

STATE OF FLORIDA

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Public Service Commission

December 13, 1999

Mr. Richard A. Walker
Tampa Electric Company
P.O. Box 111
Tampa, FL 33601-0111

Re: Docket No. 990529-EI

Dear Mr. Walker:

Enclosed are two copies of the staff report on the depreciation study for Tampa Electric Company filed in the above referenced docket.

We are planning to bring this item to Agenda on February 1, 2000. We would appreciate your written review and responses including differences, concurrences, and counter-proposals by January 7, 2000. My staff and I will be glad to work with your people in regard to this matter.

Sincerely,

Patricia S. Lee,
USCE Supervisor

- AFA _____
- APP _____
- CAF _____
- CMU _____
- CTR _____
- EAG _____
- LEG _____
- MAS _____
- OPC _____
- RRR _____
- SEC _____
- WAW _____
- OTH _____

PSL:lts
Enclosure

cc: Division of Records and Reporting
 Division of Electric and Gas
 Division of Legal Services
 Division of Auditing and Financial Services
 Office of Public Counsel

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Staff Report
December 13, 1999

**TAMPA ELECTRIC COMPANY
DEPRECIATION STUDY - STAFF REPORT
DOCKET NO. 990529-EI**

INVESTMENT/RESERVE TRANSFERS

In response to staff's questions regarding investment transfers without an associated reserve amount, the company replied that there was no reserve calculated for the transfer of plant because it is considered to be immaterial. What is the company's policy regarding this practice? What criteria is used to determine if and when a reserve adjustment is warranted?

The Federal Code of Regulations, Subchapter C, Part 101, Electric Plant Instructions, Section 12, Transfers of Property, provides that when property is transferred from one plant account to another, there is also a transfer of the accumulated reserve. There is no materiality threshold mentioned. Also, from conversations with the Federal Energy Regulatory Commission (FERC) staff, it is our understanding that no materiality threshold regarding such transfers should be allowed.

It is staff's opinion that the company's practice of not transferring the reserve associated with transferred investment is in conflict with standard depreciation principles and practices, as well as FERC's Uniform System of Accounts (USOA). As long as the investment dollars are in a given account, those dollars are accruing depreciation, and that accumulated amount should be transferred with the associated plant amount. The practice TECO appears to be following essentially assumes that the investment transferred is new plant without any reserve. This will overstate the reserve for the account from which the transfer originated and will understate the reserve for the receiving account.

RESERVE ALLOCATIONS

This study affords staff and the company the opportunity to review the reserve status of all production sites and all transmission, distribution, and general plant accounts to determine the need for corrective reserve measures. Due to the effects reserve transfers may have on jurisdictional separations, purchase power agreements, or other lease arrangements, staff's approach to reserve allocations is that, ideally they be made between accounts of a given unit or function.

As part of TECO's 1995 depreciation study, reserve allocations were approved as a result of the company's further stratification of the Big Bend and Gannon sites and the related Big Bend combustion turbines to an account level within each unit. For the remaining plant sites, investment and reserve activity continued to be maintained by unit at each plant. With the current study, the company has introduced another refinement by stratifying each unit of the remaining production

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plants to an account level. With the development of remaining life rates at the account level, TECO has proposed a reallocation of the total reserve for each unit to an account level. The company has also proposed additional reserve allocations within the Big Bend and Gannon sites.

As part of staff's initial review, the company was requested to provide an example of its theoretical reserve calculation used in determining its proposed reserve allocations. In its response, TECO explained how the depreciation reserve ratio was calculated for each life category. It further stated that the "theoretical reserve ratio was entered for each investment year on the life category worksheet and multiplied by that year's investment to provide the calculated depreciation reserve." However, no example of this calculation was provided. Staff again requests the company provide an example of the theoretical reserve calculation used to determine the proposed reserve adjustments. We suggest the example illustrate the development of the proposed reserve adjustments for Polk Unit 1 allocating the Station reserve to an account level. Additionally, staff requests the company provide the development of its proposed reserve adjustment of negative \$1,083,251 for Big Bend Common, Account 311400, as shown on page 5 of the study and also the calculation of the theoretical reserve of \$14,403,730 for the same account as shown on page 23 of the study. Staff's approach to reserve allocations for the Big Bend and Gannon sites will be to address significant imbalances only.

PLANT UNDER CONSTRUCTION

The company currently has two major additions under construction - Big Bend Unit No. 1 & 2 Scrubber and Polk Unit No. 2. The Big Bend Unit No. 1 & 2 Scrubber has a planned in-service date of January 1, 2000 with an estimated retirement date of 2023; Polk Unit No. 2 is planned for service year-end 2000 with an estimated retirement date of 2028. Additionally, TECO plans to place additional combustion turbines within the next few years, although the exact type of generation and cost estimates are not available. The company has proposed depreciation rates to be used when the respective equipment is placed into service with detailed life analyses to be performed upon completion of the property records.

Because the related equipment is not in-service at this time, staff is proposing the use of whole life depreciation rates.

Big Bend Unit 1 & 2 Scrubber: TECO's life and salvage proposals are based on stratification similar to that used for the Big Bend Unit No. 4 FGD System with an interim retirement rate similar to that used for Account 312, Boiler Plant Equipment, since the majority of investment is anticipated to be recorded in this account. Staff's proposals assume a mix of investment similar to that for the Big Bend Unit No. 4 FGD System and a corresponding interim rate relating to that mix. A 22-year service life and a negative 12% net salvage results.

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Polk Unit No. 2: TECO's life proposals are based on stratification similar to that used for Polk Unit No. 1. An interim retirement rate and net salvage value similar to that used for Polk Unit No. 1, Turbogenerator Units, Account 343, was assumed since the majority of investment is expected to be recorded in this account. However, staff notes that assets included in the 20-year life category for Unit No. 1 are considered in a 25-year life category for Unit No. 2 without any explanation. Staff would like to understand how this is consistent with the life analysis for Polk Unit No. 1. Is it anticipated that Polk Unit No. 2 will be operating under similar corrosive conditions as Polk Unit No. 1?

An area of concern regarding TECO's proposals relates to the total projected life span for Polk Unit No. 2. The life span (estimated date of retirement - in-service date) projected for Polk Unit No. 1 is 40 years; however, the life span for Polk Unit No. 2 is projected to be only 28 years. Please provide a discussion detailing the support for the company's assumption of a much shorter life span for Polk Unit No. 2. Pending receipt of this information, staff will not make a life proposal at this time. However, staff's approach will be to assume a mix of investment similar to that for Polk Unit No. 1 and a corresponding interim rate relating to that mix. The same approach used in estimating net salvage results in a negative 11% net salvage value.

New Combustion Turbines: TECO proposes that any new combustion turbines placed in service during the next 4-year period use the same life and salvage values as proposed for Polk Unit No. 2. This assumes that any new combustion turbines will be subject to similar corrosive operating conditions as Polk Unit No. 1 which may or may not be the case. On the other hand, lives estimated for new combined cycle units in the state range from 23 years to 30 years. Until a more detailed life analysis is performed, staff finds the company proposal reasonable.

PRODUCTION PLANT

Staff remains concerned that the company projects no major retirements for its production plants, either in the proposed retirement patterns for the various strata at the production plants, or in the near-term 1999-2002 period. This is rather unusual. We recognize that the various production plants can have significant differences, but are surprised at the apparent interim durability of these plants.

The company has stated that the replacement of coal classifiers and the addition of the Big Bend Unit 1 & 2 Scrubber are being installed in connection with the Clean Air Act. The January 1, 1999 investment subject to retirement as a result of this installation is \$4,184,906 with an associated reserve of \$1,763,045. It is staff's understanding from information TECO submitted in the Environmental Cost Recovery Clause docket that the replacement of the coal classifiers occurred at Big Bend Unit No. 1 and Unit No. 2 and at Gannon Unit No. 5 and Unit No. 6 in December, 1998 and May, 1998 for the Big Bend units, and December, 1997 and June, 1999 for the Gannon units.

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The associated \$2,421,861 unrecovered investment relates to plant no longer in service. For this reason, staff believes a recovery schedule designed to recover the investment as fast as economically practicable for the company should be addressed. Staff would appreciate your input into the recovery period for this net investment.

A recovery schedule addressing the net investment associated with the replaced coal classifiers requires removal of the investment and reserve remaining in Account 312 from each affected unit. For this reason, please provide the January 1, 1999 investment and reserve associated with the retired coal classifiers at Big Bend Unit No. 1 and Unit No. 2 as well as for Gannon Unit No. 5 and Unit No. 6.

Steam Production - Although staff understands that the coal related assets at the Big Bend and Gannon Stations are now being considered for retirement and several of the units are now planned for repowering, staff proposals discussed below relate to the company's depreciation study as filed. These proposals are subject to change pending receipt of additional information regarding the current planning.

Attachment A, pages 14 - 37, shows a development of life parameters for the steam production plants by account by site using the underlying elements of the company's proposal. For the full life categories, staff utilized the interim retirement pattern the company forecasted for each unit. For the remaining life categories, staff has utilized the same curve shape with applicable truncation as the company.

Gannon Oil Back-Out Project has estimated dates of final retirement in accord with those for Gannon Station. The related assets are the conversion assets associated with converting Gannon Unit Nos. 1 - 4 from oil to coal. These investments were recovered through the oil back-out (OBO) tariff which provided, in addition to normal depreciation, accelerated recovery as a result of the fuel savings. This current study represents a further refinement in stratification as the company has developed depreciation rates by account by unit rather than a composite rate for all accounts for each unit. The reserve has been adjusted to remove the accelerated recovery authorized through the OBO tariff. The accelerated recovery will result in the investments being recovered by first quarter 2003 rather than over the remaining life of the assets of 15.5 years.

Hookers Point has an estimated date of final retirement of year-end 2003. The company points out in the study narrative that the retirement date is consistent with its ten year site plant but does not represent firm plans. It appears to staff that firm planning should exist for a retirement anticipated in the company's 5-year horizon. In the case where such planning supports the retirement date, staff agrees that a recovery schedule designed to amortize the associated remaining net unrecovered investment over a period matching the remaining years of service would be the most appropriate action. However, without such firm plans, staff proposed lives are those shown on

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Attachment A. Where the average age of the given life category exceeded the estimated life, the related investments were rolled into the next longer life category. When retirement plans become firm, the company should review the recovery status of these assets and petition the Commission for any revisions necessary to assure recovery by the time of retirement.

The company has refined its development of net salvage for its production sites by calculating an interim salvage rate for each account and applying that rate to the future retirements estimated over the remaining life of the unit. The proposed net salvage values for each account for each unit of each steam site appear reasonable and are acceptable.

Miscellaneous Production - Attachment A, page 38, shows a development of life parameters for the Structures and Improvements using the underlying elements of the company's proposal. For the full life category, staff utilized the interim retirement pattern the company forecasted for each unit. For the remaining life categories, staff has utilized the same curve shape as the company. The proposed negative 4% net salvage appears reasonable and is acceptable to staff.

Other Production - The company proposals reflect a refinement of its stratification to the account level for each unit. Staff asked in the initial review for the curve shapes the company used in developing its proposed remaining lives for each of the life subcategories for the Other Production assets. The response discussed current planning for additional peaking plants during the 1999-2002 period as well as the current planning for Polk Unit 2 but did not address the curve shapes used in the life analysis. Lacking any other information, staff used a similar approach as used for steam production plants.

Big Bend and Gannon Combustion Turbines: Attachment A, pages 39 - 41, shows a development of life parameters for each account using the underlying elements of the company's proposal. For the full life categories, staff utilized the interim retirement pattern the company forecasted for each account. For the remaining life categories, staff has utilized the same curve shape with applicable truncation as used for the steam plant sites. However, we have noted that some of the 25 and 20-year life categories have ages exceeding 25 and 20 years. In cases such as these, a longer lived category should be considered as the company did for the steam production plants unless there are firm plans for near-term retirement. Staff's life proposals reflect the reassignment of these assets to the next longer life category. The proposed net salvage proposals appear reasonable and are therefore acceptable to staff.

Phillips Station: Attachment A, page 42, shows a development of life parameters for each account using the underlying elements of the company's proposal. For the full life categories, staff utilized the interim retirement pattern the company forecasted for each unit. For the remaining life categories, staff has utilized the same curve shape with applicable truncation as the company. The proposed net salvage proposals appear reasonable and are therefore acceptable to staff.

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Polk Power Station: At the time of TECO's last depreciation review, the company expected Polk Unit No. 1 to experience similar life characteristics as its other major generating units. This unit went into service in September, 1996, and has an estimated retirement date of year-end 2036.

According to the current study narrative, Polk Unit No. 1 is now considered different from TECO's other units. The company asserts that the nature of this plant with its chemical processes requires a life analysis that is sensitive to the more corrosive atmosphere under which this type of unit will be operating. The life analysis presented in the current study represents the company's first analysis of this unit at an asset level as the life analysis presented in the previous study was at a site level. As with other units, TECO stratified the assets at Polk Unit 1 into various categories expected to live in different patterns. Those assets expected to be common facilities as other units are placed in-service at the Polk site were assigned a full life span of 50 years. A 5-year life was assigned the combustion section of the combustion turbine and other equipment that is most exposed to a corrosive environment. A 40-year life span was assigned to the power block structures and other long life assets. TECO believes that this plant should have a full life of 40 years rather than 50 years assigned to its other major units.

Attachment A, page 43, shows staff's preliminary development of life parameters for each account using the underlying elements of the company's proposal. For the full life categories, staff utilized the interim retirement pattern the company forecasted for each account. For the remaining life categories, staff has utilized the same curve shape with applicable truncation as used for the steam plant sites.

Staff understands that the company's initial stratification for this unit may need some revision as experience develops; the estimated service lives may likewise need to be revised with time. At this time however, staff needs a better understanding of why the company expects this type of plant to experience a life span of 40 years rather than the 50 years expected for TECO's other major units. Additionally, any information gained from company plant engineers in analyzing the various life categories as to their expected service lives will be beneficial.

DISTRIBUTION PLANT

Account 361, Structures & Improvements - The company has proposed no changes in the curve shape or service life for this account. Staff concurs with this decision. With an average service life of 44 years, an R4 curve, and the average age of 14.9 years, a remaining life of 30 years is produced. The net salvage of negative 3% remains in line with industry averages.

Account 362, Station Equipment - The company states that \$178,500 of the \$210,000 of abnormal salvage realized for this account in 1998 was related to the reversal of a transformer that was retired

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erroneously from the property record. Should this have been recorded as an adjustment rather than as salvage? Please explain the nature and cause of the remaining abnormal salvage for this account.

The company replaced five large substation transformers in 1997, and appears to be retaining this equipment in an emergency reserve capacity for future use. What was the accounting treatment afforded the equipment being replaced? What were the dollar amounts of the materials retired?

According to the company, a lengthening of asset lives is expected due to less frequent replacement of the larger cost assets in the stations. This is attributed to an improved maintenance program, installation of oil filtration systems on transformers, using more of the current system capacity rather than replacing assets, the installation of larger capacity equipment where replacement is required, and the installation of animal guard protection to prevent circuit breaker replacements due to animal contact.

Considering there have been few retirements related to this account, staff agrees with the company's proposed average service life of 36 years. This life, combined with an R2 curve and an average age of 13.6 years, results in an average remaining life of 25 years. Staff also agrees with the proposed decrease in net salvage from negative 15% to negative 10% as being more indicative of the company's recent experience with this account and well within industry averages.

Account 364, Poles, Towers, and Fixtures - This account has experienced retirements of less than 1%, making reliance on industry averages for life and salvage values necessary. Staff proposes an R1 curve as being more indicative of the pattern of expected retirements and more in line with industry averages. Using an age of 13.1 years and an average service life of 33 years with the R1 curve produces an average remaining life of 24 years.

It is staff's understanding that the removal of poles is labor intensive and that this account experiences large removal costs upon retirement. While staff has no problem with the company net salvage proposal of negative 35%, please provide a breakdown of the 1998 normal and abnormal salvage amounts for this account.

Account 365, Overhead Conductors - Staff finds the current service life and salvage components prescribed for this account to be reasonable, but proposes use of an S1 curve as opposed to the S0.5 curve. Staff believes the S1 curve is more indicative of the expected pattern of retirements and a better representation for this account. The average remaining life produced from using the S1 curve with an age of 15.4 years and an average service life of 34 years is 21 years. Please provide a breakdown of the 1998 normal and abnormal salvage amounts.

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Account 366, Underground Conduit - The company has proposed no changes in the curve or service life for this account, and staff concurs. Using an updated age with these currently prescribed components produces an average remaining life of 39 years.

Regarding salvage, while staff has no problem with the proposed zero net salvage, we are curious as to the nature and cause of the salvage realized in 1998. The total amount of salvage is higher than the amount of plant retired, which is quite remarkable for this account. The company also states that its major salvage sources for 1997 were termination cabinets and manholes. Staff would appreciate any insight the company could provide as to the amount of salvage that can be realized on such items and the portion of this account's investment that represents such items.

Additionally, the company states that the cost of removal incurred in 1995 was due in part to the removal of concrete hand holes and conduit. Was the conduit physically removed? If so, please provide the circumstances that can result in the physical removal of conduit, as this plant is generally abandoned in place.

Account 367, Underground Conductors & Devices - Staff finds the current prescribed service life, salvage, and curve shape components of this account to be reasonable and acceptable. When an average service life of 33 years and an age of 10.8 years are applied to the R2.5 curve, an average remaining life of 24 years is produced.

While staff has no objection to the company proposed zero net salvage value, the company's response to the initial review regarding the 1998 unusually high removal costs necessitates further inquiry. The company stated that the cost of removal was due in part to the removal of switches, terminations, and cable. Since it is staff's understanding that underground conductors are normally abandoned in place, please help us to understand the nature and cause of these removal costs.

Account 368, Line Transformers - Staff finds the company proposed average service life of 17 years to be reasonable and acceptable. Using the average age of 8.9 years and the S6 curve, the remaining life of 8.3 years is produced.

Because TECO uses location life accounting rather than cradle-to-grave accounting for line transformers, staff concurs with the net salvage proposal of 30%.

Account 369.1, Overhead Services - In its response to staff's request for a graph of the SC 33-year life curve being used for this account, the company stated that its depreciation package will not provide a picture graph for simulated plant balances as this is a mass asset account and not kept with vintage balances. Please provide the Simulated Plant Record (SPR) that shows the SC curve as the best fit for this account. Also, provide the calculation of the average age and average remaining life.

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Staff is still trying to understand why salvage was so low for 1996 and 1997. Any information the company can provide would be appreciated. How much of the gross salvage recorded in 1995 - 1998 is reuse? How much is reimbursements? Staff understands that there were adjustments made to salvage for the years 1990 through 1994, but even after backing out the adjustments, the average net salvage for those years was 11.31%. In addition, including the low salvage for 1996 and 1997, the average net salvage for 1995 through 1998 was negative 2.53%. Staff believes this pattern indicates a need to increase the net salvage from negative 50% to negative 20%.

Account 369.2, Underground Services - While staff has no disagreement with the company's 35-year average service life or negative 15% net salvage proposals, we have some questions regarding the data shown in the study.

1. The additions and retirements shown for 1990 through 1995 differ from those shown as input data for the SPR run on the last study (p. 254). Please reconcile.
2. The company states that retirements for 1998 are understated due to a reporting problem. What were the actual retirements for 1998?
3. This account has experienced a growth rate of close to 40% over the 1994-1998 time period, with very few retirements. This activity would seem to infer a younger age rather than an older age as compared to the last study.
4. Please provide the simulated run (SPR) that shows the R4 curve as the best fit curve for this account.

Account 370, Meters - Under cradle-to-grave accounting, a meter is not retired as it moves from location to location. Retirement occurs when the transformer can no longer be refurbished and is finally junked. The Federal Code of Regulations, Subchapter C, Part 101, Electric Plant Accounts, Account 370, Meters, states that the cost of removing and resetting meters shall be charged to account 586, Meter Expenses. Accordingly, one would expect very little gross salvage and removal cost to be realized upon retirement unless there are special conditions. In its response to staff's initial review, the company failed to sufficiently explain the circumstances surrounding the unusually high removal costs incurred during the last four years. Please include the number of single phase meters and three phase meters retired in each of past two years. Pending receipt of this information, staff will not make a net salvage proposal for this account at this time.

Staff believes an R3 curve is more indicative of the account's expected retirement pattern. Using the average service life of 25 years and an age of 11.1 years produces an average remaining life of 15.1 years.

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Account 373, Street Lighting and Signal Systems - Staff agrees that the company proposed curve shape change from the R0.5 curve to the R2.5 curve is a better representation of the expected activity of this account. Using the R2.5 curve with an average service life of 19 years and an age of 7.8 years, an average remaining life of 12.4 years is produced. Staff agrees with maintaining the zero percent salvage.

TRANSMISSION PLANT

Account 350, Land Rights: The company proposal is to maintain the current average service life of 48 years with an R3 curve shape, a zero percent net salvage, and an average age of 12.6 years. The resulting remaining life of 36 years represents updating the currently approved remaining life with activity since the previous study and is reasonable and acceptable.

Account 352, Structures and Improvements: The company proposed 40 year remaining life represents an update of the currently approved R5, 50 year life characteristics with an average age of 10.2 years. No change in the currently prescribed negative 3% net salvage is being proposed. The company proposals appear reasonable and acceptable to staff.

Account 353, Station Equipment: The currently approved average service life for this account is 39 years and the company is proposing a move to a 45 year life. The retirement ratio over the last five years has averaged less than 1% making reliance on judgement and industry expectations for life and salvage projections necessary. Other companies in the state are experiencing lives in the mid to late 40 year range. Therefore, staff finds the company 45 year life proposal reasonable. However, staff proposes use of an R2 curve shape rather than the company proposed R1.5 curve shape as being more in line with current industry expectations. Using the account average age of 13.8 years results in an average remaining life of 34 years.

The company proposes a negative 5% net salvage factor, which is acceptable. However, staff would like to understand why there was a need for six new substations, and if any of the new substations resulted in retirement of existing substations. If so, please provide the investment and reserve as of January 1, 1999 associated with the retiring substations.

Account 354, Towers and Fixtures: The company proposes maintaining the currently prescribed 48 year average service life and negative 15% net salvage factor. While a change from an R3 curve shape to an R5 curve shape has been proposed, no justification or other support has been provided for the curve shape change. Please provide a discussion of significant changes that have occurred or are expected to occur in this account warranting this change.

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Account 355, Poles and Fixtures: According to the company, its standard for transmission poles has changed from wood to concrete. Please provide a discussion regarding why this standard has changed. Additionally, please discuss the various causes for retirement of wood poles versus concrete poles. Also, does the company have replacement plans for the wood transmission poles?

While staff finds a 34 year average service life with an R2 curve shape, and a net salvage of negative 30% reasonable at this time, we will defer making a life and salvage proposal pending receipt of the requested information.

Account 356, Overhead Conductors & Devices: The company has proposed a 35 year average service life with an R1.5 curve shape. The proposed curve shape assumes a higher retirement rate than the account has experienced and, lacking support for the change, staff believes an S2, 35 year life table is more indicative of the expected mortality pattern for this equipment. Using an average age of 12.9 years results in a 23 year average remaining life. The company proposed negative 20% net salvage factor is reasonable and acceptable.

Account 356.01, Clearing Rights-of-Way: The company has proposed no change for the life and salvage components in the sub-account and staff agrees with this action. The average service life of 48 years, an L4 curve, and the average age of 20.3 years produces a remaining life of 28 years. The salvage value of zero is also considered appropriate for this sub-account.

Account 357, Underground Conduit: Staff is concerned with the current age distribution provided for this account. Additions of \$5,508,836 were recorded in 1993 and there have been no retirements recorded since that time. However, the age distribution shows zero survivors for the 1993 vintage. Also, no additions were recorded in 1994, and yet the age distribution shows \$2.3M surviving for this vintage. Another source of concern is the 1996 additions that appear to have been more than reversed out in 1997. There has been no retirement or adjustment activity to account for these anomalies and we would like to understand the logic of each of these situations. Staff will defer making a life and salvage proposal pending receipt of the requested information.

Account 358, Underground Conductors & Devices: This is another account that staff has concerns with the provided age distribution. In 1994, additions totaled \$10,562, yet the age distribution shows \$3.2M currently surviving from this vintage. In 1997, additions recorded were \$3.2M, but the age distribution shows zero survivors from this vintage. Since there has been no retirement or adjustment activity, please explain the logic for the current 1994 and 1997 vintage survivors.

Additionally, the recorded additions in 1998 of negative \$28,656 appear to represent the reversal of the 1996 recorded additions. We would like to understand the logic of negative additions.

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Account 359, Roads & Trails: As with easements, staff accepts the company proposed 50 year average service life, R5 shape curve, and zero net salvage factor. Please provide the resulting remaining life using the proposed curve shape. Additionally, staff would like to understand the nature and cause of the unusually large cost of removal incurred in 1996 and 1998 of 127% and 373%, respectively.

GENERAL PLANT

Account 390, Structures & Improvements: The company proposed 38 year service life and R5 curve shape are reasonable and acceptable to staff. Using a 10.2 year average age, the resulting remaining life is 28 years. The salvage factor of negative 20% is also reasonable.

Account 397.25, Communication Equipment - Fiber: Before staff makes a proposal regarding this account, please provide the portion of the account's January 1, 1999 investment associated with switching equipment. Also, please provide how many and what type of switches are currently in service, and what services the switches provide. Additionally, please provide the company's planning regarding placement of fiber cable.

Account 392.01, Automobiles: Staff has discovered that an age distribution for this account was not submitted with the current study filing. Please provide the distribution supporting the 6.6 year average age.

Staff proposes an average service life of 7 years for this account as being in line with the weighted average age of the automobiles retired during the most recent three year period. Using an R3 curve shape and a 6.6 year average age results in an average remaining life of 1.6 years. Also, staff finds the company proposed net salvage factor of 24% to be reasonable.

Account 392.02, Light Trucks: The company proposed 10 year average service life, L2 curve shape, 5.0 year average age, 6 year average remaining life, and 20% net salvage factor are reasonable and acceptable. The average service life recognizes improved maintenance programs and high replacement costs.

Account 392.03, Heavy Trucks: The company proposed 15 year average service life, L2 curve shape, and 20% net salvage are in line with the account's experience and are acceptable to staff. Using an average age of 8.5 years results in a 8.9 year average remaining life.

Account 397.01, Energy Management Systems: The company proposed 2 year recovery schedule for the remaining net investment in this account is in line with the expected retirement date and is acceptable.

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AMORTIZABLE ACCOUNTS

TECO has proposed that the depreciable portion of Accounts 393 (Stores), 394 (Tools, Shop & Garage), 395 (Laboratory), and 396 (Power Operated) be amortized over 7 years, beginning January 1, 1999. The company states that these investments are minor and represent small value items which are difficult to track. In an effort to streamline depreciation procedures, and in line with the Amended Retirement Unit Rule No. 25-6.0142, Florida Administrative Code, staff finds these proposals acceptable. Please provide a discussion and illustration regarding how the company will implement these amortizations.

Account 391, Office Furniture and Equipment: Staff finds the company proposed 7 year amortization for the January 1, 1999 embedded net investment and subsequent vintage additions to be acceptable.

Account 391.02, Computer Equipment-Workstations: The company has proposed to shorten the amortization period from the currently approved 5 years to 3 years. Staff accepts the proposal as matching the company's current replacement policy of 3 years for this type of equipment.

Account 391.04, Computer Equipment - Mainframe: Staff accepts the company proposal to amortize the January 1, 1999 embedded net investment and subsequent vintage additions over a 5 year period.

Accounts 397 (Communication Equipment), 398 (Miscellaneous Equipment): Staff agrees with the company proposed 7 year amortization period for the January 1, 1999 embedded net investment and subsequent vintage additions.

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND

PLANT	POSSIBLE SVC. LIFE	RETIRE. DATE	AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	YRS.	ASL		ARL	
				TOTAL	REMAINING				YRS.	WTG.	YRS.	WTG.
COMMON												
Structures	65	2035	17.2	53	36	0.99554	91.07	48	1.897292	33	62.610625	
	35	2035	14.6	NA	NA	S4	4.31	35	0.123143	21	2.586000	
	20	2035	9.5	NA	NA	S3	4.62	20	0.231000	10.7	2.471700	
							100.00	44	2.251435	30	67.668325	
Blr. Plt.	65	2035	15.5	52	36	0.99554	63.92	47	1.360000	33	44.880000	
	35	2035	12.5	NA	NA	S4	28.28	35	0.808000	23	18.584000	
	20	2035	9.9	NA	NA	S3	7.80	20	0.390000	10.3	4.017000	
							100.00	39	2.558000	26	67.481000	
Turbgen.	65	2035	25.2	61	36	0.99554	91.93	54	1.702407	33	56.179444	
	35	2035	15.9	NA	NA	S4	8.07	35	0.230571	19.1	4.403914	
	20	2035	0	NA	NA							
							100.00	52	1.932979	31	60.583359	
Acc. Electric	65	2035	14.7	51	36	0.99554	40.43	46	0.878913	33	29.004130	
	35	2035	14.7	NA	NA	S4	15.93	35	0.455143	20	9.102857	
	20	2035	11.8	NA	NA	S3	43.64	20	2.182000	8.7	18.983400	
							100.00	28	3.516056	16.2	57.090388	
Misc.	65	2035	15.2	51	36	0.99554	34.09	46	0.741087	33	24.455870	
	35	2035	10.3	NA	NA	S4	29.80	35	0.851429	24	20.434286	
	20	2035	14.8	NA	NA	S3	36.11	20	1.805500	6.5	11.735750	
							100.00	29	3.398016	16.7	56.625905	

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND

PLANT	POSSIBLE SVC. LIFE	RETIRE. DATE	AGE	POTENTIAL TOTAL	SPAN EMAININ	CURVE	% OF INVEST.	YRS.	ASL WTG.	YRS.	ARL WTG.
UNIT 1											
Structures	50	2020	24.6	46	21	0.9557	91.59	38	2.410263	18.8	45.312947
	35	2020	12.5	NA	NA	S4	8.41	34	0.247353	19.5	4.823382
							100.00	38	2.657616	18.9	50.136330
Blr. Plt.	50	2020	22.6	44	21	0.9557	39.27	37	1.061351	18.8	19.953405
	35	2020	10.3	NA	NA	S4	53.93	32	1.685313	20	33.706250
	20	2020	7.5	NA	NA	S3	6.80	22	0.309091	12.5	3.863636
						100.00		33	3.055755	18.8	57.523292
15 Turbgen.	50	2020	23.1	44	21	0.9557	53.62	37	1.449189	18.8	27.244757
	35	2020	15.6	NA	NA	S4	46.38	35	1.325143	18.3	24.250114
							100.00	36	2.774332	18.6	51.494871
Acc. Electric	50	2020	22.9	44	21	0.9557	43.95	37	1.187838	18.8	22.331351
	35	2020	17.8	NA	NA	S4	48.14	34	1.415882	16.3	23.078882
	20	2020	11.2	NA	NA	S3	7.91	20	0.395500	9.2	3.638600
						100.00		33	2.999220	16.4	49.048834
Misc.	50	2020	27.6	49	21	0.9557	100.00	41	2.439024	18.8	45.853659

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND

PLANT	POSSIBLE SVC. LIFE	RETIRE. DATE	AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	YRS.	ASL		ARL	
				TOTAL	EMAININ				WTG.	YRS.	WTG.	
UNIT 2												
Structures	50	2023	21.1	45	24	0.99222	95.99	38	2.526053	22	55.573158	
	35	2023	18.2	NA	NA	S4	4.01	35	0.114571	16.3	1.867514	
							100.00	38	2.640624	22	57.440672	
Blr. Plt.	50	2023	21.6	46	24	0.99222	39.06	39	1.001538	22	22.033846	
	35	2023	10.9	NA	NA	S4	55.90	33	1.693939	22	37.266667	
	20	2023	8	NA	NA	S3	5.04	20	0.252000	12.1	3.049200	
						100.00	34	2.947478	21	62.349713		
16 Turbgen.	50	2023	21.1	45	24	0.99222	49.83	38	1.311316	22	28.848947	
	35	2023	14.9	NA	NA	S4	50.17	34	1.475588	19.6	28.921529	
							100.00	36	2.786904	21	57.770477	
Acc. Electri	50	2023	19.2	43	24	0.99222	50.47	37	1.364054	22	30.009189	
	35	2023	15.1	NA	NA	S4	42.16	34	1.240000	18.8	23.312000	
	20	2023	12.5	NA	NA	S3	7.37	20	0.368500	8.1	2.984850	
						100.00	34	2.972554	18.9	56.306039		
Misc.	50	2023	25.5	50	24	0.99222	33.29	42	0.792619	22	17.437619	
	35	2023	8.6	NA	NA	S4	66.71	31	2.151935	23	49.494516	
							100.00	34	2.944555	23	66.932135	

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND

PLANT	POSSIBLE SVC. LIFE	RETIRE. DATE	AGE	POTENTIAL TOTAL	SPAN EMAININ	CURVE	% OF INVEST.	YRS.	ASL WTG.	YRS.	ARL WTG.
UNIT 3											
Structures	50	2026	21.8	49	27	0.99355	94.38	42	2.247143	25	56.178571
	35	2026	17.6	NA	NA	S4	4.75	35	0.135714	17.4	2.361429
	20	2026	6.8	NA	NA	S3	0.87	20	0.043500	13.2	0.574200
							100.00	41	2.426357	24	59.114200
Blr. Plt.	50	2026	20.4	47	27	0.99355	56.81	41	1.385610	25	34.640244
	35	2026	15.2	NA	NA	S4	40.55	35	1.158571	19.2	22.244571
	20	2026	15.1	NA	NA	S3	2.64	20	0.132000	6.4	0.844800
							100.00	37	2.676181	22	57.729615
17 Turbgen.	50	2026	22.2	49	27	0.99355	52.43	42	1.248333	25	31.208333
	35	2026	21.6	NA	NA	S4	47.57	35	1.359143	13.7	18.620257
							100.00	38	2.607476	19.1	49.828590
Acc. Electri	50	2026	21.2	48	27	0.99355	50.27	42	1.196905	25	29.922619
	35	2026	20.4	NA	NA	S4	27.68	35	0.790857	14.6	11.546514
	20	2026	8.2	NA	NA	S3	22.05	20	1.102500	11.9	13.119750
							100.00	32	3.090262	17.7	54.588883
Misc.	50	2026	20.6	48	27	0.99355	76.49	42	1.821190	25	45.529762
	35	2026	5.1	NA	NA	S4	23.51	31	0.758387	26	19.718065
							100.00	39	2.579578	25	65.247826

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND

PLANT	POSSIBLE SVC. LIFE	RETIRE. DATE	AGE	POTENTIAL TOTAL	SPAN EMANIN	CURVE	% OF INVEST.	YRS.	ASL WTG.	YRS.	ARL WTG.
UNIT 4											
Structures	50	2035	13.5	50	36	0.9923	97.27	47	2.069574	31	64.156809
	35	2035	13.5	NA	NA	S4	1.84	35	0.052571	22	1.156571
	20	2035	13.4	NA	NA	S3	0.89	20	0.044500	7.5	0.333750
							100.00	46	2.166646	30	65.647130
Blr. Plt.	50	2035	13.4	49	36	0.9923	55.85	46	1.214130	31	37.638043
	35	2035	13.3	NA	NA	S4	42.33	35	1.209429	21	25.398000
	20	2035	8.9	NA	NA	S3	1.82	20	0.091000	11.2	1.019200
							100.00	40	2.514559	25	64.055243
8 Turbgen.	50	2035	13.5	50	36	0.9923	63.84	47	1.358298	31	42.107234
	35	2035	13.3	NA	NA	S4	36.16	35	1.033143	21	21.696000
							100.00	42	2.391441	27	63.803234
Acc. Electri	50	2035	13.2	49	36	0.9923	59.48	46	1.293043	31	40.084348
	35	2035	13.4	NA	NA	S4	26.41	35	0.754571	21	15.846000
	20	2035	12.6	NA	NA	S3	14.11	20	0.705500	8.1	5.714550
							100.00	36	2.753115	22	61.644898
Misc.	50	2035	13.5	50	36	0.9923	87.80	46	1.908696	31	59.169565
	35	2035	12.4	NA	NA	S4	10.40	35	0.297143	22	6.537143
	20	2035	4.5	NA	NA	S3	1.80	20	0.090000	15.5	1.395000
							100.00	44	2.295839	29	67.101708

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND

PLANT	POSSIBLE SVC. LIFE	RETIRE. DATE	AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	YRS.	ASL		ARL	
				TOTAL	EMAININ				WTG.	YRS.	WTG.	
UNIT 4FGD												
Structures	50	2035	13.4	49	36	0.99285	92.76	44	2.108182	32	67.461818	
	35	2035	12.5	NA	NA	S4	3.33	35	0.095143	22	2.093143	
	20	2035	7.8	NA	NA	S3	3.91	20	0.195500	12.3	2.404650	
							100.00	42	2.398825	30	71.959611	
Blr. Plt.	50	2035	13.4	49	36	0.99285	67.19	44	1.527045	32	48.865455	
	35	2035	13.3	NA	NA	S4	30.88	35	0.882286	21	18.528000	
	20	2035	12.4	NA	NA	S3	1.93	20	0.096500	8.2	0.791300	
							100.00	40	2.505831	27	68.184755	
61 Acc. Electri	50	2035	13.5	50	36	0.99285	65.27	44	1.483409	32	47.469091	
	35	2035	13.5	NA	NA	S4	22.79	35	0.651143	22	14.325143	
	20	2035	11.9	NA	NA	S3	11.94	20	0.597000	8.6	5.134200	
							100.00	37	2.731552	25	66.928434	
Misc.	50	2035	13.5	50	36	0.99285	84.53	44	1.921136	32	61.476364	
	35	2035	13.5	NA	NA	S4	15.47	35	0.442000	22	9.724000	
							100.00	42	2.363136	30	71.200364	

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON STATION

PLANT	POSSIBLE SVE. LIFE	RETIREMT DATE	AGE	POTENTIAL TOTAL	SPAN REMAINING	CURVE	% OF INVEST.	ASL YEARS	WTG.	ARL YEARS	WTG.
COMMON											
Structures	60	2017	15.2	33	18	0.991729	82.61	29	2.848621	16.6	47.287103
	35	2017	8	NA	NA	S4	11.66	26	0.448462	18.2	8.162
	20	2017	12.1	NA	NA	S3	5.73	20	0.286500	7.8	2.2347
							100.00	28	3.583582	16.1	57.683803
Boiler Plant	60	2017	14.2	32	18	0.991729	65.12	28	2.325714	16.6	38.606857
	35	2017	6.8	NA	NA	S4	20.51	25	0.820400	18.4	15.09536
	20	2017	5.3	NA	NA	S3	14.37	19.4	0.740722	13.9	10.296031
							100.00	26	3.886836	16.5	63.998248
Turbgen.	60	2017	13.8	32	18	0.991729	70.13	28	2.504643	16.6	41.577071
	35	2017	5.4	NA	NA	S4	29.87	24	1.244583	18.4	22.900333
	20	2017		NA	NA						
							100.00	27	3.749226	17.2	64.477405
Acc. Electric	60	2017	11.7	30	18	0.991729	30.98	27	1.147407	16.6	19.046963
	35	2017	14.9	NA	NA	S4	21.75	31	0.701613	16.9	11.857258
	20	2017	5.8	NA	NA	S3	47.27	19.4	2.436598	13.9	33.868711
							100.00	23	4.285618	15.1	64.772932
Misc.	60	2017	17.9	36	18	0.991729	17.35	31	0.559677	16.6	9.2906452
	35	2017	9.5	NA	NA	S4	35.26	28	1.259286	18.1	22.793071
	20	2017	17.5	NA	NA	S3	47.39	20	2.369500	5	11.8475
							100.00	24	4.188463	10.5	43.931217

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON STATION

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 1											
Structures	50	2007	37.1	45	8	0.982069	95.61	31	3.084194	7.4	22.823032
	35	2007	29.1	NA	NA	S4	4.39	34	0.129118	6.5	0.8392647
	20	2007		NA	NA						
							100.00	31	3.213311	7.4	23.662297
Boiler Plant	50	2007	27.1	35	8	0.982069	45.58	26	1.753077	7.4	12.972769
	35	2007	24.2	NA	NA	S4	44.02	31	1.420000	7.3	10.366
	20	2007	12.4	NA	NA	S3	10.40	18	0.577778	6.5	3.7555556
							100.00	27	3.750855	7.2	27.094325
Turbgen.	50	2007	39.4	47	8	0.982069	43.79	32	1.368438	7.4	10.126438
	35	2007	17.4	NA	NA	S4	56.21	26	2.161923	8.3	17.943962
	20	2007		NA	NA						
							100.00	28	3.530361	8	28.070399
Acc. Electric	50	2007	36.2	44	8	0.982069	63.68	31	2.054194	7.4	15.201032
	35	2007	24.5	NA	NA	S4	22.62	31	0.729677	7.3	5.3266452
	20	2007	16	NA	NA	S3	13.70	19.6	0.698980	4.5	3.1454082
							100.00	29	3.482851	6.8	23.673086
Misc.	50	2007	39.6	48	8	0.982069	90.24	32	2.820000	7.4	20.868
	35	2007	37.7	NA	NA	S4	9.76	35	0.278857	3.8	1.0596571
	20	2007		NA	NA						
							100.00	32	3.098857	7.1	21.927657

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON STATION

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.		ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ		YEARS	WTG.	YEARS	WTG.		
UNIT 2												
Structures	50	2008	31.7	41	9	0.983035	89.51	30	2.983667	8.3	24.764433	
	35	2008	11.6	NA	NA	S4	10.49	19	0.552105	9.5	5.245	
	20	2008		NA	NA							
							100.00	28	3.535772	8.5	30.009433	
Boiler Plant	50	2008	28.3	37	9	0.983035	32.14	28	1.147857	8.3	9.5272143	
	35	2008	21.1	NA	NA	S4	56.63	30	1.887667	8.7	16.4227	
	20	2008	14.6	NA	NA	S3	11.23	19.4	0.578866	6.1	3.5310825	
							100.00	28	3.614390	8.2	29.480997	
Turbgen.	50	2008	36.4	45	9	0.983035	34.45	32	1.076563	8.3	8.9354688	
	35	2008	18.4	NA	NA	S4	65.55	28	2.341071	9.2	21.537857	
	20	2008		NA	NA							
							100.00	29	3.417634	8.9	30.473326	
Acc. Electric	50	2008	26.8	36	9	0.983035	70.97	27	2.628519	8.3	21.816704	
	35	2008	28.9	NA	NA	S4	18.55	34	0.545588	6.7	3.6554412	
	20	2008	14.8	NA	NA	S3	10.48	19.4	0.540206	6.1	3.2952577	
							100.00	27	3.714313	7.7	28.767403	
Misc.	50	2008	38.7	48	9	0.983035	80.05	33	2.425758	8.3	20.133788	
	35	2008	40	NA	NA	S4	19.95	35	0.570000	3.4	1.938	
	20	2008		NA	NA							
							100.00	33	2.995758	7.4	22.071788	

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON STATION

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 3											
Structures	50	2010	36.8	48	11	0.985429	94.10	35	2.688571	10.1	27.154571
	35	2010	27.8	NA	NA	S4	5.90	34	0.173529	7.7	1.3361765
	20	2010		NA	NA						
							100.00	35	2.862101	10	28.490748
Boiler Plant	50	2010	23.2	34	11	0.985429	36.15	27	1.338889	10.1	13.522778
	35	2010	15.4	NA	NA	S4	62.30	27	2.307407	11.2	25.842963
	20	2010	7.6	NA	NA	S3	1.55	17.5	0.088571	10	0.8857143
							100.00	27	3.734868	10.8	40.251455
Turbgen.	50	2010	31.5	43	11	0.985429	53.47	32	1.670938	10.1	16.876469
	35	2010	24.9	NA	NA	S4	46.53	33	1.410000	9	12.69
	20	2010		NA	NA						
							100.00	32	3.080938	9.6	29.566469
Acc. Electric	50	2010	25.1	36	11	0.985429	41.71	28	1.489643	10.1	15.045393
	35	2010	24.8	NA	NA	S4	50.61	33	1.533636	9	13.802727
	20	2010	26	NA	NA	S3	7.68	20	0.384000	2.2	0.8448
							100.00	29	3.407279	8.7	29.69292
Misc.	50	2010	36.7	48	11	0.985429	67.05	35	1.915714	10.1	19.348714
	35	2010	34.2	NA	NA	S4	32.95	35	0.941429	6	5.6485714
	20	2010		NA	NA						
							100.00	35	2.857143	8.7	24.997286

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON STATION

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL		
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.	
UNIT 4												
Structures	50	2013	29.7	44	14	0.988869	87.42	35	2.497714	12.9	32.220514	
	35	2013	14.2	NA	NA	S4	12.58	28	0.449286	14	6.29	
	20	2013		NA	NA							
							100.00	34	2.947000	13.1	38.510514	
Boiler Plant	50	2013	20	34	14	0.988869	24.70	29	0.851724	12.9	10.987241	
	35	2013	14.4	NA	NA	S4	53.70	28	1.917857	14	26.85	
	20	2013	4.5	NA	NA	S3	21.60	17.5	1.234286	13	16.045714	
							100.00	25	4.003867	13.5	53.882956	
24 Turbgen.	50	2013	33.6	48	14	0.988869	53.67	37	1.450541	12.9	18.711973	
	35	2013	26.4	NA	NA	S4	46.33	34	1.362647	8.9	12.127559	
	20	2013		NA	NA							
							100.00	36	2.813188	11	30.839532	
Acc. Electric	50	2013	18.2	32	14	0.988869	71.21	27	2.637407	12.9	34.022556	
	35	2013	23.7	NA	NA	S4	16.98	34	0.499412	10.6	5.2937647	
	20	2013	22.5	NA	NA	S3	11.81	20	0.590500	3.1	1.83055	
							100.00	27	3.727319	11	41.14687	
Misc.	50	2013	11.8	26	14	0.988869	100.00	23	4.347826	12.9	56.086957	
	35	2013		NA	NA							
	20	2013		NA	NA							
							100.00	23	4.347826	12.9	56.086957	

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON STATION

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 5											
Structures	50	2015	17	33	16	0.986516	84.05	27	3.112963	14.3	44.51537
	35	2015	8.8	NA	NA	S4	15.95	25	0.638000	16.4	10.4632
	20	2015		NA	NA						
							100.00	27	3.750963	14.7	54.97857
Boiler Plant	50	2015	21.4	37	16	0.986516	34.58	29	1.192414	14.3	17.051517
	35	2015	12.6	NA	NA	S4	62.30	28	2.225000	16	35.6
	20	2015	11.1	NA	NA	S3	3.12	20	0.156000	8.8	1.3728
							100.00	28	3.573414	15.1	54.024317
25 Turbgen.	50	2015	25.1	41	16	0.986516	48.74	32	1.523125	14.3	21.780688
	35	2015	15	NA	NA	S4	51.26	31	1.653548	15.3	25.29929
	20	2015		NA	NA						
							100.00	31	3.176673	14.8	47.079978
Acc. Electric	50	2015	19.7	36	16	0.986516	47.57	29	1.640345	14.3	23.456931
	35	2015	17.2	NA	NA	S4	17.73	32	0.554063	14.5	8.0339063
	20	2015	7.7	NA	NA	S3	34.70	19.4	1.788660	12	21.463918
							100.00	25	3.983067	13.3	52.954755
Misc.	50	2015	16.9	33	16	0.986516	57.20	27	2.118519	14.3	30.294815
	35	2015	13.4	NA	NA	S4	42.80	29	1.475862	15.8	23.318621
	20	2015		NA	NA						
							100.00	28	3.594381	14.9	53.613436

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON STATION

PLANT	POSSIBLE SVE. LIFE	RETIREMT DATE	AGE	POTENTIAL TOTAL	SPAN EMAININ	CURVE	% OF INVEST.	ASL YEARS	WTG.	ARL YEARS	WTG.
UNIT 6											
Structures	50	2017	25.8	44	18	0.987748	94.04	34	2.765882	16	44.254118
	35	2017	15.3	NA	NA	S4	5.96	32	0.186250	16.5	3.073125
	20	2017		NA	NA						
							100.00	34	2.952132	16	47.327243
Boiler Plant	50	2017	22.5	41	18	0.987748	36.58	32	1.143125	16	18.29
	35	2017	11.2	NA	NA	S4	60.82	29	2.097241	17.8	37.330897
	20	2017	9.2	NA	NA	S3	2.60	19.9	0.130653	10.6	1.3849246
							100.00	30	3.371020	16.9	57.005821
26 Turbgen.	50	2017	23.4	41	18	0.987748	45.63	32	1.425938	16	22.815
	35	2017	9.2	NA	NA	S4	54.37	28	1.941786	18.1	35.146321
	20	2017		NA	NA						
							100.00	30	3.367723	17.2	57.961321
Acc. Electric	50	2017	17.1	35	18	0.987748	54.98	29	1.895862	16	30.333793
	35	2017	15.8	NA	NA	S4	21.74	32	0.679375	16.5	11.209688
	20	2017	11.7	NA	NA	S3	23.28	20	1.164000	8.9	10.3596
							100.00	27	3.739237	13.9	51.903081
Misc.	50	2017	25.8	44	18	0.987748	72.00	34	2.117647	16	33.882353
	35	2017	16.2	NA	NA	S4	28.00	33	0.848485	16.1	13.660606
	20	2017		NA	NA						
							100.00	34	2.966132	16	47.542959

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON TRUST

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
COMMON											
Structures	60	2017	16.8	35	18	0.992181	91.14	31	2.940000	16.7	49.098000
	35	2017		NA	NA						
	20	2017	15.2	NA	NA	S3	8.86	19.4	0.456701	5.4	2.466186
							100.00	29	3.396701	15.2	51.564186
Boiler Plant	60	2017	17.3	35	18	0.992181	62.95	31	2.030645	16.7	33.911774
	35	2017	16.2	NA	NA	S4	35.06	33	1.062424	16.1	17.105030
	20	2017	15.3	NA	NA	S3	1.99	19.4	0.102577	5.4	0.553918
							100.00	31	3.195647	16.1	51.570722
27 Turbgen.	60	2017		18	18						
	35	2017		NA	NA						
	20	2017		NA	NA						
							0.00		0.000000		0.000000
Acc. Electric	60	2017	18.7	37	18	0.992181	56.52	32	1.766250	16.7	29.496375
	35	2017	18.4	NA	NA	S4	25.08	33	0.760000	15	11.400000
	20	2017	14.8	NA	NA	S3	18.40	19.2	0.958333	5.8	5.558333
							100.00	29	3.484583	13.3	46.454708
Misc.	60	2017	21.8	40	18	0.992181	96.83	35	2.766571	16.7	46.201743
	35	2017		NA	NA						
	20	2017	15.5	NA	NA	S3	3.17	19.4	0.163402	5.4	0.882371
							100.00	34	2.929973	16.1	47.084114

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON TRUST

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL		
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.	
UNIT 1												
Structures	50	2007	13.5	22	8	0.983893	86.50	18.8	4.601064	7.4	34.047872	
	35	2007	13.5	NA	NA	S4	2.23	2.2	1.013636	8.5	8.615909	
	20	2007	13.5	NA	NA	S3	11.27	18.9	0.596296	6.2	3.697037	
							100.00	16.1	6.210996	7.5	46.360818	
Boiler Plant	50	2007	13.5	22	8	0.983893	64.35	18.8	3.422872	7.4	25.329255	
	35	2007	13.5	NA	NA	S4	35.64	22	1.620000	8.5	13.770000	
	20	2007		NA	NA							
							99.99	19.8	5.042872	7.8	39.099255	
28 Turbgen.	50	2007		8	8							
	35	2007	13.5	NA	NA	S4	100.00	22	4.545455	8.5	38.636364	
	20	2007		NA	NA							
							100.00	22	4.545455	8.5	38.636364	
Acc. Electric	50	2007	13.5	22	8	0.983893	80.17	18.8	4.264362	7.4	31.556277	
	35	2007	13.5	NA	NA	S4	18.22	22	0.828182	8.5	7.039545	
	20	2007	13.5	NA	NA	S3	1.61	18.9	0.085185	6.2	0.528148	
							100.00	19.3	5.177729	7.6	39.123970	
Misc.	50	2007	13.5	22	8	0.983893	100.00	18.8	5.319149	7.4	39.361702	
	35	2007		NA	NA							
	20	2007		NA	NA							
							100.00	18.8	5.319149	7.4	39.361702	

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON TRUST

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 2											
Structures	50	2008	13.5	23	9	0.985041	87.79	19.8	4.433838	8.4	37.244242
	35	2008	13.5	NA	NA	S4	3.31	23	0.143913	9.5	1.367174
	20	2008	13.5	NA	NA	S3	8.90	19.2	0.463542	6.5	3.013021
							100.00	19.8	5.041293	8.3	41.624437
Boiler Plant	50	2008	13.5	23	9	0.985041	64.03	19.8	3.233838	8.4	27.164242
	35	2008	13.5	NA	NA	S4	35.97	23	1.563913	9.5	14.857174
	20	2008		NA	NA						
							100.00	21	4.797751	8.8	42.021416
Turbgen.	50	2008		9	9						
	35	2008	13.5	NA	NA	S4	100.00	23	4.347826	9.5	41.304348
	20	2008		NA	NA						
							100.00	23	4.347826	9.5	41.304348
Acc. Electric	50	2008	13.5	23	9	0.985041	79.95	19.8	4.037879	8.4	33.918182
	35	2008	13.5	NA	NA	S4	18.59	23	0.808261	9.5	7.678478
	20	2008	13.5	NA	NA	S3	1.46	19.2	0.076042	6.5	0.494271
							100.00	20	4.922181	8.6	42.090931
Misc.	50	2008	13.5	23	9	0.985041	100.00	19.8	5.050505	8.4	42.424242
	35	2008		NA	NA						
	20	2008		NA	NA						
							100.00	19.8	5.050505	8.4	42.424242

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON TRUST

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 3											
Structures	50	2010	14.5	26	11	0.988178	85.66	21	4.079048	10.2	41.606286
	35	2010	14.5	NA	NA	S4	5.27	26	0.202692	11.3	2.290423
	20	2010	14.5	NA	NA	S3	9.07	19.8	0.458081	6.4	2.931717
							100.00	21	4.739821	9.9	46.828426
Boiler Plant	50	2010	14.5	26	11	0.988178	63.99	21	3.047143	10.2	31.080857
	35	2010	14.5	NA	NA	S4	36.01	26	1.385000	11.3	15.650500
	20	2010		NA	NA						
							100.00	23	4.432143	10.5	46.731357
Turbgen.	50	2010		11	11						
	35	2010	14.5	NA	NA	S4	100.00	26	3.846154	11.3	43.461538
	20	2010		NA	NA						
							100.00	26	3.846154	11.3	43.461538
Acc. Electric	50	2010	14.5	26	11	0.988178	83.29	21	3.966190	10.2	40.455143
	35	2010	14.5	NA	NA	S4	15.31	26	0.588846	11.3	6.653962
	20	2010	14.5	NA	NA	S3	1.40	19.8	0.070707	6.4	0.452525
							100.00	22	4.625744	10.3	47.561630
Misc.	50	2010	14.5	26	11	0.988178	100.00	21	4.761905	10.2	48.571429
	35	2010		NA	NA						
	20	2010		NA	NA						
							100.00	21	4.761905	10.2	48.571429

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON TRUST

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL		
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.	
UNIT 4												
Structures	50	2013	15.5	30	14	0.990264	82.68	26	3.180000	13	41.340000	
	35	2013	15.5	NA	NA	S4	4.91	29	0.169310	13.8	2.336483	
	20	2013	15.5	NA	NA	S3	12.41	20	0.620500	6.1	3.785050	
							100.00		25	3.969810	12	47.461533
Boiler Plant	50	2013	15.5	30	14	0.990264	60.61	26	2.331154	13	30.305000	
	35	2013	15.5	NA	NA	S4	39.39	29	1.358276	13.8	18.744207	
	20	2013		NA	NA							
							100.00		27	3.689430	13.3	49.049207
31 Turbgen.	50	2013		14	14							
	35	2013	15.5	NA	NA	S4	100.00	29	3.448276	13.8	47.586207	
	20	2013		NA	NA							
							100.00		29	3.448276	13.8	47.586207
Acc. Electric	50	2013	15.5	30	14	0.990264	87.86	26	3.379231	13	43.930000	
	35	2013	15.5	NA	NA	S4	10.70	29	0.368966	13.8	5.091724	
	20	2013	15.5	NA	NA	S3	1.44	20	0.072000	6.1	0.439200	
							100.00		26	3.820196	12.9	49.460924
Misc.	50	2013	15.5	30	14	0.990264	100.00	26	3.846154	13	50.000000	
	35	2013		NA	NA							
	20	2013		NA	NA							
							100.00		26	3.846154	13	50.000000

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

HOOKERS POINT

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
COMMON											
Structures	56	2003	25.1	29	4	0.994857	82.66	27	3.061481	3.9	11.939778
	35	2003	11.6	NA	NA	S4	7.07	16	0.441875	4.5	1.9884375
	20	2003	14.7	NA	NA	S3	10.27	17.5		3.8	
							100.00	29	3.503356	4	13.928215
Boiler Plant	56	2003	22.7	27	4	0.994857	75.70	26	2.911538	3.9	11.355
	35	2003	11.9	NA	NA	S4	23.98	16	1.498750	4.5	6.744375
	20	2003	0.5	NA	NA	S3	0.32	5	0.064000	4.5	0.288
							100.00	22	4.474288	4.1	18.387375
Turbgen.	56	2003	20.1	24	4	0.994857	84.86	23	3.689565	3.9	14.389304
	35	2003	16.2	NA	NA	S4	15.14	21	0.720952	4.5	3.2442857
	20	2003		NA	NA						
							100.00	23	4.410518	4	17.63359
Acc. Electric	56	2003	16	20	4	0.994857	36.96	19.5	1.895385	3.9	7.392
	35	2003	14.3	NA	NA	S4	19.14	19	1.007368	4.5	4.5331579
	20	2003	6.8	NA	NA	S3	43.90	11	3.990909	4.5	17.959091
							100.00	14.5	6.893662	4.3	29.884249
Misc.	56	2003	13.1	17	4	0.994857	3.97	16.7	0.237725	3.9	0.9271257
	35	2003	11.6	NA	NA	S4	9.68	16	0.605000	4.5	2.7225
	20	2003	18.2	NA	NA	S3	86.35	19.2	4.497396	4.5	20.238281
							100.00	18.7	5.340120	4.5	23.887907

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

HOOKERS POINT

PLANT	POSSIBLE SVE. LIFE	RETIREMT DATE	AGE	POTENTIAL TOTAL	SPAN EMMAININ	CURVE	% OF INVEST.	ASL YEARS	ASL WTG.	ARL YEARS	ARL WTG.
UNIT 1											
Structures	55	2003	50.5	55	4	0.989985	48.20	43	1.120930	3.9	4.3716279
	55	2003	50.4	NA	NA	0.989985	51.80	43	1.204651	3.9	4.6981395
	20	2003		NA	NA		100.00	43	2.325581	3.9	9.0697674
Boiler Plant	55	2003	45.4	49	4	0.989985	56.25	39	1.442308	3.9	5.625
	55	2003	38.2	NA	NA	0.989985	43.75	39	1.121795	3.9	4.375
	20	2003		NA	NA		100.00	39	2.564103	3.9	10
Turbgen.	55	2003	47	51	4	0.989985	61.57	40	1.539250	3.9	6.003075
	55	2003	38.1	NA	NA	0.989985	38.43	40	0.960750	3.9	3.746925
	20	2003		NA	NA		100.00	40	2.500000	3.9	9.75
Acc. Electric	55	2003	44.9	49	4	0.989985	49.12	39	1.259487	3.9	4.912
	55	2003	35.8	NA	NA	0.989985	50.88	39	1.304615	3.9	5.088
	20	2003		NA	NA		100.00	39	2.564103	3.9	10
Misc.	55	2003	50.5	55	4	0.989985	43.25	43	1.005814	3.9	3.9226744
	55	2003	50	NA	NA	0.989985	56.75	43	1.319767	3.9	5.147093
	20	2003		NA	NA		100.00	43	2.325581	3.9	9.0697674

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

HOOKERS POINT

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 2 & 3											
Structures	52	2003	46.9	51	4	0.989858	32.89	40	0.822250	3.9	3.206775
	52	2003	46.1	NA	NA	0.989858	67.11	40	1.677750	3.9	6.543225
	20	2003		NA	NA			100.00	40	2.500000	3.9
Boiler Plant	52	2003	29.4	33	4	0.989858	43.68	28	1.560000	3.9	6.084
	35	2003	18.2	NA	NA	S4	53.15	23	2.310870	4.5	10.398913
	20	2003	13.6	NA	NA	S3	3.17	16.9	0.187574	4	0.7502959
							100.00	25	4.058444	4.2	17.233209
34 Turbgen.	52	2003	32.4	36	4	0.989858	54.53	30	1.817667	3.9	7.0889
	35	2003	33.2	NA	NA	S4	45.47	34	1.337353	3.4	4.547
	20	2003		NA	NA			100.00	32	3.155020	3.7
Acc. Electric	52	2003	35.7	40	4	0.989858	44.27	33	1.341515	3.9	5.2319091
	52	2003	34.5	NA	NA	0.989858	50.85	33	1.540909	3.9	6.0095455
	35	2003	28.3	NA	NA	S3	4.88	31	0.157419	4	0.6296774
							100.00	33	3.039844	3.9	11.871132
Misc.	52	2003	36.4	40	4	0.989858	22.04	33	0.667879	3.9	2.6047273
	52	2003	35.6	NA	NA	0.989858	77.96	33	2.362424	3.9	9.2134545
	20	2003		NA	NA			100.00	33	3.030303	3.9

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

HOOKERS POINT

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 4											
Structures	50	2003	45.5	50	4	0.988338	33.02	38	0.868947	3.9	3.3888947
	50	2003	45.5	NA	NA	0.988338	66.98	38	1.762632	3.9	6.8742632
	20	2003		NA	NA						
							100.00	38	2.631579	3.9	10.263158
Boiler Plant	50	2003	43.5	48	4	0.988338	57.11	37	1.543514	3.9	6.0197027
	35	2003	33	NA	NA	S4	36.26	34	1.066471	3.4	3.626
	35	2003	26.4	NA	NA	S3	6.63	30	0.221000	4.1	0.9061
							100.00	35	2.830984	3.7	10.551803
35 Turbgen.	50	2003	41.4	45	4	0.988338	57.28	35	1.636571	3.9	6.3826286
	50	2003	38.4	NA	NA	0.988338	42.72	35	1.220571	3.9	4.7602286
	20	2003		NA	NA						
							100.00	35	2.857143	3.9	11.142857
Acc. Electric	50	2003	35.1	39	4	0.988338	57.86	32	1.808125	3.9	7.0516875
	35	2003	31.6	NA	NA	S4	38.11	33	1.154848	3.7	4.2729394
	35	2003	20.1	NA	NA	S3	4.03	25	0.161200	4.4	0.70928
							100.00	32	3.124173	3.9	12.033907
Misc.	50	2003	34	38	4	0.988338	16.47	31	0.531290	3.9	2.0720323
	35	2003	32.1	NA	NA	S4	83.53	33	2.531212	3.6	9.1123636
	20	2003		NA	NA						
							100.00	33	3.062502	3.7	11.184396

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

HOOKERS POINT

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
UNIT 5											
Structures	48	2003	43.5	48	4	0.991084	31.94	39	0.818974	3.9	3.194
	48	2003	43.5	NA	NA	0.991084	68.06	39	1.745128	3.9	6.806
	20	2003		NA	NA						
							100.00	39	2.564103	3.9	10
Boiler Plant	48	2003	34.9	39	4	0.991084	40.31	33	1.221515	3.9	4.7639091
	35	2003	14.4	NA	NA	S4	58.00	19	3.052632	4.5	13.736842
	35	2003	28.3	NA	NA	S4	1.69	31	0.054516	4	0.2180645
							100.00	23	4.328663	4.3	18.718816
Turbgen.	48	2003	43.5	48	4	0.991084	33.71	39	0.864359	3.9	3.371
	35	2003	27.3	NA	NA	S4	66.29	31	2.138387	4	8.5535484
	20	2003		NA	NA						
							100.00	33	3.002746	4	11.924548
Acc. Electric	48	2003	30.5	35	4	0.991084	65.82	30	2.194000	3.9	8.5566
	35	2003	28.2	NA	NA	S4	34.18	31	1.102581	4	4.4103226
	20	2003		NA	NA						
							100.00	30	3.296581	3.9	12.966923
Misc.	48	2003	26.7	31	4	0.991084	51.06	27	1.891111	3.9	7.3753333
	48	2003	39.9	NA	NA	0.991084	48.94	27	1.812593	3.9	7.0691111
	20	2003		NA	NA						
							100.00	27	3.703704	3.9	14.444444

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

DINNER LAKE

PLANT	POSSIBLE SVE. LIFE	RETIREMT DATE	AGE	POTENTIAL TOTAL	SPAN EMAININ	CURVE	% OF INVEST.	ASL YEARS	WTG.	ARL YEARS	WTG.
DINNER LAKE											
Structures	40	2006	29.9	37	7	0.990231	42.10	31	1.358065	6.7	9.0990323
	35	2006	24.2	NA	NA	S4	57.90	31	1.867742	6.6	12.327097
	20	2006		NA	NA						
							100.00	31	3.225806	6.6	21.426129
Boiler Plant	40	2006	32.5	40	7	0.990231	55.72	33	1.688485	6.7	11.312848
	35	2006	32	NA	NA	S4	44.28	34	1.302353	4.9	6.3815294
	20	2006		NA	NA						
							100.00	33	2.990838	5.9	17.694378
Turbgen.	40	2006	32.1	39	7	0.990231	58.48	33	1.772121	6.7	11.873212
	35	2006	28.9	NA	NA	S4	41.52	33	1.258182	5.8	7.2974545
	20	2006		NA	NA						
							100.00	33	3.030303	6.3	19.170667
Acc. Electric	40	2006	28.5	36	7	0.990231	49.84	31	1.607742	6.7	10.771871
	35	2006	30	NA	NA	S4	50.16	34	1.475294	5.4	7.9665882
	20	2006		NA	NA						
							100.00	32	3.083036	6.1	18.738459
Misc.	40	2006	32.5	40	7	0.990231	47.15	33	1.428788	6.7	9.5728788
	35	2006	28.1	NA	NA	S4	52.85	33	1.601515	5.8	9.2887879
	20	2006		NA	NA						
							100.00	33	3.030303	6.2	18.861667

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TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

STRUCTURES & IMPROVEMENTS

PLANT	POSSIBLE SVE. LIFE	AGE	CURVE	% OF INVEST.	ASL YEARS	WTG.	ARL YEARS	WTG.
Structures	40	14.3	0.998525	82.59	39	2.117692	25	52.942308
	25	13.6	S4	17.41	25	0.696400	11.4	7.93896
	20			0.00				0
				<u>100.00</u>	36	<u>2.814092</u>	22	<u>60.881268</u>

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND COMBUSTION TURBINE

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
NO. 1											
Structures	40	2009	28.1	38	10	0.960304	86.50	19.5	4.435897	8.1	35.930769
	40	2009	28.7	NA	NA	0.960304	13.50	19.5	0.692308	8.1	5.6076923
	20	2009		NA	NA						
							100.00	19.5	5.128205	8.1	41.538462
Boiler Plant	40	2009	28.6	39	10	0.960304	82.50	19.7	4.187817	8.1	33.92132
	40	2009	29	NA	NA	0.960304	17.50	19.7	0.888325	8.1	7.1954315
	20	2009		NA	NA						
							100.00	19.7	5.076142	8.1	41.116751
39 Turbgen.	40	2009	24.7	35	10	0.960304	28.99	18.8	1.542021	8.1	12.490372
	40	2009	29.5	NA	NA	0.960304	71.01	18.8	3.777128	8.1	30.594734
	20	2009		NA	NA						
							100.00	18.8	5.319149	8.1	43.085106
Acc. Electric	40	2009	28.2	38	10	0.960304	45.05	19.5	2.310256	8.1	18.713077
	40	2009	27	NA	NA	0.960304	54.95	19.5	2.817949	8.1	22.825385
	20	2009		NA	NA						
							100.00	19.5	5.128205	8.1	41.538462
Misc.	40	2009	22.7	33	10	0.960304	100.00	18.3	5.464481	8.1	44.262295
	25	2009		NA	NA						
	20	2009		NA	NA						
							100.00	18.3	5.464481	8.1	44.262295

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

BIG BEND COMBUSTION TURBINE

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
NO. 2 & 3											
Structures	30	2004	24.5	30	5	0.937215	90.54	13.3	6.807519	4.1	27.910827
	30	2004	24.4	NA	NA	0.937215	6.05	13.3	0.454887	3.4	1.5466165
	20	2004	14	NA	NA	S3	3.41	18.5	0.184324	5	0.9216216
							100.00	13.4	7.446730	4.1	30.379065
Boiler Plant	30	2004	24.5	30	5	0.937215	87.54	13.3	6.581955	4.1	26.986015
	30	2004	24.5	NA	NA	0.937215	12.46	13.3	0.936842	3.4	3.1852632
	20	2004		NA	NA						
							100.00	13.3	7.518797	4	30.171278
40 Turbgen.	30	2004	23.2	28	5	0.937215	51.29	13	3.945385	4.1	16.176077
	25	2004	14.5	NA	NA	S4	48.71	21	2.319524	6.1	14.149095
	20	2004		NA	NA						
							100.00	16	6.264908	4.8	30.325172
Acc. Electric	30	2004	24.5	30	5	0.937215	42.96	13.3	3.230075	4.1	13.243308
	25	2004	14.9	NA	NA	S4	53.27	21	2.536667	6.1	15.473667
	20	2004	7.1	NA	NA	S3	3.77	13.8	0.273188	6.3	1.721087
							100.00	16.6	6.039930	5	30.438062
Misc.	30	2004	24.5	30	5	0.937215	29.08	13.3	2.186466	4.1	8.9645113
	30	2004	24.5	NA	NA	0.937215	70.92	13.3	5.332331	3.4	18.129925
	20	2004		NA	NA						
							100.00	13.3	7.518797	3.6	27.094436

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

GANNON COMBUSTION TURBINE

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
NO. 1											
Structures	40	2009	29.5	40	10	0.967913	91.65	22.5	4.073333	8.4	34.216
	40	2009	28.6	NA	NA	0.967913	8.35	22.5	0.371111	8.4	3.1173333
	20	2009		NA	NA						
							100.00	23	4.444444	8.4	37.3333333
Boiler Plant	40	2009	29.5	40	10	0.967913	57.58	22.5	2.559111	8.4	21.496533
	40	2009	29.5	NA	NA	0.967913	42.42	22.5	1.885333	8.4	15.8368
	20	2009		NA	NA						
							100.00	23	4.444444	8.4	37.3333333
41 Turbgen.	40	2009	29.1	39	10	0.967913	66.14	22.2	2.979279	8.4	25.025946
	40	2009	29.5	NA	NA	0.967913	33.86	22.2	1.525225	8.4	12.811892
	20	2009		NA	NA						
							100.00	22	4.504505	8.4	37.837838
Acc. Electric	40	2009	17.6	28	10	0.967913	50.37	18.6	2.708065	8.4	22.747742
	25	2009	22.9	NA	NA	S4	49.63	25	1.985200	4	7.9408
	20	2009		NA	NA						
							100.00	21	4.693265	6.5	30.688542

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

PHILLIPS STATION

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL	
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.
PHILLIPS STATION											
Structures	30	2013	15.1	29	14	0.985712	48.30	24	2.012500	12.6	25.3575
	25	2013	15.2	NA	NA	S4	51.70	25	2.068000	9.4	19.4392
	20	2013		NA	NA						
							100.00	25	4.080500	11	44.7967
Boiler Plant	30	2013	15.5	30	14	0.985712	56.19	25	2.247600	12.6	28.31976
	25	2013	15.5	NA	NA	S4	41.84	25	1.673600	9.4	15.73184
	20	2013	15.5	NA	NA	S3	1.97	20	0.098500	6.1	0.60085
							100.00	25	4.019700	11.1	44.65245
42 Turbgen.	30	2013	15.2	29	14	0.985712	60.79	24	2.532917	12.6	31.91475
	25	2013	15	NA	NA	S4	39.03	25	1.561200	9.4	14.67528
	20	2013	0.5	NA	NA	S3	0.18	14.6	0.012329	14.1	0.1738356
							100.00	24	4.106445	11.4	46.763866
Acc. Electric	30	2013	15.5	30	14	0.985712	48.08	25	1.923200	12.6	24.23232
	25	2013	15.4	NA	NA	S4	44.77	25	1.790800	9.4	16.83352
	20	2013	15.2	NA	NA	S3	7.15	20	0.357500	6.1	2.18075
							100.00	25	4.071500	10.6	43.24659
Misc.	30	2013	15.5	30	14	0.985712	49.39	25	1.975600	12.6	24.89256
	25	2013	15.4	NA	NA	S4	45.97	25	1.838800	9.4	17.28472
	20	2013	6.7	NA	NA	S3	4.64	18.5	0.250811	12	3.0097297
							100.00	25	4.065211	11.1	45.18701

TECO-1999 DEPRECIATION STUDY SERVICE LIFE DEVELOPMENT FOR PRODUCTION PLANT

POLK STATION

PLANT	POSSIBLE RETIREMT		AGE	POTENTIAL SPAN		CURVE	% OF INVEST.	ASL		ARL		
	SVE. LIFE	DATE		TOTAL	EMAININ			YEARS	WTG.	YEARS	WTG.	
POLK UNIT 1												
Structures	50	2036	2.5	40	37	0.992068	55.11	35	1.574571	32	50.386286	
	40	2036	2.5	40	37	0.992068	37.00	35	1.057143	32	33.828571	
	20	2036	2.5	NA	NA	S4	4.95	20	0.247500	17.5	4.33125	
	5	2036	2.5	NA	NA	S3	2.94	5	0.588000	2.6	1.5288	
						100.00		29	3.467214	26	90.074907	
Boiler Plant	40	2036	2.3	39	37	0.992068	57.03	34	1.677353	32	53.675294	
	20	2036	2.4	NA	NA	S4	37.06	20	1.853000	17.6	32.6128	
	5	2036	2.5	NA	NA	S3	5.91	5	1.182000	2.6	3.0732	
						100.00		21	4.712353	19	89.361294	
Turbgen.	40	2036	2.5	40	37	0.992068	39.68	35	1.133714	32	36.278857	
	20	2036	2.5	NA	NA	S4	59.76	20	2.988000	17.5	52.29	
	5	2036	2.5	NA	NA	S3	0.56	5	0.112000	2.6	0.2912	
						100.00		24	4.233714	21	88.860057	
Acc. Electri	50	2036	2.5	40	37	0.992068	1.24	35	0.035429	32	1.1337143	
	40	2036	2.5	40	37	0.992068	59.21	35	1.691714	32	54.134857	
	20	2036	2.5	NA	NA	S4	38.50	20	1.925000	17.5	33.6875	
	5	2036	2.5	NA	NA	S3	1.05	5	0.210000	2.6	0.546	
						100.00		26	3.862143	23	89.502071	
Misc.	50	2036	2.5	40	37	0.992068	8.05	35	0.230000	32	7.36	
	40	2036	2.5	40	37	0.992068	74.89	35	2.139714	32	68.470857	
	20	2036	2.1	NA	NA	S4	10.28	20	0.514000	17.9	9.2006	
	5	2036	2.5	NA	NA	S3	6.78	5	1.356000	2.6	3.5256	
						100.00		24	4.239714	21	88.557057	

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