,740</u> 298,479	3.47%	400,534 713,671	(119,751) (251,786)
341	STRUCTURES AND IMPROVEMENTS - SOLAR	4,465,531	2.74%	122,356	4.24%	189,304	66,948	4.24%	189,304	0
	FUEL HOLDERS, PRODUCERS AND ACCESSORIES	1,100,001	2.1470	122,000	1.2170	100,001	00,010	1.2170	100,001	0
342	REDBUD 1	12,117,606	1.87%	226,599	2.23%	270,579	43,980	2.23%	270,579	0
	REDBUD 2 REDBUD 3	690,651 691,292	1.82% 1.82%	12,570 12,582	2.22% 2.22%	15,306 15,322	2,736 2,740	2.22% 2.22%	15,306 15,322	0
	REDBUD 4	719,786	1.88%	13,532	2.25%	16,184	2,653	2.25%	16,184	0
	TINKER MCCLAIN GAS 1	167,151 354,085	3.55% 1.53%	5,934 5,418	3.55% 2.13%	5,934 7,536	0 2,118	3.55% 2.13%	5,934 7,536	0 0
	MCCLAIN GAS 1 MCCLAIN GAS 2	260,457	1.63%	4,245	2.13%	5,780	1,534	2.22%	5,780	0
	FRONTIER 1 MUSTANG CTs	978,948 7,657,023	1.37%	13,412	1.16% 2.79%	11,361	(2,051)	1.16%	11,361	0
	TOTAL FUEL HOLDERS, PRODUCERS AND ACCESSORIES	23,636,999	2.74%	209,802 504,093	2.79%	213,481 561,482	3,678 57,389	2.79%	213,481 561,482	0
343	PRIME MOVERS									^
343	REDBUD 1	93,479,687	2.92%	2,729,607	2.76%	2,576,294	(153,313)	2.76%	2,576,294	0
	REDBUD 2 REDBUD 3	67,426,482 67,539,780	2.65% 2.44%	1,786,802 1,647,971	3.77% 2.62%	2,542,815 1,766,259	756,013 118,289	3.77% 2.62%	2,542,815 1,766,259	0
	REDBUD 4	61,546,829	2.57%	1,581,754	2.60%	1,597,532	15,778	2.60%	1,597,532	0
	HORSESHOE LAKE 9 AND 10	8,902,621	4.37%	389,045	3.68%	327,585 0	(61,459)	3.68%	327,585 0	0
	TINKER MCCLAIN GAS 1	4,550,058 110,863,190	6.94% 2.15%	315,774 2,383,559	0.00% 2.67%	2,959,658	(315,774) 576,099	0.00% 2.67%	2,959,658	0
	MCCLAIN GAS 2	105,433,620	1.99%	2,098,129	2.51%	2,644,031 1,221,238	545,902	2.51%	2,644,031	0
	MCCLAIN STEAM 1 FRONTIER 1	52,753,857 65,667,528	1.55% 2.35%	817,685 1,543,187	2.31% 2.12%	1,221,238	403,553 (154,227)	2.31% 2.12%	1,221,238 1,388,959	0
	MUSTANG CTs	263,333,261	3.00%	7,899,998	3.04%	8,002,795	102,797	3.04%	8,002,795	0
	TOTAL PRIME MOVERS	901,496,913	2.57%	23,193,508	2.78%	25,027,166	1,833,657	2.78%	25,027,166	0
	LTSA									
343.1	20-YEAR REDBUD 1	1,490,678	7.70%	114,782	1.55%	23,075	(91,707)	1.55%	23,075	0
	REDBUD 2	1,490,678	4.89%	72,894	1.55%	23,075	(49,819)	1.55%	23,075	0
	REDBUD 3 REDBUD 4	1,490,678	1.85% 3.95%	27,578 58,882	1.55% 1.55%	23,075 23,075	(4,502) (35,807)	1.55% 1.55%	23,075 23,075	0
	20 YR Total	5,962,712	4.60%	274,136	1.55%	92,300	(181,835)	1.55%	92,300	0
343.2	6-YEAR									
343.Z	REDBUD 1	6,096,068	20.98%	1,278,955	10.56%	643,511	(635,444)	10.56%	643,511	0
	REDBUD 2 REDBUD 3	13,864,899 13,998,897	19.96% 18.86%	2,767,434 2,640,192	10.56% 10.56%	1,463,601 1,477,746	(1,303,833)	10.56% 10.56%	1,463,601 1,477,746	0
	REDBUD 3 REDBUD 4	5,993,168	19.62%	1,175,860	10.56%	632,648	(1,162,446) (543,211)	10.56%	632,648	0
	MCCLAIN GAS 1 MCCLAIN GAS 2	15,798,603	15.94% 16.14%	2,518,297 2,551,843	10.56% 10.56%	1,667,726 1,669,000	(850,572) (882,843)	10.56% 10.56%	1,667,726 1.669.000	0
	6 Yr Total	<u>15,810,675</u> 71,562,310	18.07%	12,932,581	10.56%	7,554,232	(5,378,349)	10.56%	7,554,232	0
	30-YEAR	240 740	0.450/	7.500	4.029/	6 747	(770)	4.000/	6 7 4 7	
	MCCLAIN GAS 1 MCCLAIN GAS 2	349,749 343,590	2.15% 1.99%	7,520 6,837	1.93% 1.93%	6,747 6,628	(773) (209)	1.93% 1.93%	6,747 6,628	0
	Total 30-YR TOTAL LTSA	693,339 78,218,361	2.07%	14,357	1.93%	13,375	(982)	1.93%	13,375 7.659.907	0
		/8,218,301	16.90%	13,221,073	9.79%	7,659,907	(5,561,167)	9.79%	7,059,907	0
344	GENERATORS REDBUD 1	717,218	2.88%	20,656	2.53%	18,111	(2,545)	2.53%	18,111	0
	REDBUD 3	23,199	2.85%	661	2.69%	624	(37)	2.69%	624	0
	REDBUD 4 HORSESHOE LAKE 9 AND 10	23,035 36,135,688	2.81% 3.79%	647 1,369,543	2.69% 2.59%	619 935,066	(28) (434,477)	2.69% 2.59%	619 935,066	0 0
	TINKER	3,366,088	3.67%	123,535	3.67%	123,535	(434,477)	3.67%	123,535	0
	FRONTIER 1 MUSTANG CTs	8,118,041 31,405,980	1.39% 2.89%	112,841 907,633	1.37% 2.94%	110,817 924,111	(2,024) 16,479	1.37% 2.94%	110,817 924,111	0
	TOTAL GENERATORS	79,789,249	3.18%	2,535,516	2.65%	2,112,883	(422,632)	2.65%	2,112,883	0
344	GENERATORS - WIND									
011	CENTENNIAL	185,423,873	3.27%	6,063,361	5.62%	10,415,702	4,352,341	3.86%	7,149,157	(3,266,544)
	OU SPIRIT CROSSROADS	237,888,863 349,390,682	3.72% 3.73%	8,849,466 13,032,272	5.11% 4.75%	12,157,779 16,596,733	3,308,313 3,564,461	3.80% 3.73%	9,042,499 13,025,498	(3,115,279) (3,571,236)
	TOTAL GENERATORS - WIND	772,703,418	3.73%	27,945,099	4.75%	39,170,214	3,564,461	3.73%	29,217,154	(9,953,059)
344	GENERATORS - SOLAR	39,650,005	3.21%	1,272,765	4.35%	1,723,522	450,757	4.35%	1,723,522	0
	ACCESSORY ELECTRIC EQUIPMENT								=	
345	REDBUD 1	13,173,539	2.10%	276,644	2.34%	308,434	31,790	2.34%	308,434	0
	REDBUD 2	9,557,253	1.82%	173,942	2.30%	219,848	45,906	2.30%	219,848	0
	REDBUD 3 REDBUD 4	9,330,337 9,593,118	1.79% 1.79%	167,013 171,717	2.29% 2.30%	213,535 220,250	46,522 48,533	2.29% 2.30%	213,535 220,250	0
	HORSESHOE LAKE 9 AND 10	4,874,594	3.28%	159,887	2.26%	110,192	(49,695)	2.26%	110,192	0
	TINKER MCCLAIN GAS 1	3,078,637 7,224,119	1.09% 1.96%	33,557 141,593	1.09% 2.50%	33,557	(0) 38,919	1.09% 2.50%	33,557 180,512	0
	MCCLAIN GAS 2	7,224,119 6,049,899	1.96%	141,593 88,934	2.50%	180,512 132,441	43,508	2.50%	180,512 132,441	0
	MCCLAIN STEAM 1 FRONTIER 1	3,740,436 7,857,363	1.32%	49,374	2.12%	79,250	29,876	2.12%	79,250	0
	MUSTANG CTs	25,263,658	1.43% 2.83%	112,360 714,962	1.43% 2.81%	112,347 709,672	(13) (5,290)	1.43% 2.81%	112,347 709,672	0
	TOTAL ACCESSORY ELECTRIC EQUIPMENT	99,742,953	2.10%	2,089,982	2.33%	2,320,037	230,055	2.33%	2,320,037	0
345	ACCESSORY ELECTRIC EQUIPMENT - WIND									
	CENTENNIAL OU SPIRIT	2,324,844 4,871,019	5.32% 5.92%	123,682 288,364	8.41% 7.48%	195,479 364,120	71,797 75,755	5.88% 5.61%	136,592 273,302	(58,887) (90,817)
	CROSSROADS	4,871,019	5.92% 4.04%	1,853,467	5.07%	2,326,856	473,388	5.61% 4.05%	1,858,090	(468,766)
	TOTAL ACCESSORY ELECTRIC EQUIPMENT - WIND	53,073,763	4.27%	2,265,513	5.44%	2,886,454	620,941	4.27%	2,267,984	(618,470)
345	ACCESSORY ELECTRIC EQUIPMENT - SOLAR	9,653,560	2.77%	267,404	4.16%	401,710	134,307	4.16%	401,710	0

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OKLAHOMA GAS AND ELECTRIC COMPANY

COMPARISON OF OG&E AND FEA PROPOSED ANNUAL DEPRECIATION ACCRUAL AMOUNTS AND RATES RELATED TO ELECTRIC PLANT AS OF DECEMBER 31, 2022 PRODUCTION AND OTHER PRODUCTION RESERVE REALLOCATED WITHIN GROUP TRANSMISSION, DISTRIBUTION, AND GENERAL RESERVE PER BOOK

	• · · · ·			klahoma Accrual		osed Accrual			sed Accrual	
	Account (1)	Plant Balance (2)	(3)	Amount (4) = (2) x (3)	Rate (5)	Amount (6) = (2) x (5)	(7) = (6) - (4)	Rate (8)	Amount (9) = (2) x (8)	Difference (10) = (9) - (6)
	(1)	(2)	(3)	(*) = (2) X (3)	(3)	$(0) = (2) \times (3)$	(1) = (0) - (4)	(0)	(3) = (2) X (0)	(10) = (9) - (6)
346	MISCELLANEOUS POWER PLANT EQUIPMENT									
	REDBUD 1	2,774,340	3.12%	86,559	3.88%	107,581	21,022	3.88%	107,581	0
	REDBUD 2	18,098	2.85%	516	3.73%	675	159	3.73%	675	0
	REDBUD 3	13,800	3.44%	475	4.24%	585	110	4.24%	585	0
	REDBUD 4 HORSESHOE LAKE 9 AND 10	20,045 1.033.095	3.27% 2.93%	655 30.270	4.10% 2.87%	821 29.663	166	4.10% 2.87%	821 29.663	0
	TINKER		2.93%	30,270	2.87%	29,663	(606)	2.87%	29,663	0
	MCCLAIN GAS 1	61,581	20.01%	12,322	3.57%	213,582	62,403	3.57%	213,582	0
	FRONTIER 1	5,975,450 5,299,221	2.10%	111,284	3.04%	161,098	49,815	3.04%	161,098	0
	MUSTANG CTs	7,704,785	3.02%	232,685	3.51%	270,231	37,547	3.04%	270,231	
	TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT	22,900,415	2.73%	625,944	3.48%	796,559	170,615	3.48%	796,559	C
346	MISCELLANEOUS POWER PLANT EQUIPMENT - WIND									
	CENTENNIAL	885,860	4.46%	39,509	7.09%	62,838	23,329	5.20%	46,045	(16,793
	OU SPIRIT	658,794	4.68%	30,832	7.53%	49,577	18,745	5.77%	38,030	(11,546
	CROSSROADS	562,592	4.50%	25,317	5.99%	33,684	8,367	4.97%	27,951	(5,733
	TOTAL MISCELLANEOUS POWER PLANT EQUIPMENT - WIND	2,107,246	4.54%	95,658	6.93%	146,099	50,441	5.32%	112,026	(34,072
	TOTAL OTHER PRODUCTION PLANT	2,212,048,754	3.51%	77,544,134	3.93%	86,999,795	9,455,661	3.44%	76,142,407	(10,857,388
		2,212,040,734	3.3176	11,344,134	3.3378	00,333,133	3,433,001	3.4478	70,142,407	(10,007,000
	TRANSMISSION PLANT									
350.2	LAND RIGHTS	131,963,405	1.40%	1,847,488	1.37%	1,814,290	(33,198)	1.18%	1,556,863	(257,427
352	STRUCTURES AND IMPROVEMENTS	9,042,721	1.44%	130,215	1.53%	138,791	8,576	1.41%	127,611	(11,180
353	STATION EQUIPMENT	954,383,732	2.13%	20,328,373	2.12%	20,269,880	(58,493)	2.08%	19,851,035	(418,845
354	TOWERS AND FIXTURES	173,271,523	1.58%	2,737,690	1.57%	2,726,420	(11,270)	1.57%	2,726,420	(
355	POLES AND FIXTURES	1,117,698,049	2.16%	24,142,278	2.12%	23,667,775	(474,503)	2.06%	22,975,655	(692,120
356	OVERHEAD CONDUCTORS AND DEVICES	693,683,857	2.11%	14,636,729	2.01%	13,942,116	(694,613)	2.01%	13,942,116	C
358	UNDERGROUND CONDUCTORS AND DEVICES	110,494	2.22%	2,453	0.00%	0	(2,453)	0.00%	0	(1 070 57
	TOTAL TRANSMISSION PLANT	3,080,153,781	2.07%	63,825,227	2.03%	62,559,272	(1,265,955)	1.99%	61,179,701	(1,379,571
	DISTRIBUTION PLANT									
360.2	LAND RIGHTS	6,459,925	1.27%	82,041	1.31%	84,383	2,341	1.11%	71,613	(12,769
361	STRUCTURES AND IMPROVEMENTS	7,971,930	1.47%	117,187	1.51%	120,585	3,397	1.51%	120,585	(12,100
362	STATION EQUIPMENT	877,615,427	2.18%	19,132,016	2.31%	20,291,014	1,158,998	2.14%	18,768,255	(1,522,759
363	STORAGE BATTERY	851,046	6.75%	57,446	6.91%	58,780	1,334	6.91%	58,780	(.,
364	POLES, TOWERS AND FIXTURES	786,956,009	2.47%	19,437,813	2.94%	23,115,215	3,677,401	2.64%	20,748,058	(2,367,157
365	OVERHEAD CONDUCTORS AND DEVICES	1,101,396,821	2.36%	25,992,965	2.51%	27,644,482	1,651,517	2.34%	25,727,085	(1,917,397
366	UNDERGROUND CONDUIT	335,409,588	1.70%	5,701,963	1.86%	6,227,440	525,477	1.86%	6,227,440	(
367	UNDERGROUND CONDUCTORS AND DEVICES	971,654,868	2.35%	22,833,889	3.07%	29,833,686	6,999,797	2.74%	26,665,804	(3,167,882
368	LINE TRANSFORMERS	670,460,796	3.59%	24,069,543	4.70%	31,544,550	7,475,007	3.63%	24,339,329	(7,205,22
369	SERVICES	266,118,193	1.87%	4,976,410	1.74%	4,623,710	(352,700)	1.74%	4,623,710	C
	NETERO									
370	METERS METERS - SMART METERS	184,961,833	4.48%	8,286,290	7.89%	14,596,513	6,310,223	7.89%	14,596,513	c
370.1	METERS - SMART METERS METERS - METERING EQUIPMENT	39,490,060	4.46%	2,207,494	2.04%	807,233	(1,400,261)	2.04%	807,233	
3/0.1	TOTAL METERS	224,451,893	4.68%	10,493,784	6.86%	15,403,746	4,909,962	6.86%	15,403,746	
	TOTAL METERS	224,431,693	4.08%	10,493,784	0.80 %	13,403,740	4,909,902	0.80%	13,403,740	0
371	INSTALLATIONS ON CUSTOMERS' PREMISES	57,414,311	4.04%	2,319,538	4.05%	2,324,969	5,431	4.05%	2,324,969	c
373	STREET LIGHTING AND SIGNAL SYSTEMS	316,836,035	4.42%	14,004,153	5.35%	16,957,364	2,953,211	5.35%	16,957,364	0
	TOTAL DISTRIBUTION PLANT	5,623,596,842	2.65%	149,218,749	3.17%	178,229,924	29,011,174	2.88%	162,036,739	(16,193,185
	CENEDAL DI ANT									
389.2	GENERAL PLANT LAND RIGHTS	178,598	2.24%	4,001	2.10%	3,753	(248)	2.10%	3,753	C
389.2	STRUCTURES AND IMPROVEMENTS	228,678,766	2.24%	4,001 3,384,446	2.10%	3,753 4,441,385	(248) 1,056,939	2.10%	3,753 4,441,385	C
330		220,078,700	1.40/0	3,304,440	1.3470	4,441,303	1,000,000	1.3470	4,441,303	, c
	OFFICE FURNITURE AND EQUIPMENT									
391	OFFICE FURNITURE AND EQUIPMENT	19.379.183	8.14%	1,577,465	10.07%	1,951,594	374.128	10.07%	1.951.594	(
391.1	COMPUTER EQUIPMENT	74,525,311	21.69%	16,164,540	19.58%	14,591,706	(1,572,834)	19.58%	14,591,706	(
	TOTAL OFFICE AND FURNITURE EQUIPMENT	93,904,494	18.89%	17,742,005	17.62%	16,543,300	(1,198,706)	17.62%	16,543,300	
	TRANSPORTATION EQUIPMENT									
392.1	CARS AND TRUCKS	27,059,844	5.04%	1,363,816	6.98%	1,887,734	523,918	6.98%	1,887,734	(
392.5	HEAVY TRUCKS	78,137,483	5.30%	4,141,287	6.04%	4,720,062	578,775	6.04%	4,720,062	0
392.6	TRAILERS	10,015,704	3.23%	323,507	3.03%	303,320	(20,187)	3.03%	303,320	
	TOTAL TRANSPORTATION EQUIPMENT	115,213,031	5.06%	5,828,610	6.00%	6,911,115	1,082,505	6.00%	6,911,115	0
	STORES EQUIPMENT	1,198,089	5.48%	65,655	4.87%	58.387	(7,268)	4.87%	58.387	c
303		28,819,877	5.07%	1,461,168	4.87%	1,222,160	(239,008)	4.87%	1,222,160	
393 304	TOOLS SHOP AND GARAGE FOURMENT			989,631	6.38%	722,110	(267,518)	4.24%	722,110	(
394	TOOLS, SHOP AND GARAGE EQUIPMENT				0.30%				122,112	
394 395	LABORATORY EQUIPMENT	11,310,063	8.75%		4 54%	737 212	171 502	1 5 / 9/	737 212	
394 395 396	LABORATORY EQUIPMENT POWER OPERATED EQUIPMENT	11,310,063 16,256,047	3.48%	565,710	4.54% 10.27%	737,212	171,502	4.54% 10.27%	737,212	
394 395	LABORATORY EQUIPMENT POWER OPERATED EQUIPMENT COMMUNICATION EQUIPMENT	11,310,063 16,256,047 34,537,031	3.48% 9.99%	565,710 3,450,249	10.27%	3,547,456	97,207	10.27%	3,547,456	i i
394 395 396 397	LABORATORY EQUIPMENT POWER OPERATED EQUIPMENT	11,310,063 16,256,047	3.48%	565,710						c
394 395 396 397	LABORATORY EQUIPMENT POWER OPERATED EQUIPMENT COMMUNICATION EQUIPMENT	11,310,063 16,256,047 34,537,031	3.48% 9.99%	565,710 3,450,249	10.27%	3,547,456	97,207	10.27%	3,547,456	0
394 395 396 397	LABORATORY EQUIPMENT POWER OPERATED EQUIPMENT COMMUNICATION EQUIPMENT MISCELLANEOUS EQUIPMENT	11,310,063 16,256,047 34,537,031 12,469,947	3.48% 9.99% 2.08%	565,710 3,450,249 259,375	10.27% 4.42%	3,547,456 551,169	97,207 291,794	10.27% 4.42%	3,547,456 551,169	000000000000000000000000000000000000000

NOTES: 1) ACCOUNTS BELOW WILL HAVE THE FOLLOWING RATES

303.4 MISCELLANEOUS INTANGIBLE PLANT - SAP S4 SOFTWARE 311-316 NEW UNITS AT HORSESHOE LAKE ARE PROJECTED TO HAVE A RATE OF 358 WHEN PLANT IS ADDED WHERE THE PLANT BALANCE IS GREATER THAN ACCUMULATED DEPRECIATION PROPOSED RATE IS

6.67% 3.00% 2.22%

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OKLAHOMA GAS AND ELECTRIC COMPANY COMPARISON OF OG&E AND FEA PROPOSED DEPRECIATION EXPENSE TEST YEAR ENDING SEPTEMBER 30, 2023

				Pro Forma Adjusted	_	OG&E Proposed			FEA Proposed			ок	FEA Oklahoma Depreciation
			Test Year	Depreciable	Annual	Annual DD&A	Pro Forma	Annual	Annual DD&A	Pro Forma		Jurisdictional	Expense
Line	Account (1)	Plant (2)	DD&A Expense (3)	Plant In Service (4)	Rate (5)	Expense (6) = (4) x (5)	Adjustment (7) = (6) - (3)	Rate (8)	(9) = (4) x (8)	Adjustment (10) = (9) - (3)	Difference (11) = (10) - (7)	Allocator (12)	Adjustment (13) = (11) x (12)
	(1)	(=)	(5)	(+)	(3)	(0) = (4) x (0)	(1) = (0) - (0)	(0)	(3) = (4) x (3)	(10) = (3) - (3)	(11) = (10) - (1)	(12)	(13) = (11) x (12)
		INTANGIBLE PLANT											
1	301	Organization	-	-	-	-	-	-	-	-	-		
2	302 303	Franchise and Consents Miscellaneous Intangible Plant	71,049 31,082,507	1,688,662 341,010,664	4.28% 14.74%	72,275 50,264,972	1,226 19,182,465	4.28% 14.74%	72,275 50,264,972	1,226 19,182,465	-		
4	303	CWIP	31,062,507	60,383,421	14.74%	8,864,286	8,864,286	14.74%	8,864,286	8,864,286	-		
5		TOTAL INTANGIBLE PLANT	\$ 31,153,556	\$ 403,082,747	11.0070	\$ 59,201,533	\$ 28,047,977	11.0070	\$ 59,201,533	\$ 28,047,977	\$ -	0.87974138	\$ -
		PRODUCTION REANT OF AN PROPUSTION											
6	310	PRODUCTION PLANT STEAM PRODUCTION Land and Land Rights	27,534	940,062	2.01%	18,895	(8,639)	2.01%	18,895	(8,639)	_		
7	311	Structures and Improvements	10,436,730	440,239,927	2.94%	12,943,054	2,506,324	2.94%	12,943,054	2,506,324	_		
8	312	Boiler Plant Equipment	57,997,944	2,087,171,222	2.99%	62,406,420	4,408,476	2.99%	62,406,420	4,408,476	-		
9	313	Engines and Engine-Driven Generators	-	-	0.00%	-	-	0.00%	-	-	-		
10	314	Turbogenerator Units	17,148,877	593,660,933	3.41%	20,243,838	3,094,961	3.41%	20,243,838	3,094,961	-		
11	315	Accessory Electric Equipment	3,665,019	196,518,242	2.32%	4,559,223	894,204	2.32%	4,559,223	894,204	-		
12 13	316 317	Miscellaneous Power Plant Equipment ARO Cost - Steam Production	1,513,442	60,712,825 22,119,046	4.75% 0.00%	2,883,859	1,370,417	4.75% 0.00%	2,883,859	1,370,417			
13	517	TOTAL STEAM PRODUCTION	\$ 90,789,546	\$ 3.401.362.257	0.0078	\$ 103.055.289	\$ 12.265.743	0.00 %	\$ 103.055.289	\$ 12,265,743	\$ -		
		OTHER PRODUCTION											
15	340	Land and Land Rights	-	10,816	0.69%	75	75	0.69%	75	75	(000 500)		
16 17	341 342	Structures and Improvements Fuel Holders, Producers and Accessories	3,535,792 511,361	131,292,861 23,692,509	3.25% 2.38%	4,267,018 563,882	731,226 52,521	3.05% 2.38%	4,004,432 563,882	468,640 52,521	(262,586)		
18	343	Prime movers	35,103,123	986,898,512	3.34%	32,962,410	(2,140,713)	3.34%	32,962,410	(2,140,713)	_		
19	344	Generators	32,371,146	893,453,607	4.82%	43,064,464	10,693,318	3.70%	33,057,783	686,637	(10,006,680)		
20	345	Accessory Electric Equipment	4,707,089	170,198,111	3.45%	5,871,835	1,164,746	3.07%	5,225,082	517,993	(646,753)		
21	346	Miscellaneous Power Plant Equipment	721,720	25,859,863	3.77%	974,917	253,197	3.63%	938,713	216,993	(36,204)		
22	347	ARO Cost - Other Production	-	37,060,911	0.00%	-	-	0.00%	· -	-	-		
23		TOTAL OTHER PRODUCTION	\$ 76,950,231	\$ 2,268,467,190		\$ 87,704,600	\$ 10,754,369		\$ 76,752,377	\$ (197,854)	\$ (10,952,223)		
24		CWIP	-	41,215,170	3.40%	1,401,316	1,401,316	3.21%	1,323,007	1,323,007	(78,309)		
05		TOTAL BRODUCTION BLANT	\$ 167,739,777	¢ 5 000 000 447		\$ 192.161.205	¢ 04.404.400		\$ 181.130.673	¢ 40.000.000	¢ (44,000,500)	0.04574040	¢ (40,400,000)
25		TOTAL PRODUCTION PLANT	\$ 167,739,777	\$ 5,669,829,447		\$ 192,161,205	\$ 24,421,428		\$ 181,130,673	\$ 13,390,896	\$ (11,030,532)	0.91571312	\$ (10,100,802)
00	250	TRANSMISSION PLANT	4 040 705	400.054.504	4.070/	4 000 407	(0.500)	4.400/	4 550 000	(054.400)	(050,000)		
26 27	350 351	Land and Land Rights Clearing Land and Right of Ways	1,812,705	132,051,584	1.37% 0.00%	1,809,107	(3,598)	1.18% 0.00%	1,558,209	(254,496)	(250,898)		
28	352	Structures and Improvements	130,203	9,103,292	1.53%	139,280	9,077	1.41%	128,356	(1,847)	(10,924)		
29	353	Station Equipment	20,592,059	994,901,405	2.12%	21,091,910	499,851	2.08%	20,693,949	101,890	(397,961)		
30	354	Towers and Fixtures	2,724,180	174,139,232	1.57%	2,733,986	9,806	1.57%	2,733,986	9,806	-		
31	355	Poles and Fixtures	25,034,751	1,149,548,181	2.12%	24,370,421	(664,330)	2.06%	23,680,693	(1,354,058)	(689,729)		
32 33	356 357	Overhead Conductors and Devices Underground Conduit	14,866,073	704,035,622	2.01% 0.00%	14,151,116	(714,957)	2.01% 0.00%	14,151,116	(714,957)			
33	358	Underground Conductors and Devices	- 22	110,494	0.00%	-	(22)	0.00%	-	- (22)	-		
35	359	ARO Cost - Transmission	-	1,175,724	0.00%	* -		0.00%	* -	-	-		
		014/12		57 004 407	0.000/	4 4 9 4 9 5 4			4 400 700	4 400 700	(00.000)		
36 37		CWIP TOTAL TRANSMISSION PLANT	\$ 65,159,993	57,224,197 \$ 3,222,289,731	2.03%	<u>1,161,651</u> \$ 65,457,471	<u>1,161,651</u> \$ 297,478	1.99%	<u>1,138,762</u> \$ 64,085,070	1,138,762 \$ (1,074,923)	(22,890) \$ (1,372,401)	0.80768368	\$ (1,108,466)
57			· · · · · · · · · · · · · · · · · · ·	φ 0,222,200,701		ψ 00,407,471	φ 231,470		4 04,000,010	φ (1,074,323)	φ (1,072,401)	0.007000000	φ (1,100,400)
		DISTRIBUTION PLANT											
38	360	Land and Land Rights	76,845	6,475,324	1.31%	84,827	7,982	1.11%	71,876	(4,969)	(12,951)		
39 40	361 362	Structures and Improvements	118,834 19,161,303	7,875,483 921,951,311	1.51% 2.31%	118,920 21,297,075	86 2,135,772	1.51% 2.14%	118,920 19,729,758	86 568,455	-		
40 41	362	Station Equipment Storage Battery Equipment	19,161,303	921,951,311 851,046	2.31%	21,297,075 58,807	2,135,772	2.14% 6.91%	19,729,758 58,807	1,361	(1,567,317)		
42	364	Poles, Towers, and Fixtures	20,031,540	825,732,658	2.94%	24,276,540	4,245,000	2.64%	21,799,342	1,767,802	(2,477,198)		
43	365	Overhead Conductors and Devices	27,272,136	1,279,218,608	2.51%	32,108,387	4,836,251	2.34%	29,933,715	2,661,579	(2,174,672)		
44	366	Underground Conduit	6,040,592	372,520,949	1.86%	6,928,890	888,298	1.86%	6,928,890	888,298	-		
45	367	Underground Conductors and Devices	22,778,066	999,177,125	3.07%	30,674,738	7,896,672	2.74%	27,377,453	4,599,387	(3,297,285)		
46	368	Line Transformers	24,476,795	720,127,162	4.70%	33,845,977	9,369,182	3.63%	26,140,616	1,663,821	(7,705,361)		
47 48	369 370	Services Meters	5,063,436 10,704,765	268,106,395 234,901,281	1.74% 6.86%	4,665,051 16,114,228	(398,385) 5,409,463	1.74% 6.86%	4,665,051 16,114,228	(398,385) 5,409,463	-		
40 49	370	Installation on Customers' Premises	2,320,064	57,414,314	4.05%	2,325,280	5,409,463	4.05%	2,325,280	5,409,463	-		
50	372	Leased Property on Customer's Premises	-		0.00%	-		0.00%	-	-	-		
51	373	Street Lighting and Signal Systems	14,186,037	314,421,924	5.35%	16,821,573	2,635,536	5.35%	16,821,573	2,635,536	-		
52		CWIP	A 450 007	232,229,246	3.17%	7,361,667	7,361,667	2.88%	6.688,202	6,688,202	(673,465)		* (10.001.01.")
53		TOTAL DISTRIBUTION PLANT	\$ 152,287,859	\$ 6,241,002,826		\$ 196,681,959	\$ 44,394,100		\$ 178,773,712	\$ 26,485,853	\$ (17,908,247)	0.93989344	\$ (16,831,844)

Exhibit BCA-14 Page 2 of 2

OKLAHOMA GAS AND ELECTRIC COMPANY COMPARISON OF OG&E AND FEA PROPOSED DEPRECIATION EXPENSE TEST YEAR ENDING SEPTEMBER 30, 2023

			Test Year	Pro Forma Adjusted Depreciable	Annual	OG&E Proposed Annual DD&A	Pro Forma	Annual	FEA Proposed Annual DD&A	Pro Forma		OK Jurisdictional	FEA Oklahoma Depreciation Expense
Line	Account	Plant	DD&A Expense	Plant In Service	Rate	Expense	Adjustment	Rate	Expense	Adjustment	Difference	Allocator	Adjustment
	(1)	(2)	(3)	(4)	(5)	(6) = (4) x (5)	(7) = (6) - (3)	(8)	(9) = (4) x (8)	(10) = (9) - (3)	(11) = (10) - (7)	(12)	(13) = (11) x (12)
54 55 56 57 58 59 60 61	389 390 391 392 393 394 395 396	GENERAL PLANT Land and Land Rights Structures and Improvements Office Furniture and Equipment Transportation Equipment Stores Equipment Tools, Shop and Garage Equipment Laboratory Equipment Power Operated Equipment	(70,862 3,503,187 17,917,221 2,703,342 67,360 1,441,031 947,093 588,668	234,604,231 113,549,919 122,975,859 1,360,672 31,461,005	2.10% 1.94% 17.62% 6.00% 4.87% 4.24% 6.38% 4.54%	3,751 4,551,322 20,007,496 7,378,552 66,265 1,333,947 735,900 749,660	74,612 1,048,135 2,090,275 4,675,210 (1,095) (107,084) (211,193) 160,992	2.10% 1.94% 17.62% 6.00% 4.87% 4.24% 6.38% 4.54%	3,751 4,551,322 20,007,496 7,378,552 66,265 1,333,947 735,900 749,660	74,612 1,048,135 2,090,275 4,675,210 (1,095) (107,084) (211,193) 160,992			
62	397	Communication Equipment	3.464.979		10.27%	3.656.643	191.664	10.27%	3,656,643	191.664	-		
63	398	Miscellaneous Equipment	295,470	12,402,073	4.42%	548,172	252,702	4.42%	548,172	252,702	-		
64	399	Other Tangible Property	-	-		-	-		-	-	-		
65		CWIP		35,518,289	6.40%	2,273,170	2,273,170	6.40%	2,273,170	2,273,170			
66		TOTAL GENERAL PLANT	\$ 30,857,489	\$ 615,702,573		\$ 41,304,877	\$ 10,447,387		\$ 41,304,877	\$ 10,447,387	\$ -	0.87838689	<u>\$</u> -
67		TOTAL ELECTRIC PLANT IN SERVICE	\$ 447,198,674	\$ 16,151,907,324		\$ 554,807,046	\$ 107,608,371		\$ 524,495,866	\$ 77,297,191	\$ (30,311,180)		\$ (28,041,113)
68		Holding Co. included above	\$-										
69		Total Plant in Service	\$ 447,198,674	\$ 16,151,907,324		\$ 554,807,046	\$ 107,608,372		\$ 524,495,866	\$ 77,297,192	\$ (30,311,180)		\$ (28,041,113)
70		Transportation Activity Depreciation	-		55.28%	(4,079,129)	(4,079,129)	55.28%	(4,079,129)	(4,079,129)	-		-
71		Holding Company Test Year Expense	(for Reclass Adj)	_		(for Pro Forma Adj) Schedule I 1-1			(for Pro Forma Adj) Schedule I 1-1				<u> </u>
72		TOTAL DD&A EXPENSE	\$ 447,198,674	-		\$ 550,727,917	\$ 103,529,243		\$ 520,416,737	\$ 73,218,063	\$ (30,311,180)		\$ (28,041,113)
73		Add back Smart Grid Stranded Meters/Web Portal	\$ -	_									
74		TOTAL DD&A EXPENSE (to tie to books)	\$ 447,198,674										
			Schedule I-1				Schedule H-2						
Noto													

Notes:

Source for (3): Schedule I-1 Source for (4), (5): Schedule I-1-1 Source for (8): Exhibit BCA-13 Source for (12): OG&E WP K-2.2/L-2.2 Depreciation Expense

*Per Schedule I-1-1: Excluded from this schedule is depreciation related to ARO's for the following amounts: FERC 317- \$1,754,925; FERC 347- \$1,438,152; & FERC 359- \$60,051

CERTIFICATE OF SERVICE

On this 26th day of April 2024, a true and correct copy of the Responsive Testimony of Brian

C. Andrews on Behalf of the Federal Executive Agencies was sent via electronic mail to the following

interested parties:

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