

ATMOS ENERGY CORPORATION
SHARED SERVICES UNIT

DEPRECIATION RATE STUDY

As of September 30, 2019



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ATMOS ENERGY CORPORATION - SHARED SERVICES UNIT
DEPRECIATION RATE STUDY
EXECUTIVE SUMMARY

Atmos Energy Corporation (“Atmos” or “Company”) engaged Alliance Consulting Group to conduct a depreciation study of the Company’s Shared Services Unit (“SSU” or “Shared Services”) operations depreciable assets as of fiscal year end September 30, 2019. SSU provides support to Atmos Energy Corporation’s regulated utility divisions.

The regulated natural gas utility divisions during the year ended September 30, 2019 were:

- Atmos Colorado-Kansas Division
- Atmos Louisiana Division
- Atmos Kentucky Mid-States (Kentucky, Tennessee, and Virginia) Division
- Atmos Mississippi Division
- Atmos Mid-Tex Division
- Atmos West Texas Division
- Atmos Pipeline Texas Division

The depreciation rates are based on the straight-line method, equal life group (“ELG”) procedure, and remaining-life technique. This study results in an annual depreciation expense accrual of \$25.5 million when applied to depreciable plant balances as of September 30, 2019.

The depreciation study we conducted analyzed and developed depreciation recommendations at an account level. The resulting annual depreciation accrual amounts and depreciation rates contained in this study are at the account level. The Company will accrue depreciation expense based on the account level depreciation rates developed in this study. Appendix A provides the annual depreciation expense.

**ATMOS ENERGY CORPORATION
ATMOS SHARED SERVICES UNIT**

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PURPOSE

The purpose of this study is to develop depreciation rates for the depreciable property as recorded on Shared Services' books at September 30, 2019. The account based depreciation rates were designed to recover the total remaining undepreciated investment, adjusted for net salvage, over the remaining life of Shared Services' property on a straight-line basis. Non-depreciable property and property which is amortized, such as intangibles were excluded from this study.

Shared Services is a division of Atmos Corporation dedicated to providing various support services to its operating companies. Shared Services consists of two Divisions, Division 02 – General Office and Division 12 – Customer Support. For purposes of this study, Division 02 and Division 12 were combined for analysis and rate calculations. As of the study date, Shared Services supported regulated gas utility divisions operating in eight different states.

STUDY RESULTS

The existing and current study annual depreciation expense both result from the use of Iowa Curve dispersion patterns with average service lives over a straight-line basis as well as the equal life group (“ELG”) procedure and remaining-life technique. Consideration was given to appropriate net salvage factors in the development of the study recommended depreciation rates. Detailed information for each of these factors will follow in this report.

Overall depreciation rates for Shared Services depreciable property are shown in Appendix A. These rates translate into an annual depreciation accrual of \$25.5 million based on Shared Services' depreciable investment at September 30, 2019.

The recommended annual depreciation accrual rates and expense are shown in Appendix A. Appendix B presents the development of the depreciation rates and annual accruals. Appendix C presents the recommended study mortality and net salvage parameters by account. Appendix D shows net salvage history by plant account.

GENERAL DISCUSSION

Definition

The term "depreciation" as used in this study is considered in the accounting sense, that is, a system of accounting that distributes the cost of assets, less net salvage (if any), over the estimated useful life of the assets in a systematic and rational manner. It is a process of allocation, not valuation. This expense is systematically allocated to accounting periods over the life of the properties. The amount allocated to any one accounting period does not necessarily represent the loss or decrease in value that will occur during a particular period. The Company accrues depreciation based on original cost of all depreciable property included in each functional property group. On retirement the full cost of depreciable property, less the net salvage value, is charged to the depreciation reserve.

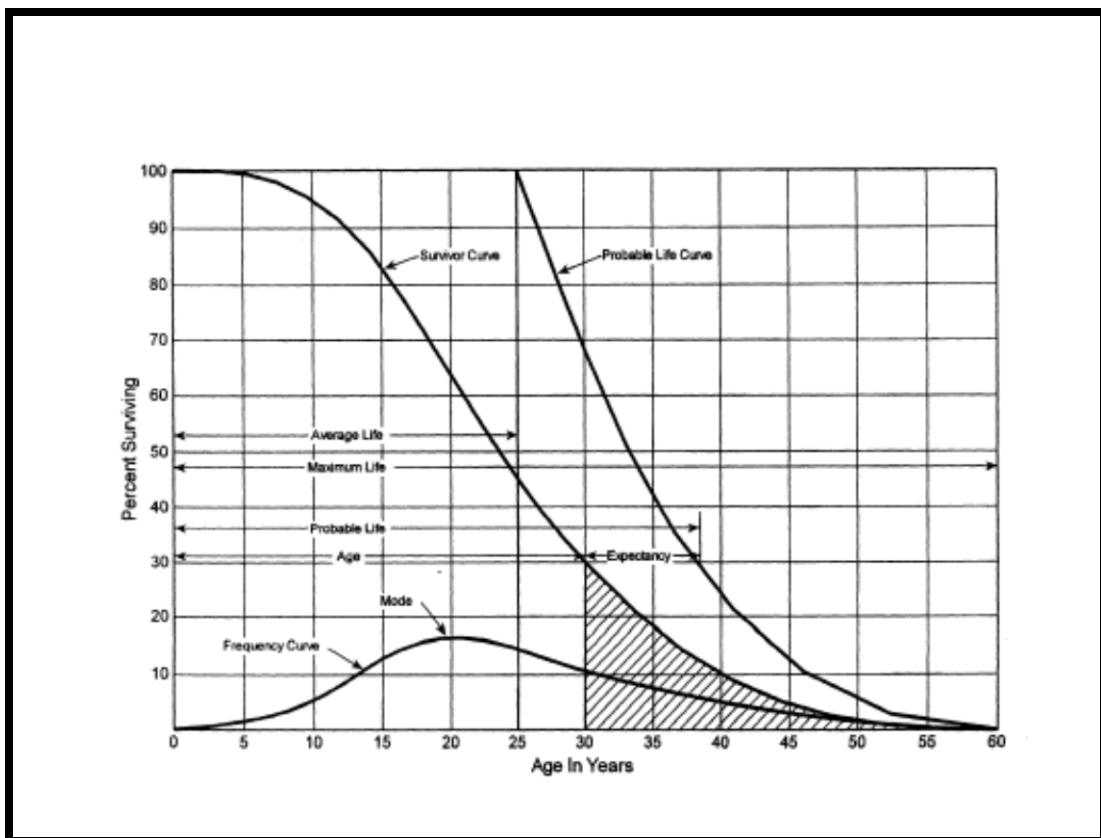
Basis of Depreciation Estimates

The straight-line, ELG, remaining-life depreciation system was employed to calculate annual and accrued depreciation in this study. In this system, the annual depreciation expense for each group is computed by dividing the original cost of the asset less allocated depreciation reserve less estimated net salvage by its respective equal life group remaining life. The resulting annual accrual amounts of all depreciable property within a function were accumulated, and the total was divided by the original cost of all functional depreciable property to determine the depreciation rate. The calculated remaining lives and annual depreciation accrual rates were based on attained ages of plant in service and the estimated service life and salvage characteristics of each depreciable group. The computations of the annual depreciation rates are shown in Appendix B and remaining life calculations are provided in the workpapers.

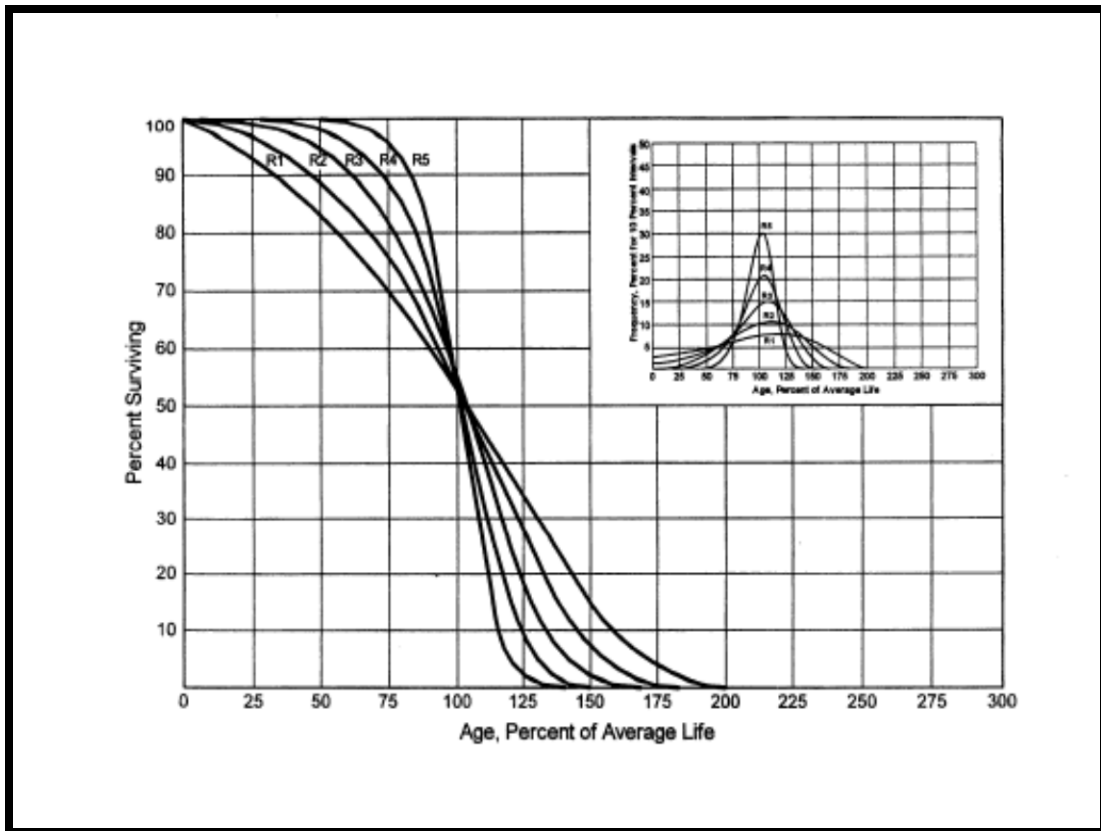
Actuarial analysis was used with each account within a function, where sufficient data was available, and judgment was used to some degree on all accounts.

Survivor Curves

To fully understand depreciation projections in a regulated utility setting, there must be a basic understanding of survivor curves. Individual property units within a group do not normally have identical lives or investment amounts. The average life of a group can be determined by first constructing a survivor curve which is plotted as a percentage of the units surviving at each age. A survivor curve represents the percentage of property remaining in service at various age intervals. The Iowa Curves are the result of an extensive investigation of life characteristics of physical property made at Iowa State College Engineering Experiment Station in the first half of the prior century. Through common usage, revalidation and regulatory acceptance, these curves have become a descriptive standard for the life characteristics of industrial property. An example of an Iowa Curve is shown below.



There are four families in the Iowa Curves that are distinguished by the relation of the age at the retirement mode (largest annual retirement frequency) and the average life. For distributions with the mode age greater than the average life, an "R" designation (i.e., Right modal) is used. The family of "R" moded curves is shown below.



Similarly, an "S" designation (i.e., Symmetric modal) is used for the family whose mode age is symmetric about the average life. An "L" designation (i.e., Left modal) is used for the family whose mode age is less than the average life. A special case of left modal dispersion is the "O" or origin modal curve family. Within each curve family, numerical designations are used to describe the relative magnitude of the retirement frequencies at the mode. A "6" indicates that the retirements are not greatly dispersed from the mode (i.e., high mode frequency) while a "1" indicates a large dispersion about the mode (i.e., low mode frequency).

For example, a curve with an average life of 30 years and an "L3" dispersion is a moderately dispersed, left modal curve that can be designated as a 30 L3 Curve. An SQ, or square, survivor curve occurs where no dispersion is present (i.e., units of common age retire simultaneously).

Most property groups can be closely fitted to one Iowa Curve with a unique average service life. The blending of judgment concerning current conditions and future trends along with the matching of historical data permits the depreciation analyst to make an informed selection of an account's average life and retirement dispersion pattern.

Actuarial Analysis

Actuarial analysis (retirement rate method) was used in evaluating historical asset retirement experience where vintage data were available and sufficient retirement activity was present. In actuarial analysis, interval exposures (total property subject to retirement at the beginning of the age interval, regardless of vintage) and age interval retirements are calculated. The complement of the ratio of interval retirements to interval exposures establishes a survivor ratio. The survivor ratio is the fraction of property surviving to the end of the selected age interval, given that it has survived to the beginning of that age interval. Survivor ratios for all of the available age intervals were chained by successive multiplications to establish a series of survivor factors, collectively known as an observed life table. The observed life table shows the experienced mortality characteristic of the account and may be compared to standard mortality curves such as the Iowa Curves. Where data was available, accounts were analyzed using this method. Placement bands were used to illustrate the composite history over a specific era, and experience bands were used to focus on retirement history for all vintages during a set period. The results from these analyses for those accounts which had data sufficient to be analyzed using this method are shown in the Life Analysis section of this report.

Judgment

Any depreciation study requires informed judgment by the analyst conducting the study. A knowledge of the property being studied, company policies and procedures, general trends in technology and industry practice, and a sound basis of understanding depreciation theory are needed to apply this informed judgment. Judgment was used in areas such as survivor curve modeling and selection, depreciation method selection, simulated plant record method analysis, and actuarial analysis.

Judgment is not defined as being used in cases where there are specific, significant pieces of information that influence the choice of a life or curve. Those cases would simply be a reflection of specific facts into the analysis. Where there are multiple factors, activities, actions, property characteristics, statistical inconsistencies, implications of applying certain curves, property mix in accounts or a multitude of other considerations that impact the analysis (potentially in various directions), judgment is used to take all of these factors and synthesize them into a general direction or understanding of the characteristics of the property. Individually, no one factor in these cases may have a substantial impact on the analysis, but overall, may shed light on the utilization and characteristics of assets. Judgment may also be defined as deduction, inference, wisdom, common sense, or the ability to make sensible decisions. There is no single correct result from statistical analysis; hence, there is no answer absent judgment. At the very least for example, any analysis requires choosing which bands to place more emphasis.

The establishment of appropriate average service lives and retirement dispersions for Shared Services' accounts requires judgment to incorporate the understanding of the operation of the system with the available accounting information analyzed using the Retirement Rate actuarial methods. The appropriateness of lives and curves depends not only on statistical analyses, but also on how well future retirement patterns will match past retirements.

Current applications and trends in use of the equipment also need to be factored into life and survivor curve choices in order for appropriate mortality characteristics to be chosen.

Equal Life Group Depreciation

Atmos agreed that the continued use of the ELG depreciation procedure was appropriate. This study uses the ELG depreciation procedure to group the assets within each account. After an average service life and dispersion were selected for each account, those parameters were used to estimate what portion of the surviving investment of each vintage was expected to retire. The depreciation of the group continues until all investment in the vintage group is retired. ELG groups are defined by their respective account dispersion, life, and net salvage estimates. A straight-line rate for each ELG group is computed and accumulated across each vintage. The resulting rate for each ELG group is designed to recover all retirements less net salvage as each vintage retires. The ELG procedure recovers net book cost over the life of each ELG group rather than averaging many components. It also closely matches the concept of component or item accounting found in all accounting textbooks.

Theoretical Depreciation Reserve

The Company's book depreciation reserves were reallocated based on the theoretical reserves for each account. This study used a reserve model that relied on a prospective concept relating future retirement and accrual patterns for property, given current life and salvage estimates. The theoretical reserve of a group is developed from the estimated remaining life, total life of the property group, and estimated net salvage. The theoretical reserve represents the portion of the group cost that would have been accrued if current forecasts were used throughout the life of the group for future depreciation accruals. The computation involves multiplying the vintage balances within the group by the theoretical reserve ratio for

each vintage. The equal life group method requires an estimate of dispersion and service life to establish how much of each vintage is expected to be retired in each year until all property within the vintage is retired. Estimated average service lives and dispersion determine the amount within each equal life group. The equal life group-remaining-life theoretical reserve ratio (RRELG) is calculated as:

$$RRELG = 1 - \frac{(ELG \text{ Remaining Life})}{(ELG \text{ Life})} * (1 - Net \text{ Salvage Ratio})$$

DETAILED DISCUSSION

Depreciation Study Process

This depreciation study encompassed four distinct phases. The first phase involved data collection and field interviews. The second phase was where the initial data analysis occurred. The third phase was where the information and analysis was evaluated. Once the first three stages were complete, the fourth phase began. This phase involved the calculation of depreciation rates and documenting the corresponding recommendations.

During the Phase I data collection process, historical data was compiled from continuing property records and general ledger systems. Data was validated for accuracy by extracting and comparing to multiple financial system sources. Audit of this data was validated against historical data from prior periods, historical general ledger sources, and field personnel discussions. This data was reviewed extensively to put in the proper format for a depreciation study. Further discussion on data review and adjustment is found in the Salvage Considerations Section of this study. Also as part of the Phase I data collection process, numerous discussions were conducted with engineers and field operations personnel to obtain information that would assist in formulating life and salvage recommendations in this study. One of the most important elements of performing a proper depreciation study is to understand how the Company utilizes assets and the environment of those assets. Interviews with engineering and operations personnel are important ways to allow the analyst to obtain information that is beneficial when evaluating the output from the life and net salvage programs in relation to the Company's actual asset utilization and environment. Information that was gleaned in these discussions is found both in the Detailed Discussion of this study in the life analysis and salvage analysis sections and also in workpapers.

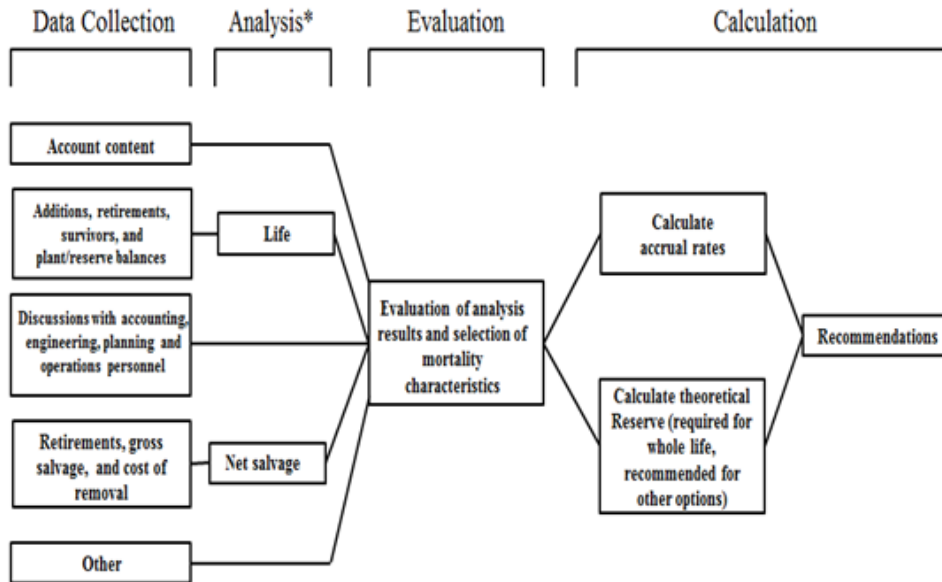
Phase 2 is where the actuarial analysis is performed. Phase 2 and 3 overlap to a significant degree. The detailed property records information is used in Phase 2 to develop observed life tables for life analysis. These tables are visually compared to industry standard tables to determine historical life characteristics. It is possible that the analyst would cycle back to this phase based on the evaluation process performed in Phase 3. Net salvage analysis consists of compiling historical salvage and removal data by functional group to determine values and trends in gross salvage and removal cost. This information was then carried forward into Phase 3 for the evaluation process.

Phase 3 is the evaluation process which synthesizes analysis, interviews, and operational characteristics into a final selection of asset lives and net salvage parameters. The historical analysis from Phase 2 is further enhanced by the incorporation of recent or future changes in the characteristics or operations of assets that were revealed in Phase 1. Phases 2 and 3 allow the depreciation analyst to validate the asset characteristics as seen in the accounting transactions with actual Company operational experience.

Finally, Phase 4 involved the calculation of accrual rates, making recommendations and documenting the conclusions in a final report. The calculation of accrual rates is found in Appendix B. Recommendations for the various accounts are contained within the Detailed Discussion of this report. The depreciation study flow diagram shown as Figure 1¹ documents the steps used in conducting this study. Depreciation Systems, page 289 documents the same basic processes in performing a depreciation study which are: Statistical analyses, evaluation of statistical analysis, discussions with management, forecast assumptions, write logic supporting forecasts and estimation, and write final report.

¹ Public Utility Finance & Accounting, A Reader

Book Depreciation Study Flow Diagram



Source: Introduction to Depreciation for Public Utilities and Other Industries, AGA EEI, 2013.

*Although not specifically noted, the mathematical analysis may need some level of input from other sources (for example, to determine analysis bands for life and adjustments to data used in all analysis).

Figure 1

SHARED SERVICES DEPRECIATION STUDY PROCESS

Depreciation Rate Calculation

Annual depreciation expense amounts for the depreciable property accounts of Shared Services were calculated by the straight line, equal life group, and remaining-life system. With this approach, remaining lives were calculated according to standard ELG group expectancy techniques, using the Iowa Survivor Curves noted in the calculation. For each plant account, the difference between the surviving investment, adjusted for estimated net salvage and the allocated book depreciation reserve, was divided by the average remaining life to yield the annual depreciation expense. These calculations are shown in Appendix B.

Remaining Life Calculation

The establishment of appropriate average service lives and retirement dispersions for each account within a functional group was based on engineering judgment that incorporated available accounting information analyzed using the actuarial methods. After establishment of appropriate average service lives and retirement dispersions, remaining lives were computed for each account. The theoretical depreciation reserve with zero net salvage (used in calculating remaining life) was calculated using theoretical reserve ratios as defined in the theoretical reserve portion of the general discussion section. The difference between plant balance and theoretical reserve was then spread over the ELG depreciation accruals. After accumulating the ELG accruals across each vintage, the annual accrual was divided into the net balance to compute remaining life. Details of the theoretical reserve computations, ELG accruals, and remaining life are found by account in the study workpapers.

Calculation Process

Annual depreciation expense amounts for all accounts were calculated by the straight line, remaining life procedure.

In a whole life representation, the annual accrual rate is computed by the

following equation,

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

Use of the remaining life depreciation system adds a self-correcting mechanism, which accounts for any differences between theoretical and book depreciation reserve over the remaining life of the group. With the straight line, remaining life, average life group system using Iowa Curves, composite remaining lives were calculated according to standard broad group expectancy techniques, noted in the formula below:

$$\text{Composite Remaining Life} = \frac{\sum \text{Original Cost} - \text{Theoretical Reserve}}{\sum \text{Whole Life Annual Accrual}}$$

For each plant account, the difference between the surviving investment, adjusted for estimated net salvage, and the allocated book depreciation reserve, was divided by the composite remaining life to yield the annual depreciation expense as noted in this equation where the net salvage percent represents future net salvage.

$$\text{Annual Depreciation Expense} = \frac{\text{Original Cost} - \text{Book Reserve} - (\text{Original Cost}) * (1 - \text{Net Salvage \%})}{\text{Composite Remaining Life}}$$

Within a group, the sum of the group annual depreciation expense amounts, as a percentage of the depreciable original cost investment summed, gives the annual depreciation rate as shown below:

$$\text{Annual Depreciation Rate} = \frac{\sum \text{Annual Depreciation Expense}}{\sum \text{Original Cost}}$$

These calculations are shown in Appendix B. The calculations of the theoretical depreciation reserve values and the corresponding remaining life calculations are shown in workpapers. Book depreciation reserves were allocated to individual accounts and the theoretical reserve computation was used to compute a composite remaining life for each account.

LIFE ANALYSIS

The retirement rate actuarial analysis method was applied to all accounts for Shared Services. For each account, an actuarial retirement rate analysis was made with placement and experience bands of varying width. The historical observed life table was plotted and compared with various Iowa Survivor Curves to obtain the most appropriate match. A selected curve for each account is shown in the Life Analysis Section of this report. The observed life tables for all analyzed placement and experience bands are provided in workpapers.

For the overall band (i.e. placement from earliest vintage year, which varied for each account through 2019) for each account, various dispersion curves were plotted. Frequently, visual matching would confirm one specific dispersion pattern (i.e. L, S, or R) as a better match than others. The next step would be to determine the most appropriate life using that dispersion pattern. Then, after looking at the overall experience band, different experience bands were plotted and analyzed, for instance 1996-2019, 2005-2019, etc. Next placement bands of varying width were plotted with each experience band discussed above. Repeated matching usually pointed to a focus on one dispersion family and small range of service lives. The goal of visual matching was to minimize the differential between the observed life table and Iowa curve in top and mid range of the plots. These results are used in conjunction with all other factors that may influence asset lives.

Due to the nature of the Shared Services Division and the allocation of costs among numerous entities and across various state regulatory jurisdictions, the study does not make a comparison of approved to proposed depreciation rates, due to timing differences and the possibility of changes from the various regulatory agencies approving rates. Instead, we will provide the proposed from the prior study (2014) and the current study (2019) in the account discussions below.

NET SALVAGE CONSIDERATIONS

When a capital asset is retired, physically removed from service and finally disposed of, terminal retirement is said to have occurred. The residual value of a terminal retirement is called gross salvage. Net salvage is the difference between the gross salvage (what the asset was sold for) and the removal cost (cost to remove and dispose of the asset).

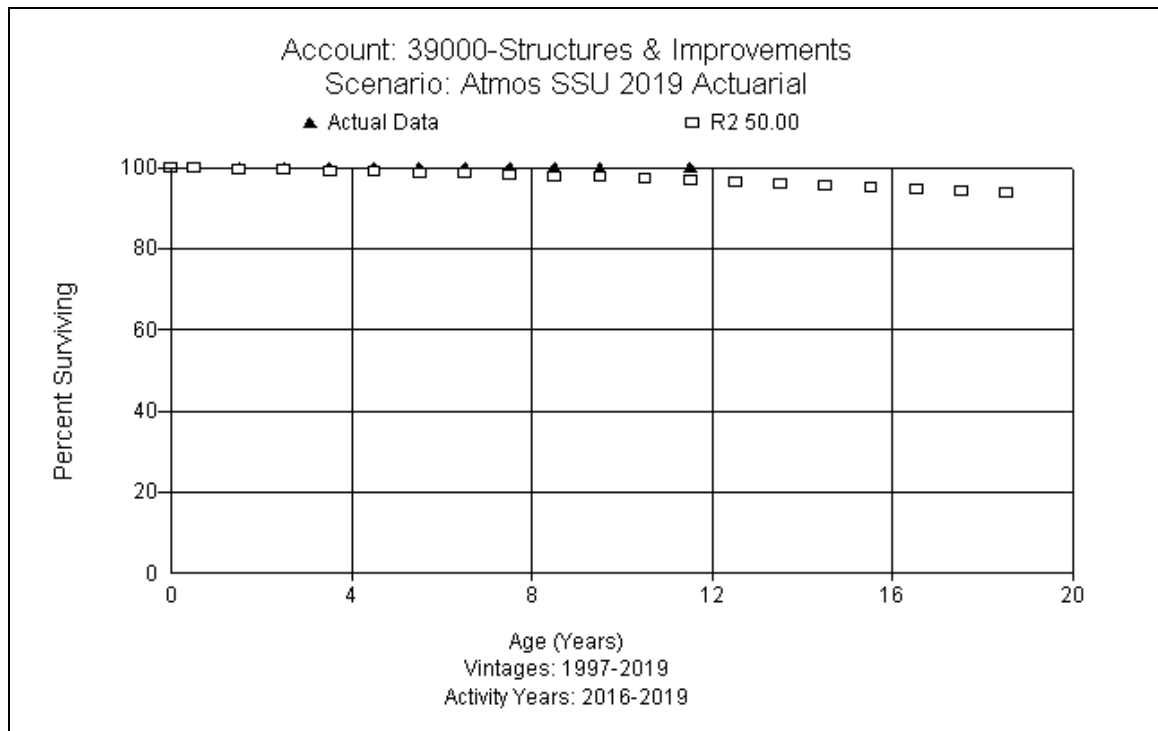
Net Salvage Characteristics

The net salvage analysis, for each account, is shown in Appendix D. Moving averages for intervals are also included in Appendix D. The assets of Shared Services generally do not incur cost of removal and salvage has declined in recent years. In this study a zero percent net salvage is recommended for each account, with the exception of Account 392, Transportation Equipment.

Account Life and Net Salvage Analysis

Account 39000 – Structures & Improvements

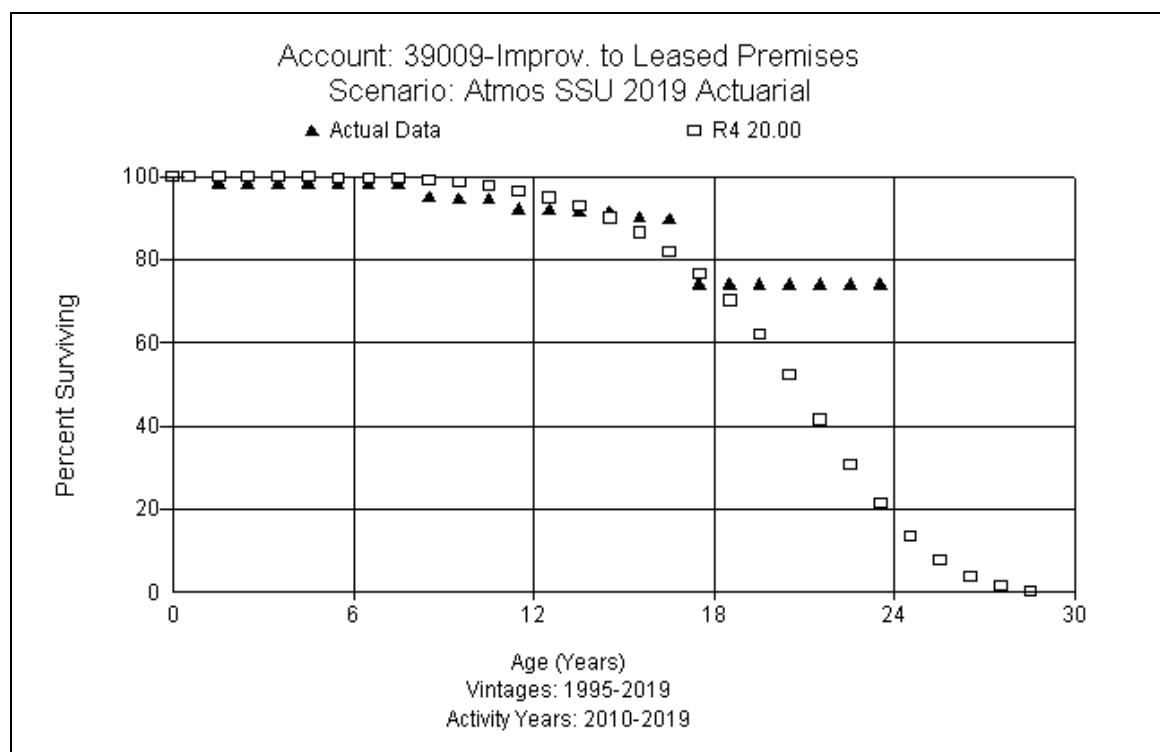
This account includes the cost of buildings and improvements including the Greenville operations center, the Charles K. Vaughn training center, and the call center in Waco. The account balance is \$36 million. The current average age of investment is 9.05 years. There have been few retirements recorded and the mix of assets is weighted to the longer lived buildings. Based on judgment and type of assets this study recommends moving to a 50 year life with the R2 dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



Little to no salvage is expected. However, some cost of removal, at the end of life, is expected for some of the assets but none has been recorded. Therefore, a zero percent net salvage is recommended at this time.

Account 39009 – Improvements to Leased Premises

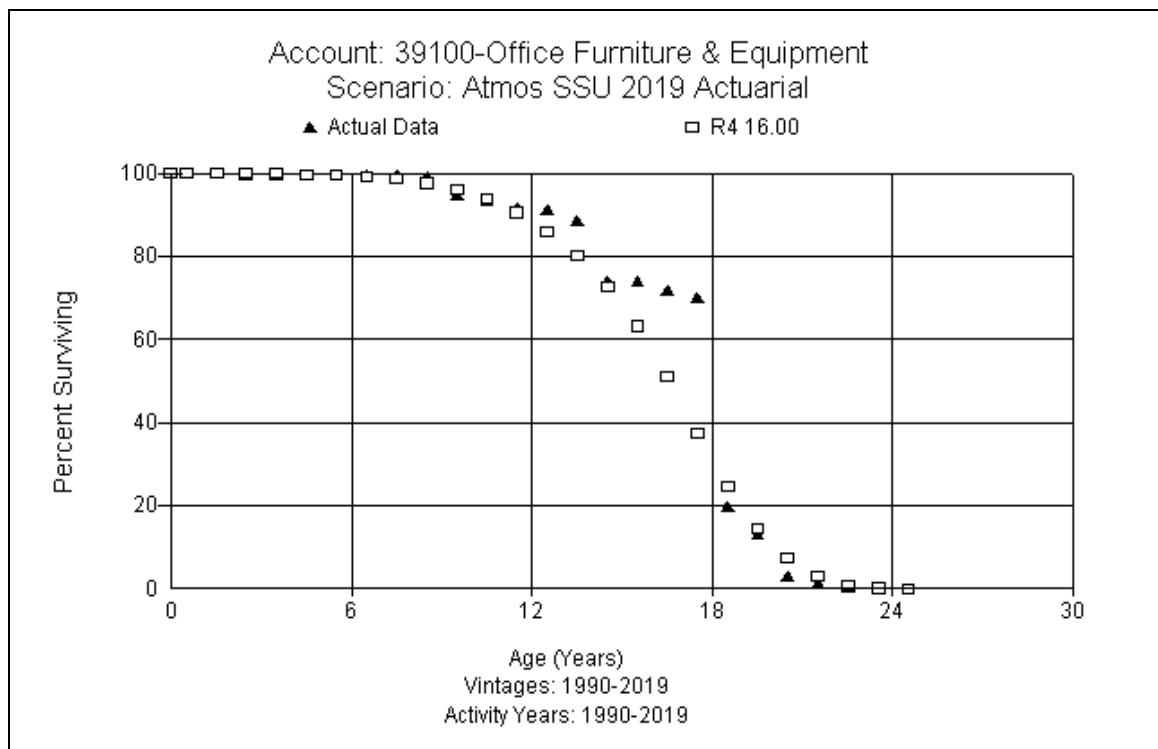
This account includes the cost of improvements to leased premises such as the Dallas office and call centers. The balance is \$12 million. Assets in this account are tied to their lease term, which is 20 years with renewal options. There is no basis to change. This study recommends retaining the 20 R4 at this time. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or removal cost has been recorded and none is expected in the future, therefore a zero percent net salvage is recommending for this account.

Account 39100 – Office Furniture and Equipment

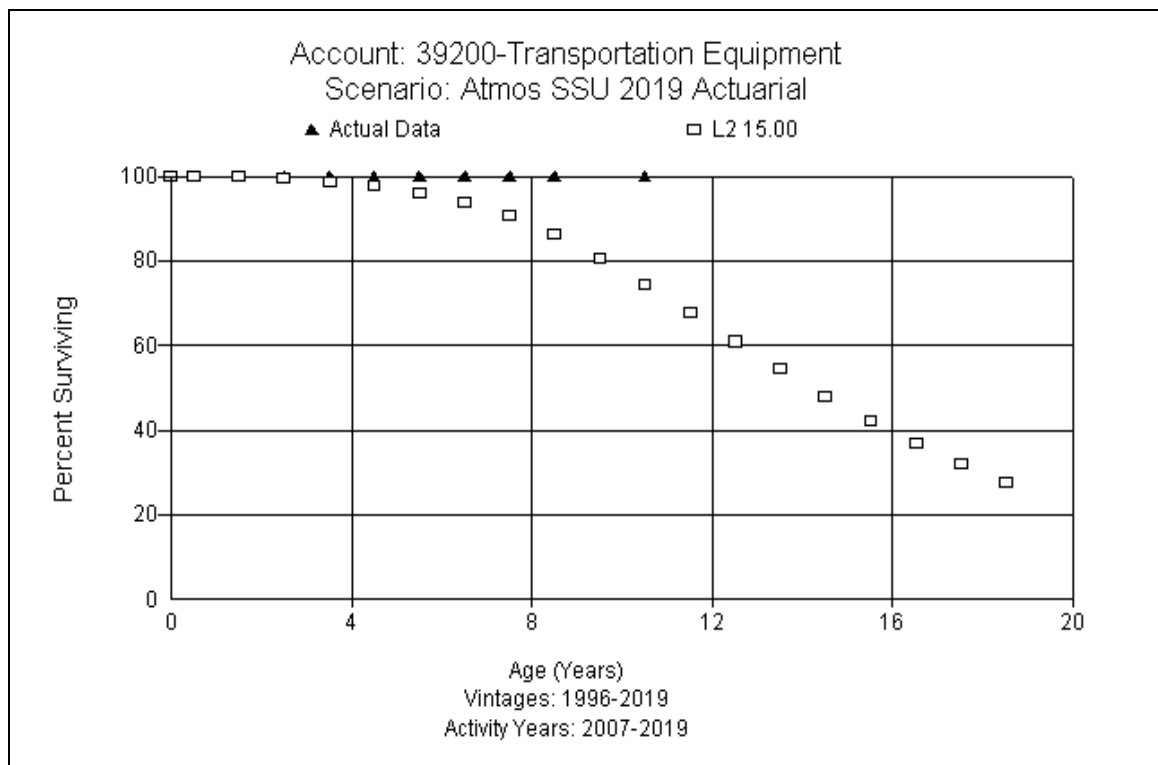
This account consists of modular furniture, desks, chairs, bookcases, credenzas, file cabinets, office machines and other miscellaneous equipment located at the various locations. The balance is \$9.1 million. An expected life range for the assets in this account is 15 to 20 years or longer. However, the current study analysis indicates the assets in this account are experiencing a shorter life. Discussions with Company personnel indicated some offices had been renovated and more retirements have been made than would have been expected in the past. Based on Company input, the analysis, and future expectations, this study recommends moving to a 16 R4 dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



There is no cost of removal and no salvage has been recorded since 1997. No salvage is expected at retirement in the future. A zero percent net salvage rate is recommended for this account.

Account 39200 – Transportation Equipment

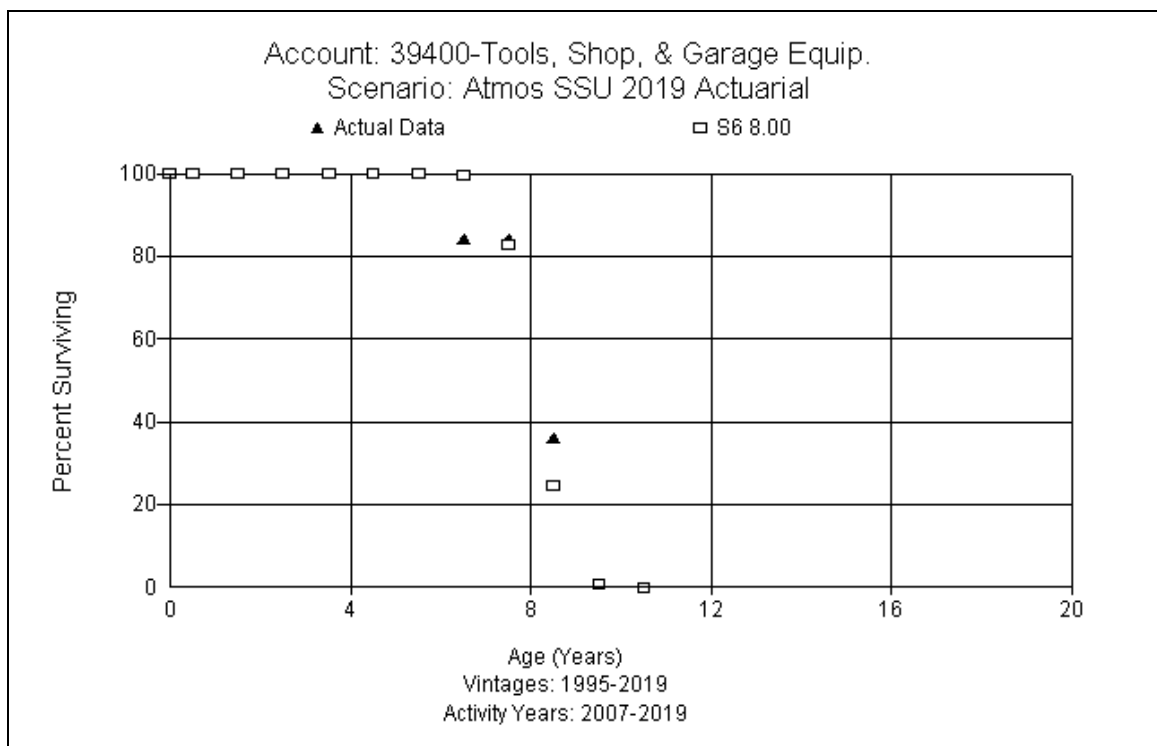
This account consists of all transportation equipment. The balance is \$103 thousand. Depending on the type and mix of assets, this account can range from 5-15 years. The current average age of investment is 9.33 years. Only one retirement has been recorded. The Company leases most of its vehicles and surviving assets are golf carts, a trailer, and other miscellaneous equipment. Based on the surviving assets, this study recommends moving to a 15 L2. A graph of the observed life table and the recommended life and curve are shown below.



No cost of removal has been recorded and none is expected. There has been no salvage recorded over the analysis 2007-2019 historical experience. However, some salvage is expected and a 10 percent net salvage rate is recommended for this account.

Account 39400 – Tools, Shop & Garage Equipment

This account consists of various small tools and equipment used at the various locations. The balance is \$606 thousand in this account. The average age of investment is 4.26 years. Due to the type and use of the assets and the analysis, this study recommends moving to an 8 S6 life and dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded over the analysis 2007-2019 historical experience. There is generally little or no salvage and no cost of removal expected at the time of retirement. This study recommends a zero percent net salvage rate for this account.

Account 39500 – Laboratory Equipment

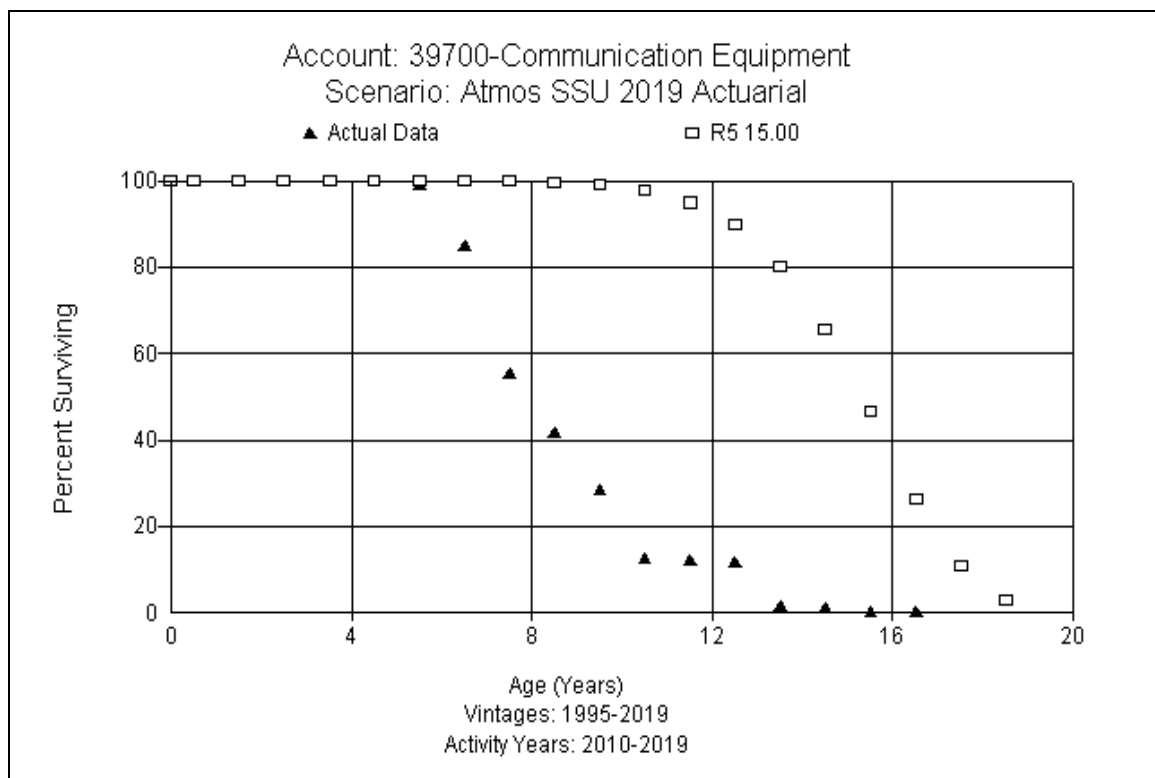
This account consists of laboratory equipment. The balance is \$24 thousand in this account. The average age of investment is 8.01 years. No retirement activity has been recorded so no curve fits were made. Based on the type and use of the assets, this study recommends retention of the 10 R2. No graph is provided.

No salvage or cost of removal has been recorded. There is generally little or no salvage and no cost of removal related to the equipment in the account. This study recommends a zero percent net salvage rate for this account.

Account 39700 – Communications Equipment

The communications equipment account includes communication, computer hardware, telephone, and radio equipment used at the various locations. The balance is \$3.3 million in this account. Discussions with Company personnel indicated that around 2009, there was a contact center built in Amarillo, of which the communication assets are still in service. The average age of the assets is around 10 years old and they have no specific plans to replace significant portions of the communications infrastructure at this point. The Company indicated within 6-9 months, all switches for the call center will be split between Greenville Data center (primary) and Lincoln (backup). All switches were replaced within the last 3 years, including the Lincoln telephone switch. Call center switches were 10-15 years old at retirement. A 15 year life is reasonable and the Company will replace pieces under O&M in the interim.

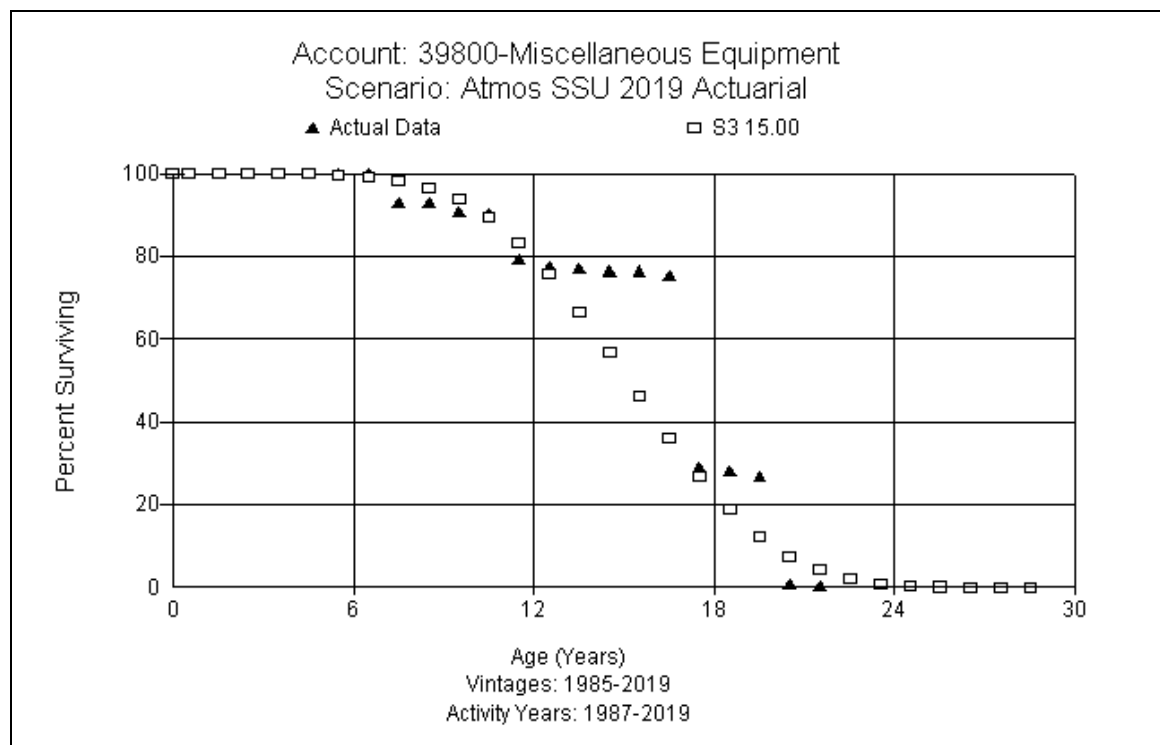
Based on the analysis, the best fits were indicating a life between 7-9 years, which is due to a large level of retirements in the last few years. The shorter life indication in the analysis is not reflective of Company expectations for these assets. Giving consideration to the type, mix, analysis, Company input and judgment, a 15 year life with the R2 dispersion is recommended. A graph of the observed life table and the recommended life and curve are shown below.



Both salvage and cost of removal were recorded in 2004, but none since. No salvage is expected in the future at time of retirement. Little, if any, cost of removal is expected to be recorded for the assets. This study recommends a zero percent net salvage rate for this account.

Account 39800 - Miscellaneous Equipment

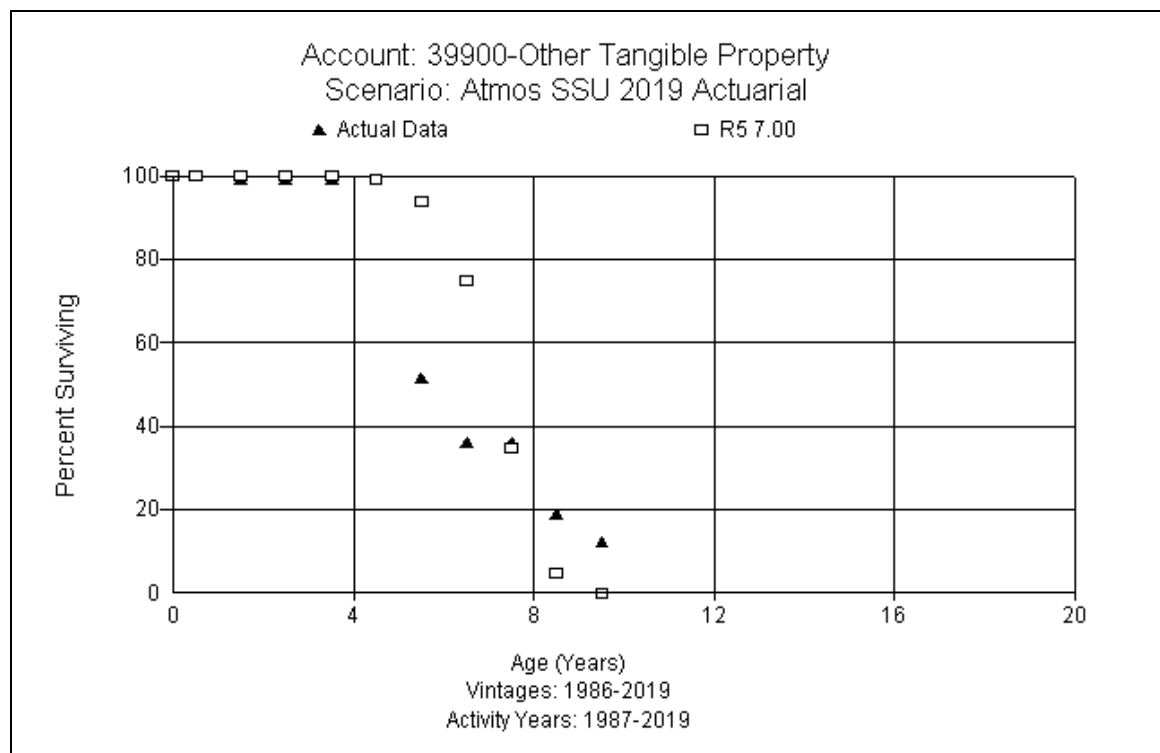
This account consists of various small office equipment items, such as kitchen appliances, televisions and audio/video equipment that are not homogeneous with other plant accounts and are at the various locations. The balance is \$742 thousand. The majority of the fits, except the most recent bands, indicated a life around 15 years. The 15 year average service life with the S3 dispersion for assets in this account is a good fit and is recommended. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded since 1996 and none is expected at the time of retirement. This study recommends a zero percent net salvage rate for this account.

Account 39900 – Other Tangible Property

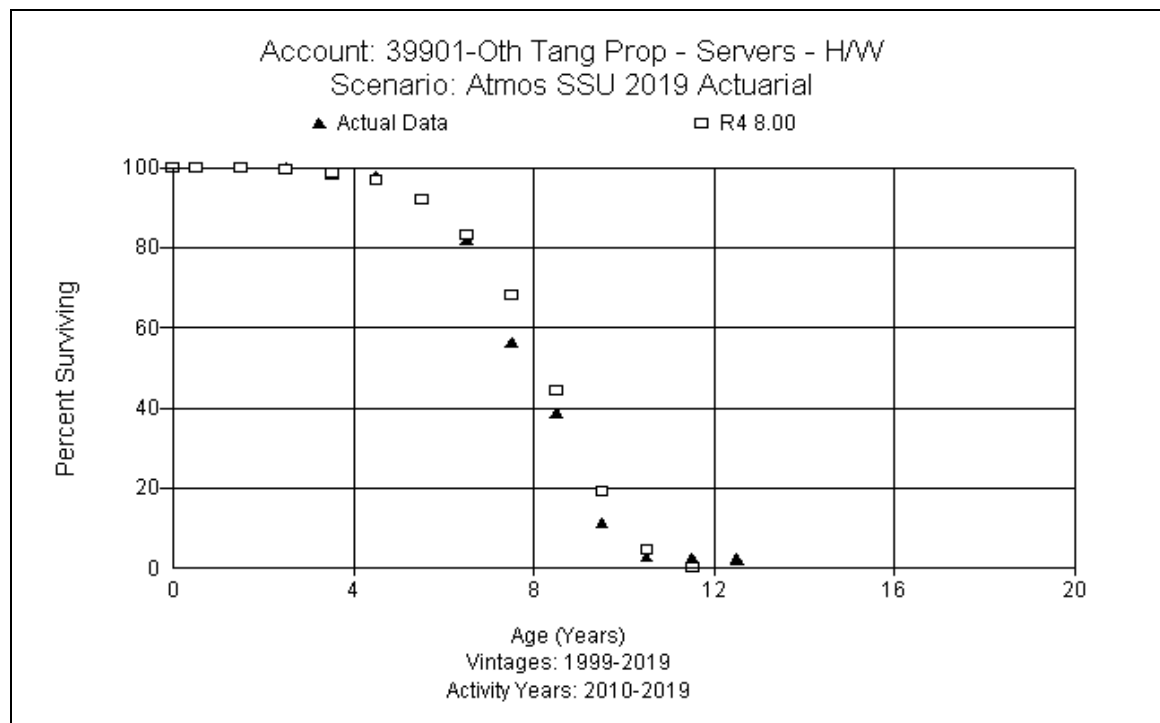
The other tangible property account holds miscellaneous equipment. The account balance is \$296 thousand. The average age of the investment is 2.43 years and average age of retirements is 7.01 years. Best fits indicate a 7 year life, which is consistent with the expectations for this account. The study recommends a 7 year life with the R5 dispersion for this account. A graph of the observed life table and the recommended life and curve are shown below.



There has been no salvage or cost of removal recorded and none is expected in the future. This study recommends a zero percent net salvage rate for this account.

Account 39901 – Servers Hardware

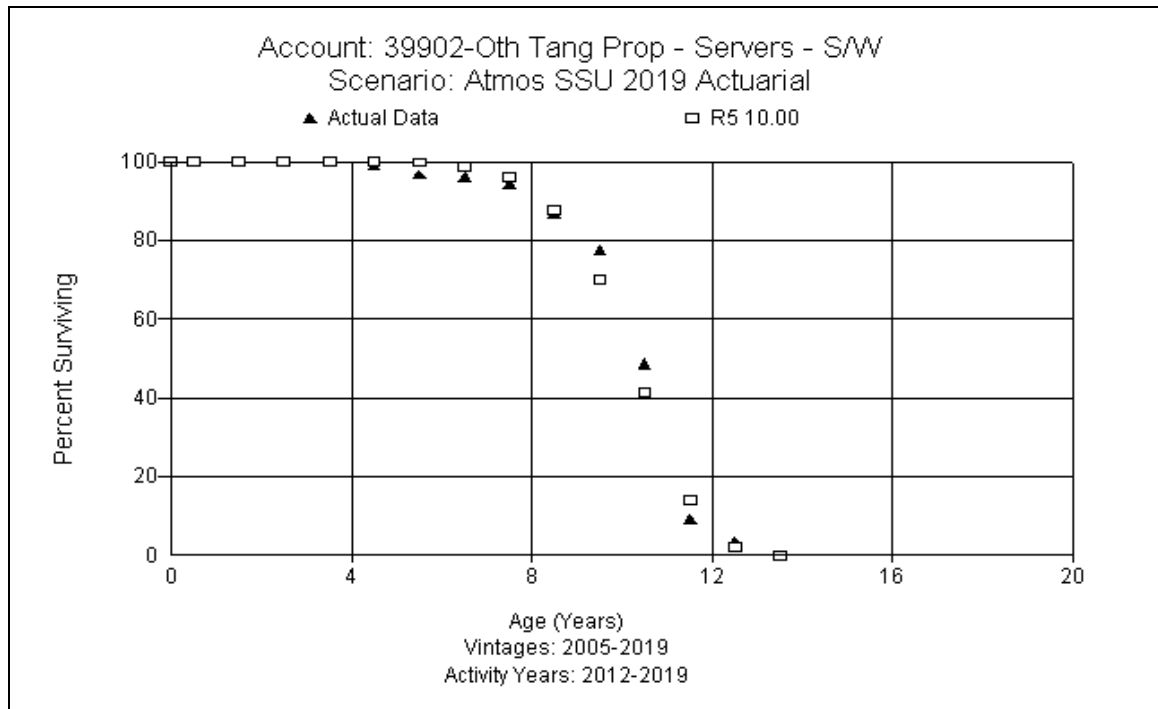
This account consists of assets such as server hardware and equipment used to serve the various locations. The balance is \$33.3 million. The current average age of the surviving balance is 4.45 years and the average age at retirement is 8.97 years. Discussions with Company personnel indicated the initial manufacturer warranty is out after 3 years. The Company generally purchases an extended warranty, which carries them a few years longer. The servers running the SAP system are planned for replacement around 8 years on average. The current life analysis indicates a good fit with the 8 R4. Based on the analysis and Company input, this study recommends an 8 R4. A graph of the observed life table and the recommended life and curve are shown below.



Very little salvage or cost of removal has been recorded in the past and no salvage or cost of removal is expected. A zero percent net salvage rate is recommended for this account.

Account 39902 – Servers Software

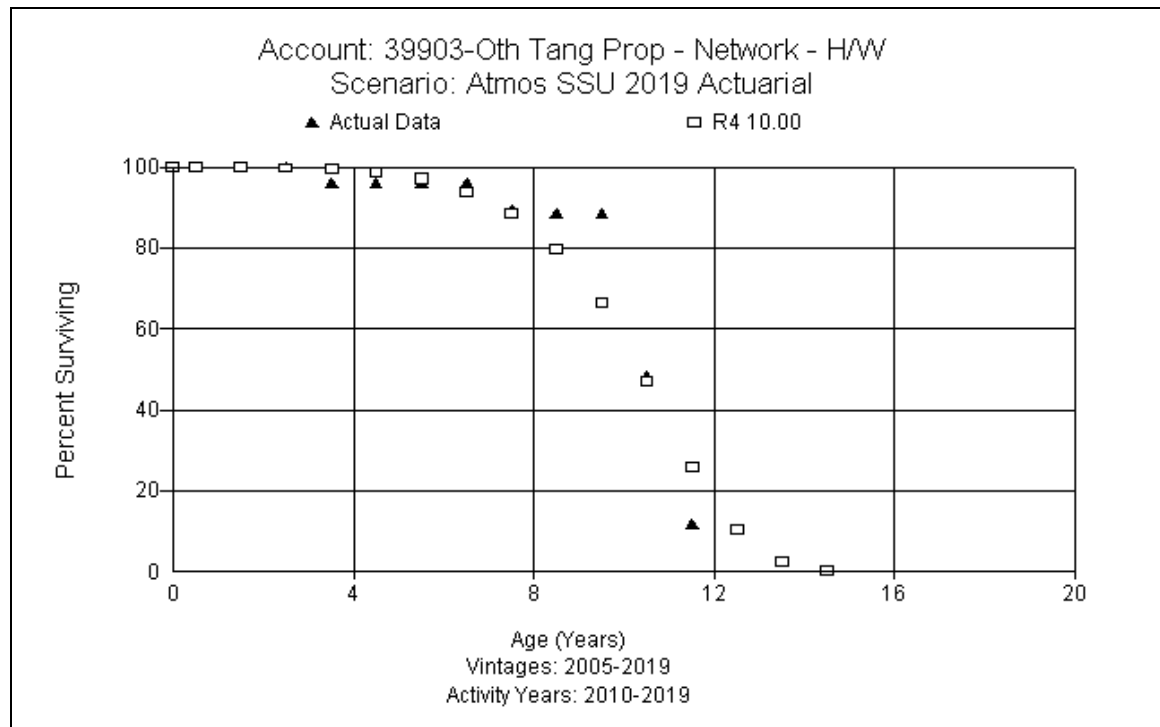
This account consists of assets such as Windows operating systems, Oracle, VMWare, Altiris and other server software. The balance is \$12.4 million. The average age of investment is 5.52 years. The average age of retirements is 11.75 years. Discussions with Company personnel indicated that virtualization disconnects the software from the hardware to some degree and can extend the life of the software as compared to the hardware. There are some perpetual licenses within this category. The life analysis provides a consistent 10 year life indication. Even though technology changes are a driver for retirement and replacement, moving the life longer makes sense operationally. This study recommends a 10 year life with the R5 dispersion pattern. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded and none is expected in the future. A zero percent net salvage rate is recommended for this account.

Account 39903 – Network Hardware

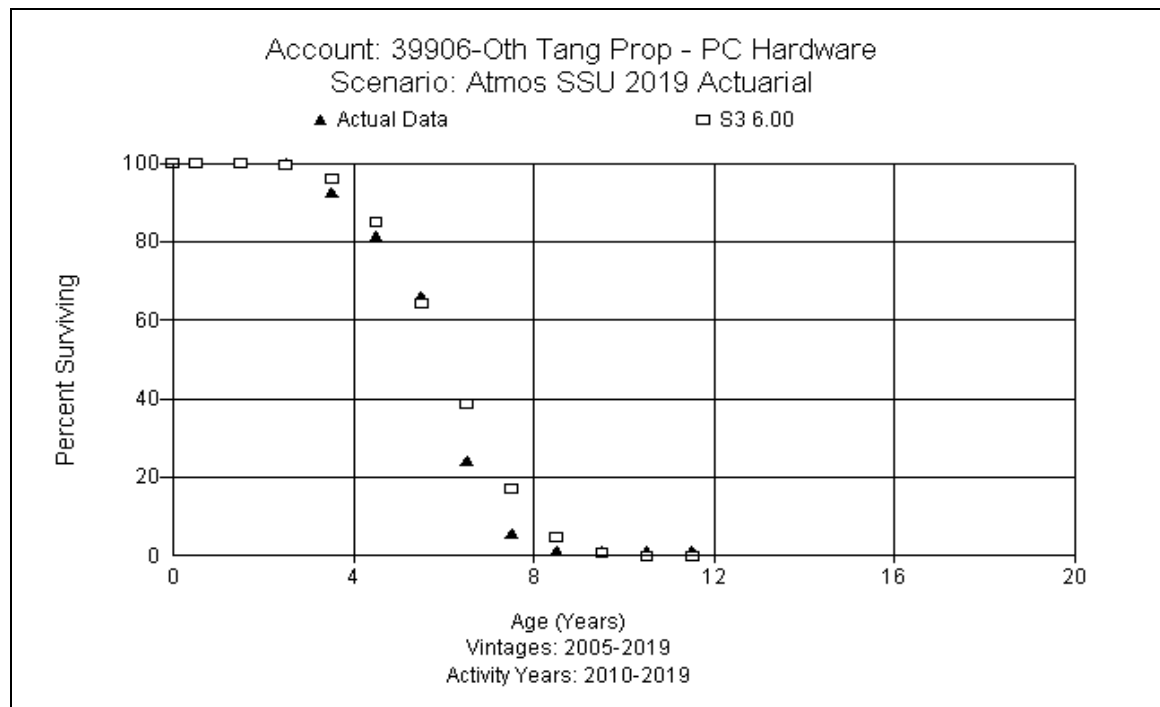
This account consists of assets related to networking activities such as routers, switches and miscellaneous equipment. The balance is \$5.4 million. The average age of retirements is 9.82 years and the average age of investment is 6.15 years. Discussions with Company personnel indicated the 2009 investment was for the data center, which has been replaced this year at around 10 years of age. A 10 year life is generally what they experience and expect. The analysis indicates consistent fits at 10 years. This study recommends the 10 R4, which is slightly longer than server hardware. A graph of the observed life table and the recommended life and curve are shown below.



Cost of removal was recorded in 2012, but none since. No salvage or cost of removal is expected in the future. A zero percent net salvage rate is recommended for this account.

Account 39906 – PC Hardware

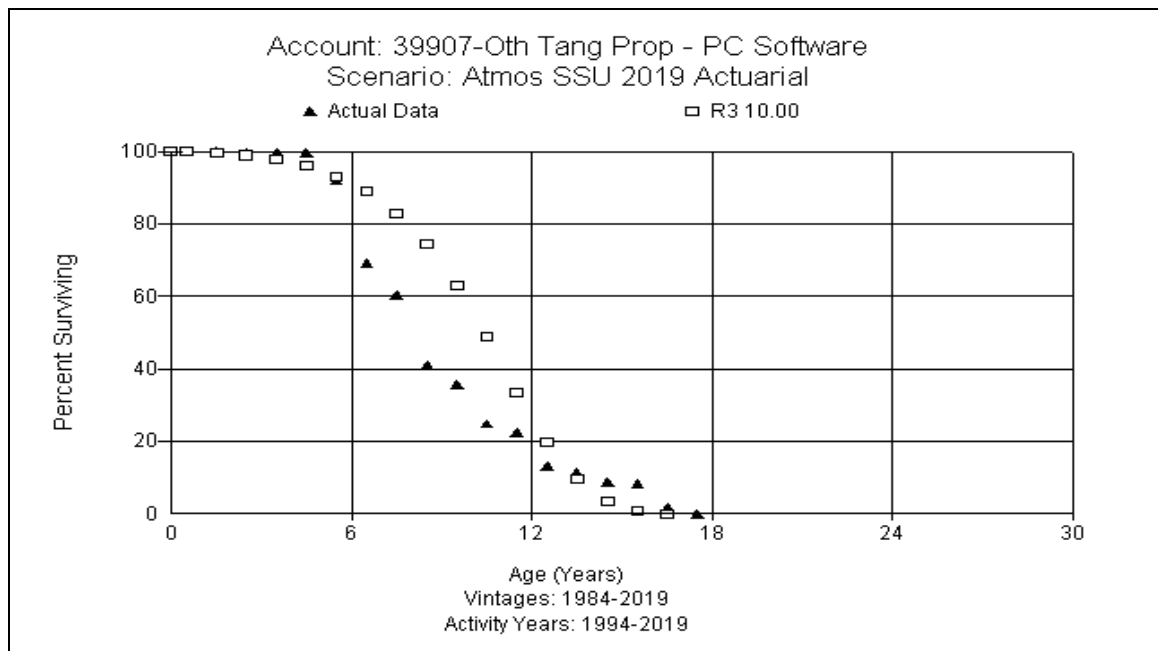
This account consists of costs for computer hardware, desktop and laptop computers, as well as peripherals. The balance is \$3.2 million. The average age of investment is 2.93 years and average age of retirements is 7.18 years. Discussions with Company personnel indicated there has been no material change in the replacement policies or practices. There can be delays in retiring some computers due to prep for retiring or being kept as a spare or in inventory. Some peripherals may have a longer life as well. Operationally, a 6 year life is reasonable. The life indications in the actuarial analysis suggest a life between 6-7 years. Based on the life analysis, Company input, and judgment, this study recommends the 6 year life and S3 dispersion. A graph of the observed life table and the recommended life and curve are shown below.



Generally, the Company pays a third party to pick up old PCs but at a nominal cost. Some salvage has been recorded but overall is sporadic and minimal. This study recommends a zero percent net salvage rate for this account.

Account 39907 – PC Software

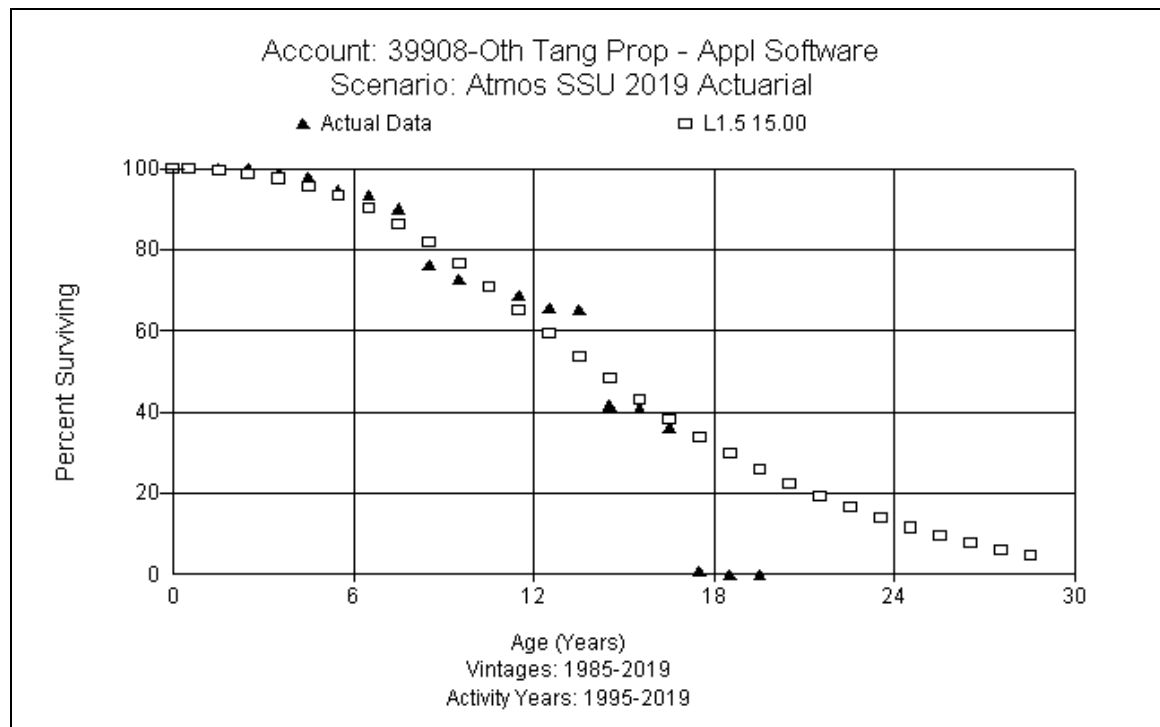
The PC software account consists of costs related to software assets and previously included operating system software. The balance is \$1.5 million. The average age of investment is 7.46 years and average age of retirements is 9.12 years. Discussions with Company personnel indicated most software is now included with the hardware at purchase. However, there are numerous other types of software that are purchased and recorded to this account. Over the past 10 years, the Company indicated they had a few “one off” situations, such as the conversion of their contact center PC environment to a virtual desktop infrastructure (VDI) environment, so the recent historical additions and retirements may not reflect the true lifespan. The Company believes a 10 year life is reasonable. The analysis indicates a life between 7-9 years. Based on the analysis, Company input, type of assets, and judgment, this study recommends the 10 R3 dispersion at this time. A graph of the observed life table and the recommended life and curve are shown below.



No salvage or cost of removal has been recorded and none is expected. This study recommends a zero percent net salvage rate for this account.

Account 39908 – Application Software

The applications software account consists of costs related to large software assets including billing system software, electronic mapping and training software applications, Oracle upgrade, Banner, Data Mart System, PowerPlant System, Advantage System application and the Waco Call Center IT build. The balance is \$212 million. The prior study dispersion pattern was 15 R5. The average age of the surviving investment is 6.47 years and average age of retirements is 12.44 years. Discussions with Company personnel indicated that their expectation for the major software platforms is that they can last 15 years or more. They will upgrade but not retire the original asset unless they moved to a different platform. Based on the analysis, numerous fits are between 13 to 15 years. Based on all the information and judgment, this study recommends the 15 year average service life with the L1.5 dispersion for this account. A graph of the observed life table and the recommended life and curve are shown below.



Some cost of removal was recorded in 2013 but is none is expected in the future. This study recommends a zero percent net salvage rate for this account.

APPENDIX A - Annual Accrual and Rate

Appendix A

Atmos Energy - Shared Services
Depreciation Study Annual Depreciation Rates and Accruals
At September 30, 2019

Account	Description	Plant Balance 09/30/2019	Annual	
			Accrual Rate	Accrual Amount
(a)	(b)	(c)	(d)	(e)
39000	Structures & Improvements	35,954,767.62	2.38%	857,131.21
39009	Improvements - Leased	12,035,696.09	5.13%	617,786.63
39100	Office Furniture & Equipment	9,098,412.62	6.60%	600,829.24
39200	Transportation Equipment	103,415.63	6.29%	6,507.87
39400	Tools Shop And Garage	606,029.27	13.04%	79,006.99
39500	Laboratory Equipment	23,632.07	9.70%	2,292.22
39700	Communication Equipment	3,269,128.21	6.72%	219,553.72
39800	Miscellaneous Equipmeent	741,799.79	7.24%	53,739.73
39900	Other Tangible Equipment	295,692.36	14.96%	44,240.66
39901	Servers-Hardware	33,275,868.85	13.30%	4,426,644.24
39902	Servers-Software	12,446,587.47	10.63%	1,323,467.74
39903	Network Hardware	5,427,397.84	10.34%	561,162.43
39906	PC Hardware	3,181,360.16	17.92%	570,020.36
39907	PC Software	1,511,356.80	10.75%	162,405.87
39908	Application Software	211,721,688.05	7.55%	15,989,991.28
	Total Depreciable Plant	329,692,832.83	7.74%	25,514,780.17

APPENDIX B - Calculation of Accrual and Rates

Appendix B

Atmos Energy - Shared Services
At September 30, 2019
Calculation of Depreciation Annual Accrual
With Reserve Reallocation

Account	Description	Plant Balance	Allocated Book Reserve	Net Salvage %	Net Salvage Amount	Unaccrued Balance	Remaining Life	Annual	
								Accrual Amount	Accrual Rate
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
39000	Structures & Improvements	\$ 35,954,767.62	\$ 7,245,549.20	0%	\$ -	\$ 28,709,218.42	33.49	\$ 857,131.21	2.38%
39009	Improvements - Leased	12,035,696.09	8,743,660.22	0%	-	3,292,035.87	5.33	617,786.63	5.13%
39100	Office Furniture & Equipment	9,098,412.62	4,488,607.00	0%	-	4,609,805.62	7.67	600,829.24	6.60%
39200	Transportation Equipment	103,415.63	53,933.77	10%	10,341.56	39,140.29	6.01	6,507.87	6.29%
39400	Tools Shop And Garage	606,029.27	301,752.22	0%	-	304,277.05	3.85	79,006.99	13.04%
39500	Laboratory Equipment	23,632.07	15,790.70	0%	-	7,841.37	3.42	2,292.22	9.70%
39700	Communication Equipment	3,269,128.21	1,869,500.29	0%	-	1,399,627.92	6.37	219,553.72	6.72%
39800	Miscellaneous Equipment	741,799.79	293,625.50	0%	-	448,174.29	8.34	53,739.73	7.24%
39900	Other Tangible Equipment	295,692.36	100,002.35	0%	-	195,690.01	4.42	44,240.66	14.96%
39901	Servers-Hardware	33,275,868.85	17,518,682.46	0%	-	15,757,186.39	3.56	4,426,644.24	13.30%
39902	Servers-Software	12,446,587.47	6,541,118.15	0%	-	5,905,469.32	4.46	1,323,467.74	10.63%
39903	Network Hardware	5,427,397.84	2,954,522.98	0%	-	2,472,874.86	4.41	561,162.43	10.34%
39906	PC Hardware	3,181,360.16	1,489,561.94	0%	-	1,691,798.22	2.97	570,020.36	17.92%
39907	PC Software	1,511,356.80	632,273.09	0%	-	879,083.71	5.41	162,405.87	10.75%
39908	Application Software	211,721,688.05	87,880,219.17	0%	-	123,841,468.88	7.74	15,989,991.28	7.55%
Total Depreciable Plant		\$ 329,692,832.83	\$ 140,128,799.05		\$ 10,341.56	\$ 189,553,692.22		\$ 25,514,780.17	7.74%

APPENDIX C - Parameters

Appendix C

Atmos Energy - Shared Services Unit
Proposed Depreciation Parameters
Depreciation Study as of September 30, 2019

		Proposed 2019				
Account	Description	ASL	Curve	Gross Salvage	Cost of Removal	Net Salvage
DIVISION 002 - SSU GENERAL OFFICE AND DIVISION 12 - SSU CUSTOMER SUPPORT						
39000	Structure & Improvements	50	R2	0%	0%	0%
39009	Improvements - Leased	20	R4	0%	0%	0%
39100	Office Furniture & Equipment	16	R4	0%	0%	0%
39200	Transportation Equipment	15	L2	10%	0%	10%
39400	Tools, Shop, & Garage Equipment	8	S6	0%	0%	0%
39500	Laboratory Equipment	10	R2	0%	0%	0%
39700	Communication Equipment	15	R2	0%	0%	0%
39800	Miscellaneous Equipment	15	S3	0%	0%	0%
39900	Other Tangible Equipment	7	R5	0%	0%	0%
39901	Servers-Hardware	8	R4	0%	0%	0%
39902	Servers-Software	10	R5	0%	0%	0%
39903	Network Hardware	10	R4	0%	0%	0%
39906	Pc Hardware	6	S3	0%	0%	0%
39907	Pc Software	10	R3	0%	0%	0%
39908	Application Software	15	L1.5	0%	0%	0%

APPENDIX D - Net Salvage Analysis

Appendix D

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2019
Net Salvage Analysis

Account and Description	Activity Year	Retirement	Gross Salvage	Cost of Removal	Net Salvage	Net Salv. %	2- yr Net Salv. %	3- yr Net Salv. %	4- yr Net Salv. %	5- yr Net Salv. %	6- yr Net Salv. %	7- yr Net Salv. %	8- yr Net Salv. %	9- yr Net Salv. %	10- yr Net Salv. %
39000-Structures & Improvements	2007	0	-	-	0	NA									
	39000 2008	0	-	-	0	NA	NA								
	39000 2009	0	-	-	0	NA	NA	NA							
	39000 2010	0	-	-	0	NA	NA	NA	NA						
	39000 2011	0	-	-	0	NA	NA	NA	NA	NA					
	39000 2012	0	-	-	0	NA	NA	NA	NA	NA	NA				
	39000 2013	0	-	-	0	NA	NA	NA	NA	NA	NA	NA			
	39000 2014	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		
	39000 2015	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39000 2016	32,330	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2017	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2018	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39000 2019	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39009-Improv. to Leased Premises	2000	270,911	-	-	0	0.0%									
	39009 2001	0	-	-	0	NA	0.0%								
	39009 2002	0	-	-	0	NA	NA	0.0%							
	39009 2003	0	-	-	0	NA	NA	NA	0.0%						
	39009 2004	0	-	-	0	NA	NA	NA	NA	0.0%					
	39009 2005	0	-	-	0	NA	NA	NA	NA	NA	0.00%				
	39009 2006	178,757	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39009 2007	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39009 2008	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39009 2009	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2010	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2011	0	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2012	35,417	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2013	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2014	126,214	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2015	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2016	1,473,692	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2017	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2018	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39009 2019	437,956	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39100-Office Furniture & Equipment	1993	83,992	200	-	200	0.2%									
	39100 1994	7,848	-	-	0	0.0%	0.2%								
	39100 1995	852	-	-	0	0.0%	0.0%	0.2%							
	39100 1996	92,361	-	-	0	0.0%	0.0%	0.0%	0.1%						
	39100 1997	0	-	(5,108)	5,108	NA	5.5%	5.5%	5.1%	2.9%					
	39100 1998	6,852	-	-	0	0.0%	74.5%	5.1%	5.1%	4.7%	2.77%				
	39100 1999	0	-	-	0	NA	0.0%	74.5%	5.1%	5.1%	4.73%	2.77%			

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2019
Net Salvage Analysis

		Activity		Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr
Account and Description	Year	Retirement	Salvage	Removal	Salvage	Salv. %	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %
	39100	2000	0	-	-	0	NA	NA	0.0%	74.5%	5.1%	5.10%	4.73%	2.77%		
	39100	2001	0	-	-	0	NA	NA	NA	0.0%	74.5%	5.15%	5.10%	4.73%	2.77%	
	39100	2002	0	-	-	0	NA	NA	NA	NA	0.0%	74.55%	5.15%	5.10%	4.73%	2.77%
	39100	2003	0	-	-	0	NA	NA	NA	NA	NA	0.00%	74.55%	5.15%	5.10%	4.73%
	39100	2004	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	74.55%	5.15%	5.10%
	39100	2005	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	74.55%	5.15%
	39100	2006	1,420,965	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.36%
	39100	2007	462,906	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2008	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2009	225,893	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2010	169,286	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2011	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2012	788,808	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2013	1,602,991	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2014	1,163	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2015	358,930	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2016	1,020,915	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2017	4,530,386	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2018	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39100	2019	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39200-Transportation Equipment		2007	18,885	-	-	0	0.0%									
	39200	2008	0	-	-	0	NA	0.0%								
	39200	2009	0	-	-	0	NA	NA	0.0%							
	39200	2010	0	-	-	0	NA	NA	NA	0.0%						
	39200	2011	0	-	-	0	NA	NA	NA	NA	0.0%					
	39200	2012	0	-	-	0	NA	NA	NA	NA	NA	0.00%				
	39200	2013	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%			
	39200	2014	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%		
	39200	2015	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%	
	39200	2016	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
	39200	2017	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39200	2018	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39200	2019	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
39300-Stores Equipment		2007	0	-	-	0	NA									
	39300	2008	0	-	-	0	NA	NA								
	39300	2009	0	-	-	0	NA	NA	NA							
	39300	2010	0	-	-	0	NA	NA	NA	NA						
	39300	2011	0	-	-	0	NA	NA	NA	NA	NA					
	39300	2012	0	-	-	0	NA	NA	NA	NA	NA	NA				
	39300	2013	0	-	-	0	NA	NA	NA	NA	NA	NA	NA			
	39300	2014	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA		

ATMOS ENERGY - SHARED SERVICES UNIT
Depreciation Study as of September 30, 2019
Net Salvage Analysis

			Activity		Gross	Cost of	Net	Net	2- yr	3- yr	4- yr	5- yr	6- yr	7- yr	8- yr	9- yr	10- yr	
Account and Description			Year	Retirement	Salvage	Removal	Salvage	Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	Net Salv. %	
39400-Tools, Shop, & Garage Equip.	39300	2015	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39300	2016	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39300	2017	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39300	2018	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39300	2019	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
		2007	7,683	-	-	0	0.0%											
	39400	2008	0	-	-	0	NA	0.0%										
	39400	2009	0	-	-	0	NA	NA	0.0%									
	39400	2010	0	-	-	0	NA	NA	NA	0.0%								
	39400	2011	0	-	-	0	NA	NA	NA	NA	0.0%							
	39400	2012	0	-	-	0	NA	NA	NA	NA	NA	0.00%						
	39400	2013	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%					
	39400	2014	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%				
	39400	2015	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%			
	39400	2016	28	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
39400	2017	123,340	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
39400	2018	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
39400	2019	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		
39500-Laboratory Equipment		2007	0	-	-	0	NA											
	39500	2008	0	-	-	0	NA	NA										
	39500	2009	0	-	-	0	NA	NA	NA									
	39500	2010	0	-	-	0	NA	NA	NA	NA								
	39500	2011	0	-	-	0	NA	NA	NA	NA	NA							
	39500	2012	0	-	-	0	NA	NA	NA	NA	NA	NA						
	39500	2013	0	-	-	0	NA	NA	NA	NA	NA	NA	NA					
	39500	2014	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA				
	39500	2015	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA			
	39500	2016	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	39500	2017	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39500	2018	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39500	2019	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	39700-Communication Equipment		1993	8,091	-	-	0	0.0%										
		39700	1994	0	-	-	0	NA	0.0%									
39700		1995	0	-	-	0	NA	NA	0.0%									
39700		1996	0	-	-	0	NA	NA	NA	0.0%								
39700		1997	0	-	-	0	NA	NA	NA	NA	0.0%							
39700		1998	0	-	-	0	NA	NA	NA	NA	NA	0.00%						
39700		1999	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%					
39700		2000	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%				

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	39700	2001	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	
	39700	2002	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	0.00%
	39700	2003	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	NA	NA
	39700	2004	34,015	26,609	3,107	23,502	69.1%	69.1%	69.1%	69.1%	69.1%	69.09%	69.09%	69.09%	69.09%
	39700	2005	0	-	-	0	NA	69.1%	69.1%	69.1%	69.1%	69.09%	69.09%	69.09%	69.09%
	39700	2006	792,568	-	-	0	0.0%	0.0%	2.8%	2.8%	2.8%	2.84%	2.84%	2.84%	2.84%
	39700	2007	0	-	-	0	NA	0.0%	0.0%	2.8%	2.8%	2.84%	2.84%	2.84%	2.84%
	39700	2008	16,530	-	-	0	0.0%	0.0%	0.0%	0.0%	2.8%	2.79%	2.79%	2.79%	2.79%
	39700	2009	0	-	-	0	NA	0.0%	0.0%	0.0%	2.79%	2.79%	2.79%	2.79%	2.79%
	39700	2010	0	-	-	0	NA	NA	0.0%	0.0%	0.00%	2.79%	2.79%	2.79%	2.79%
	39700	2011	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	2.79%	2.79%
	39700	2012	24,247,440	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.09%	0.09%
	39700	2013	118,856	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.09%
	39700	2014	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39700	2015	34,412				0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39700	2016	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39700	2017	1,440,196	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39700	2018	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39700	2019	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
39800-Miscellaneous Equipment		1996	149,090	9,000	-	9,000	6.0%								
	39800	1997	0	-	-	0	NA	6.0%							
	39800	1998	0	-	-	0	NA	NA	6.0%						
	39800	1999	0	-	-	0	NA	NA	NA	6.0%					
	39800	2000	0	-	-	0	NA	NA	NA	NA	6.0%				
	39800	2001	0	-	-	0	NA	NA	NA	NA	6.04%				
	39800	2002	0	-	-	0	NA	NA	NA	NA	NA	6.04%			
	39800	2003	56,637	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	4.37%		
	39800	2004	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	4.37%	
	39800	2005	0	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	4.37%	
	39800	2006	0	-	-	0	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2007	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2008	419,274	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2009	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2010	0	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39800	2011	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2012	25,971	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2013	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2014	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2015	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2016	190,238	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2017	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2018	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%
	39800	2019	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%

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39900-Other Tangible Property	1994	219,471	-	-	0	0.0%									
39910-CKV-Other Tangible Property	1995	0	-	-	0	NA	0.0%								
39918-CKV-Other Tangible Property	1996	0	-	-	0	NA	NA	0.0%							
39924-Other Tangible Property General	1997	0	-	-	0	NA	NA	NA	0.0%						
	39900 1998	0	-	-	0	NA	NA	NA	NA	0.0%					
	39900 1999	0	-	-	0	NA	NA	NA	NA	NA	0.00%				
	39900 2000	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%			
	39900 2001	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%		
	39900 2002	8,143	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39900 2003	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2004	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2005	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2006	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2007	0	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2008	224,866	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2009	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2010	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2011	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2011	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2012	0	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2013	23,172,326	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2014	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2015	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2016	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2017	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2018	649,727	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39900 2019	252,609	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39901-Oth Tang Prop - Servers - H/W	2007	0	-	-	0	NA									
39921-OthTang Prop-Servers-H/W-AEAM	2008	0	-	-	0	NA	NA								
	39901 2009	0	-	-	0	NA	NA	NA							
	39901 2010	0	-	-	0	NA	NA	NA	NA						
	39901 2011	0	-	-	0	NA	NA	NA	NA	NA					
	39901 2012	10,873,205	-	(129)	129	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39901 2013	3,585,984	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39901 2014	452,050	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39901 2015	8,526,616	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39901 2016	458,171	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2017	1,469,953	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2018	19,665,278	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39901 2019	106,175	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

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39902-Oth Tang Prop - Servers - S/W	2007	0	-	-	0	NA									
39922-OthTang Prop-Servers-S/W-AEAM	2008	0	-	-	0	NA	NA								
	39902 2009	0	-	-	0	NA	NA	NA							
	39902 2010	0	-	-	0	NA	NA	NA	NA						
	39902 2011	0	-	-	0	NA	NA	NA	NA	NA					
	39902 2012	6,624,796	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39902 2013	1,467,368	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39902 2014	497,701	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39902 2015	226,110	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39902 2016	163,043	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2017	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2018	1,066,305	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39902 2019	10,688,604	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39903-Oth Tang Prop - Network - H/W	2006	11,472	-	-	0	0.0%									
39923-OthTang Prop-Network-H/W-AEAM	2007	0	-	-	0	NA	0.0%								
	39903 2008	0	-	-	0	NA	NA	0.0%							
	39903 2009	0	-	-	0	NA	NA	NA	0.0%						
	39903 2010	0	-	-	0	NA	NA	NA	NA	0.0%					
	39903 2011	0	-	-	0	NA	NA	NA	NA	NA	0.00%				
	39903 2012	886,044	-	1,278	(1,278)	-0.1%	-0.1%	-0.1%	-0.1%	-0.1%	-0.14%	-0.14%			
	39903 2013	110,059	-	-	0	0.0%	-0.1%	-0.1%	-0.1%	-0.1%	-0.13%	-0.13%	-0.13%		
	39903 2014	237,149	-	-	0	0.0%	0.0%	-0.1%	-0.1%	-0.1%	-0.10%	-0.10%	-0.10%	-0.10%	
	39903 2015	1,348,505	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2016	33,700	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2017	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	-0.05%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2018	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	-0.05%	-0.05%	-0.05%	-0.05%
	39903 2019	192,678	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	-0.05%	-0.05%	-0.05%
39904-Oth Tang Prop - Mainframe - CPU	2007	0	-	-	0	NA									
	39904 2008	0	-	-	0	NA	NA								
	39904 2009	0	-	-	0	NA	NA	NA							
	39904 2010	0	-	-	0	NA	NA	NA	NA						
	39904 2011	0	-	-	0	NA	NA	NA	NA	NA					
	39904 2012	1,095,465	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39904 2013	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39904 2014	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39904 2015	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39904 2016	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39904 2017	0	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39904 2018	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39904 2019	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%

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39905-Oth Tang Prop - Mainframe - H/W	2007	0	-	-	0	NA									
	39905 2008	0	-	-	0	NA	NA								
	39905 2009	0	-	-	0	NA	NA	NA							
	39905 2010	0	-	-	0	NA	NA	NA	NA						
	39905 2011	0	-	-	0	NA	NA	NA	NA	NA					
	39905 2012	1,159,964	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39905 2013	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39905 2014	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39905 2015	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39905 2016	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39905 2017	0	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39905 2018	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39905 2019	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%
39906-Oth Tang Prop - PC Hardware	1994	97,832	-	-	0	0.0%									
39916-CKV-Oth Tang Prop-PC Hardware	1995	0	-	-	0	NA	0.0%								
	39906 1996	116,913	-	-	0	0.0%	0.0%	0.0%							
	39906 1997	0	-	-	0	NA	0.0%	0.0%	0.0%						
	39906 1998	0	-	-	0	NA	NA	0.0%	0.0%	0.0%					
	39906 1999	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%				
	39906 2000	2,832	3,000	45	2,955	104.3%	104.3%	104.3%	104.3%	2.5%	2.47%	1.36%			
	39906 2001	0	-	-	0	NA	104.3%	104.3%	104.3%	104.3%	2.47%	2.47%	1.36%		
	39906 2002	6,189,732	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	
	39906 2003	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	0.05%
	39906 2004	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	0.05%
	39906 2005	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.05%	0.05%	0.05%	0.05%	0.05%
	39906 2006	2,632,955	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.03%	0.03%	0.03%	0.03%
	39906 2007	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.03%	0.03%	0.03%
	39906 2008	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.03%	0.03%
	39906 2009	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.03%
	39906 2010	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2011	0	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2011	2,825,516	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2012	4,649,967	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2013	217,744	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2014	162,562	250	-	250	0.2%	0.1%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2015	1,660,308	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2016	696,097	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2017	18,020	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39906 2018	1,738,169	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.01%	0.00%	0.00%	0.00%	0.00%
	39906 2019	148,508	3,272	-	3,272	2.2%	0.2%	0.2%	0.1%	0.1%	0.08%	0.08%	0.04%	0.03%	0.03%

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39907-Oth Tang Prop - PC Software	1994	38,759	-	-	0	0.0%									
39917-CKV-Oth Tang Prop-PC Software	1995	0	-	-	0	NA	0.0%								
	39907 1996	0	-	-	0	NA	NA	0.0%							
	39907 1997	0	-	-	0	NA	NA	NA	0.0%						
	39907 1998	0	-	-	0	NA	NA	NA	NA	0.0%					
	39907 1999	0	-	-	0	NA	NA	NA	NA	NA	0.00%				
	39907 2000	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%			
	39907 2001	0	-	-	0	NA	NA	NA	NA	NA	NA	NA	0.00%		
	39907 2002	861,539	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39907 2003	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2004	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2005	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2006	16,495	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2007	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2008	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2009	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2010	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2011	0	-	-	0	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2011	0	-	-	0	NA	NA	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%
	39907 2012	2,918,743	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2013	366,151	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2014	599,561	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2015	864,238	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2016	143,271	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2017	132,181	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2018	294,805	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39907 2019	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39908-Oth Tang Prop - Appl Software	1995	5,256	-	-	0	0.0%									
39928-Oth Tang Prop-Appl SW-AEAM	1996	0	-	-	0	NA	0.0%								
	39908 1997	0	-	-	0	NA	NA	0.0%							
	39908 1998	0	-	-	0	NA	NA	NA	0.0%						
	39908 1999	0	-	-	0	NA	NA	NA	NA	0.0%					
	39908 2000	8,032,596	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%				
	39908 2001	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%			
	39908 2002	9,573,067	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%		
	39908 2003	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39908 2004	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2005	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2006	731,136	-	-	0	0.0%	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2007	0	-	-	0	NA	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2008	0	-	-	0	NA	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908 2009	0	-	-	0	NA	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%

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	39908	2010	0	-	-	0	NA	NA	NA	NA	0.0%	0.00%	0.00%	0.00%	0.00%
	39908	2011	0	-	-	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2011	0	-	-	0	NA	NA	NA	NA	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2012	2,603,072	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2013	60,097,599	-	206	(206)	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2014	(68,545)	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2015	4,526,869	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2016	53,544,165	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2017	4,718,848	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2018	205,742	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39908	2019	4,963,406	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
39909-Oth Tang Prop - Mainframe S/W	2007	0	-	-	0	NA									
	39909	2008	0	-	-	0	NA	NA							
	39909	2009	0	-	-	0	NA	NA	NA						
	39909	2010	0	-	-	0	NA	NA	NA	NA					
	39909	2011	0	-	-	0	NA	NA	NA	NA					
	39909	2012	0	-	-	0	NA	NA	NA	NA	NA				
	39909	2013	0	-	-	0	NA	NA	NA	NA	NA	NA			
	39909	2014	1,604,387	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	
	39909	2015	27,582	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39909	2016	0	-	-	0	NA	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39909	2017	0	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39909	2018	0	-	-	0	NA	NA	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%
	39909	2019	39,252	-	-	0	0.0%	0.0%	0.0%	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%