## ATTACHMENT H-8G

PPL Electric Utilities Corporation

| Formula Rate -- Appendix A |  | Notes | FERC Form 1 Page \# or Instruction | 2014 Data |
| :---: | :---: | :---: | :---: | :---: |
| Shaded cells are input cells |  |  |  |  |
| Allocators |  |  |  |  |
| Wages \& Salary Allocation Factor |  |  |  |  |
| 1 | Transmission Wages Expense |  | p354.21.b | 8,815,908 |
| 2 | Total Wages Expense |  | p354.28.b | 90,980,746 |
| 3 | Less A\&G Wages Expense |  | p354.27.b | 923,526 |
| 4 | Total Wages Less A\&G Wages Expense |  | (Line 2 - Line 3) | 90,057,220 |
| 5 | Wages \& Salary Allocator |  | (Line 1/ Line 4) | 9.7892\% |
| Plant Allocation Factors |  |  |  |  |
| 6 | Electric Plant in Service |  | p207.104.g | 7,865,810,412 |
| 7 | Accumulated Depreciation (Total Electric Plant) | (Note J) | p219.29.c | 2,452,333,917 |
| 8 | Accumulated Amortization | (Note A) | p200.21.c | 56,047,108 |
| 9 | Total Accumulated Depreciation |  | (Line $7+8$ ) | 2,508,381,025 |
| 10 | Net Plant |  | (Line 6 - Line 9) | 5,357,429,387 |
| 11 | Transmission Gross Plant (excluding Land Held for Future Use) |  | (Line 25 - Line 24) | 2,897,800,742 |
| 12 | Gross Plant Allocator |  | (Line 11 / Line 6) | 36.8405\% |
| 13 | Transmission Net Plant (excluding Land Held for Future Use) |  | (Line 33 - Line 24) | 2,347,417,200 |
| 14 | Net Plant Allocator |  | (Line 13 / Line 10) | 43.8161\% |
| Plant Calculations |  |  |  |  |
| Plant In Service |  |  |  |  |
| 15 | Transmission Plant In Service | (Note B) | p207.58.g | 2,358,508,164 |
| 16 | For Reconciliation only - remove New Transmission Plant Additions for Current Calendar Year | For Reconciliation Only | Attachment 6 |  |
| 17 | New Transmission Plant Additions for Current Calendar Year (weighted by months in service) | (Note B) | Attachment 6 | 463,387,824 |
| 18 | Total Transmission Plant |  | (Line 15 - Line 16 + Line 17) | 2,821,895,988 |
| 19 | General |  | p207.99.9 | 668,148,916 |
| 20 | Intangible |  | p205.5.g | 107,241,562 |
| 21 | Total General and Intangible Plant |  | (Line 19 + Line 20) | 775,390,478 |
| 22 | Wage \& Salary Allocator |  | (Line 5) | 9.7892\% |
| 23 | Total General and Intangible Functionalized to Transmission |  | (Line 21 * Line 22) | 75,904,754 |
| 24 | Land Held for Future Use | (Note C) (Note P) | Attachment 5 | 45,055,773 |
| 25 | Total Plant In Rate Base |  | (Line 18 + Line 23 + Line 24) | $\underline{\text { 2,942,856,515 }}$ |
| Accumulated Depreciation |  |  |  |  |
| 26 | Transmission Accumulated Depreciation | (Note J) | p219.25.c | 522,273,974 |
| 27 | Accumulated General Depreciation | (Note J) | p219.28.c | 231,100,809 |
| 28 | Accumulated Amortization |  | (Line 8) | 56,047,108 |
| 29 | Total Accumulated Depreciation |  | (Line 27 + 28) | 287,147,917 |
| 30 | Wage \& Salary Allocator |  | (Line 5) | 9.7892\% |
| 31 | Subtotal General and Intangible Accum. Depreciation Allocated to Transmission |  | (Line 29 * Line 30) | 28,109,569 |
| 32 | Total Accumulated Depreciation |  | (Sum Lines 26 + 31) | 550,383,543 |
| 33 | Total Net Property, Plant \& Equipment |  | (Line 25 - Line 32) | 2,392,472,973 |


| Adjustment To Rate Base |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| 34 | Accumulated Deferred Income Taxes |  |  |  |
|  | ADIT net of FASB 106 and 109 |  | Attachment 1 | -254,573,497 |
|  | CWIP for Incentive Transmission Projects |  |  |  |
| 35 | CWIP Balances for Current Rate Year | (Note H) | Attachment 6 | 226,463,298 |
|  | Prepayments |  |  |  |
| 36 | Prepayments | (Note A) (Note O) | Attachment 5 | 688,517 |
|  | Materials and Supplies |  |  |  |
| 37 | Undistributed Stores Expense | (Note A) | p227.16.c | 3,087,009 |
| 38 | Wage \& Salary Allocator |  | (Line 5) | 9.7892\% |
| 39 | Total Undistributed Stores Expense Allocated to Transmission |  | (Line 37 * Line 38) | 302,194 |
| 40 | Transmission Materials \& Supplies |  | p227.8.c | 9,126,625 |
| 41 | Total Materials \& Supplies Allocated to Transmission |  | (Line $39+$ Line 40) | 9,428,819 |
|  | Cash Working Capital |  |  |  |
| 42 | Operation \& Maintenance Expense |  | (Line 70) | 55,820,719 |
| 43 | 1/8th Rule |  | 1/8 | 12.5\% |
| 44 | Total Cash Working Capital Allocated to Transmission |  | (Line 42 * Line 43) | 6,977,590 |
| 45 | Total Adjustment to Rate Base |  | (Lines 34-35 + $36+41+44$ ) | -11,015,273 |
| 46 | Rate Base |  | (Line 33 + Line 45) | 2,381,457,700 |
| Operations \& Maintenance Expense |  |  |  |  |
|  | Transmission O\&M |  |  |  |
| 47 | Transmission O\&M |  | Attachment 5 | 121,522,011 |
| 48 | Less Account 565 |  | Attachment 5 | 80,276,320 |
| 49 | Plus Charges billed to Transmission Owner and booked to Account 565 | (Note N) | Attachment 5 | 0 |
| 50 | Transmission O\&M |  | (Lines 47-48 + 49) | 41,245,691 |
|  | Allocated Administrative \& General Expenses |  |  |  |
| 51 | Total A\&G |  | 323.197b | 151,566,641 |
| 52 | Less: Administrative \& General Expenses on Securitization Bonds | (Note O) | Attachment 8 | 0 |
| 53 | Plus: Fixed PBOP expense | (Note J) | Attachment 5 | 1,518,585 |
| 54 | Less: Actual PBOP expense |  | Attachment 5 | 1,518,585 |
| 55 | Less Property Insurance Account 924 |  | p323.185.b | 743,818 |
| 56 | Less Regulatory Commission Exp Account 928 | (Note E) | p323.189.b | 5,263,709 |
| 57 | Less General Advertising Exp Account 930.1 |  | p323.191.b | 0 |
| 58 | Less EPRI Dues | (Note D) | p352 \& 353 | 0 |
| 59 | Administrative \& General Expenses |  | Sum (Lines $51+53$ ) - Line $52-$ Sum (Lines 54 to 58) | 145,559,114 |
| 60 | Wage \& Salary Allocator |  | (Line 5) | 9.7892\% |
| 61 | Administrative \& General Expenses Allocated to Transmission |  | (Line 59 * Line 60) | 14,249,116 |
|  | Directly Assigned A\&G |  |  |  |
| 62 | Regulatory Commission Exp Account 928 | (Note G) | Attachment 5 | 0 |
| 63 | General Advertising Exp Account 930.1 | (Note K) | Attachment 5 | 0 |
| 64 | Subtotal - Accounts 928 and 930.1-Transmission Related |  | (Line 62 + Line 63) | 0 |
| 65 | Property Insurance Account 924 | (Note G) | Attachment 5 | 743,818 |
| 66 | General Advertising Exp Account 930.1 | (Note F) | Attachment 5 | 0 |
| 67 | Total Accounts 924 and 930.1 - General |  | (Line 65 + Line 66) | 743,818 |
| 68 | Net Plant Allocator |  | (Line 14) | 43.8161\% |
| 69 | A\&G Directly Assigned to Transmission |  | (Line 67 * Line 68) | 325,912 |
| 70 | Total Transmission O\&M |  | (Lines 50 +61+64+69 ) | 55,820,719 |


| Depreciation \& Amortization Expense |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Depreciation Expense |  |  |  |
| 71 | Transmission Depreciation Expense Including Amortization of Limited Term Plant | (Note J) | Attachment 5 | 36,526,694 |
| 72 | General Depreciation Expense Including Amortization of Limited Term Plant | (Note J) | Attachment 5 | 20,132,932 |
| 73 | Intangible Amortization | (Note A) | p336.1.d\&e | 20,140,847 |
| 74 | Total |  | (Line $72+$ Line 73) | 40,273,779 |
| 75 | Wage \& Salary Allocator |  | (Line 5) | 9.7892\% |
| 76 | General Depreciation \& Intangible Amortization Allocated to Transmission |  | (Line 74 * Line 75) | 3,942,493 |
| 77 | Total Transmission Depreciation \& Amortization |  | (Lines 71-76) | 40,469,187 |
| Taxes Other than Income Taxes |  |  |  |  |
| 78 | Taxes Other than Income Taxes |  | Attachment 2 | 3,134,513 |
| 79 | Total Taxes Other than Income Taxes |  | (Line 78) | 3,134,513 |
| Return I Capitalization Calculations |  |  |  |  |
| Long Term Interest |  |  |  |  |
| 80 | Long Term Interest |  | p117.62.c through 66.c | 123,860,728 |
| 81 | Less LTD Interest on Securitization Bonds | (Note O) | Attachment 8 | 0 |
| 82 | Long Term Interest |  | (Line 80 - Line 81) | 123,860,728 |
| 83 | Preferred Dividends | enter positive | p118.29.c | - |
| Common Stock |  |  |  |  |
| 84 | Proprietary Capital |  | p112.16.c | 2,715,813,040 |
| 85 | Less Accumulated Other Comprehensive Income Account 219 |  | p112.15.c | 31,470 |
| 86 | Less Preferred Stock |  | (Line 94) | 0 |
| 87 | Less Account 216.1 |  | p112.12.c | 10,261,435 |
| 88 | Common Stock |  | (Line 84-85-86-87) | 2,705,520,135 |
| Capitalization |  |  |  |  |
| 89 | Long Term Debt |  | p112.18.c, 19.c \& 21.c | 2,613,750,000 |
| 90 | Less Loss on Reacquired Debt |  | p111.81.c | 49,403,653 |
| 91 | Plus Gain on Reacquired Debt |  | p113.61.c | 0 |
| 92 | Less LTD on Securitization Bonds | (Note O) | Attachment 8 | 0 |
| 93 | Total Long Term Debt |  | (Line 89-90 + 91-92) | 2,564,346,347 |
| 94 | Preferred Stock |  | p112.3.c | 0 |
| 95 | Common Stock |  | (Line 88) | 2,705,520,135 |
| 96 | Total Capitalization |  | (Sum Lines 93 to 95) | 5,269,866,482 |
| 97 | Debt \% Total Long Term Debt |  | (Line 93 / Line 96) | 48.7\% |
| 98 | Preferred \% Preferred Stock |  | (Line 94 / Line 96) | 0.0\% |
| 99 | Common \% Common Stock |  | (Line 95 / Line 96) | 51.3\% |
| 100 | Debt Cost Total Long Term Debt |  | (Line 82 / Line 93) | 0.0483 |
| 101 | Preferred Cost Preferred Stock |  | (Line 83 / Line 94) | 0.0000 |
| 102 | Common Cost Common Stock | (Note J) | Fixed | 0.1168 |
| 103 | Weighted Cost of Debt Total Long Term Debt (WCLTD) |  | (Line 97 * Line 100) | 0.0235 |
| 104 | Weighted Cost of Preferred Preferred Stock |  | (Line 98 * Line 101) | 0.0000 |
| 105 | Weighted Cost of Common Common Stock |  | (Line 99 * Line 102) | 0.0600 |
| 106 | Rate of Return on Rate Base (ROR) |  | (Sum Lines 103 to 105) | 0.0835 |
| 107 | Investment Return = Rate Base * Rate of Return |  | (Line 46 * Line 106) | 198,775,631 |


| Composite Income Taxes |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Income Tax Rates |  |  |  |  |
| 108 | FIT=Federal Income Tax Rate (Note I) |  |  | 35.00\% |
| 109 | SIT=State Income Tax Rate or Composite |  |  | 9.99\% |
| 110 | p ( ${ }^{\text {a }}$ (percent of federal income tax deductible for state purposes) | Per State Tax Code |  | 0.00\% |
| 111 | T ( $=1-\{[(1-\mathrm{SIT}) *(1-\mathrm{FIT})] /(1-\mathrm{SIT}$ * FIT * p$) \mathrm{l}=$ |  |  | 41.49\% |
| 112 | T / (1-T) |  |  | 70.92\% |
| ITC Adjustment |  |  |  |  |
| 113 | Amortized Investment Tax Credit - Transmission Related | Attachment 5 |  | -20,102 |
| 114 | ITC Adjust. Allocated to Trans. - Grossed Up ITC Adjustment $\times 1 /$ (1-T) | Line 113 * (1/ (1-Line 111)) |  | -34,359 |
| 115 | Income Tax Component = (T/1-T) * Investment Return * (1-(WCLTD/ROR)) = | [Line 112 * Line 107 * (1- (Line 103 / Line 106))] |  | 101,277,465 |
| 116 | Total Income Taxes | (Line 114 + Line 115) |  | 101,243,107 |
| Revenue Requirement |  |  |  |  |
| Summary |  |  |  |  |
| 117 | Net Property, Plant \& Equipment | (Line 33) |  | 2,392,472,973 |
| 118 | Total Adjustment to Rate Base | (Line 45) |  | -11,015,273 |
| 119 | Rate Base | (Line 46) |  | 2,381,457,700 |
| 120 | Total Transmission O\&M | (Line 70) |  | 55,820,719 |
| 121 | Total Transmission Depreciation \& Amortization | (Line 77) |  | 40,469,187 |
| 122 | Taxes Other than Income | (Line 79) |  | 3,134,513 |
| 123 | Investment Return | (Line 107) |  | 198,775,631 |
| 124 | Income Taxes | (Line 116) |  | 101,243,107 |
| 125 | Gross Revenue Requirement | (Sum Lines 120 to 124) |  | 399,443,156 |
| Adjustment to Remove Revenue Requirements Associated with Excluded Transmission Facilities |  |  |  |  |
| 126 | Transmission Plant In Service | (Line 15) |  | 2,358,508,164 |
| 127 | Excluded Transmission Facilities (Note M) | Attachment 5 |  | 0 |
| 128 | Included Transmission Facilities | (Line 126 - Line 127) |  | 2,358,508,164 |
| 129 | Inclusion Ratio | (Line 128 / Line 126) |  | 100.00\% |
| 130 | Gross Revenue Requirement | (Line 125) |  | 399,443,156 |
| 131 | Adjusted Gross Revenue Requirement | (Line 129 * Line 130) |  | 399,443,156 |
| Revenue Credits |  |  |  |  |
| 132 | Revenue Credits | Attachment 3 |  | 81,044,983 |
| 133 | Net Revenue Requirement | (Line 131 - Line 132) |  | 318,398,173 |
| Net Plant Carrying Charge |  |  |  |  |
| 134 | Gross Revenue Requirement | (Line 130) |  | 399,443,156 |
| 135 | Net Transmission Plant | (Line 18 - Line 26 + Line 35) |  | 2,526,085,312 |
| 136 | Net Plant Carrying Charge | (Line 134 / Line 135) |  | 15.8127\% |
| 137 | Net Plant Carrying Charge without Depreciation | (Line 134 - Line 71) / Line 135 |  | 14.3668\% |
| 138 | Net Plant Carrying Charge without Depreciation, Return, nor Income Taxes | (Line 134 - Line 71 - Line 107 - Line 116) / Line 135 |  | 2.4899\% |
| Net Plant Carrying Charge Calculation per 100 Basis Point increase in ROE |  |  |  |  |
| 139 | Gross Revenue Requirement Less Return and Taxes | (Line 130-Line 123-Line 124) |  | 99,424,418 |
| 140 | Increased Return and Taxes | Attachment 4 |  | 320,916,025 |
| 141 | Net Revenue Requirement per 100 Basis Point increase in ROE | (Line $139+$ Line 140) |  | 420,340,443 |
| 142 | Net Transmission Plant | (Line 18 - Line 26 + Line 35) |  | 2,526,085,312 |
| 143 | Net Plant Carrying Charge per 100 Basis Point increase in ROE | (Line 141 / Line 142) |  | 16.6400\% |
| 144 | Net Plant Carrying Charge per 100 Basis Point in ROE without Depreciation | (Line 141-Line 71) / Line 142 |  | 15.1940\% |
| 145 | Net Revenue Requirement | (Line 133) |  | 318,398,173 |
| 146 | True-up amount | Attachment 6 |  | $(53,949,038)$ |
| 147 | Facility Credits under Section 30.9 of the PJM OATT | Attachment 5 |  | - |
| 148 | Net Zonal Revenue Requirement | (Line $145+146+147)$ |  | 264,449,135 |
| Network Zonal Service Rate |  |  |  |  |
| 149 | 1 CP Peak (Note L) | PJM Data |  | 8,038.0 |
| 150 | Rate (\$/MW-Year) | (Line 148 / 149) | \$ | 32,900 |
| 151 | Network Service Rate (\$/MW/Year) | (Line 150) | \$ | 32,900 |

## Notes

A Electric portion only.
B Line 16, for the Reconciliation, includes New Transmission Plant that actually was placed in service weighted by the number of months it actually was in service. Line 17 includes New Transmission Plant to be placed in service in the current calendar year.
C Includes Transmission portion only.
D Includes all EPRI Annual Membership Dues.
E Includes all Regulatory Commission Expenses
F Includes Safety-related advertising included in Account 930.1.
G Includes Regulatory Commission Expenses directly related to transmission service, RTO filings, or transmission siting itemized in Form 1 at page 351.h. Property Insurance excludes prior period adjustment in the first year of the formula's operation and reconciliation for the first year.
H CWIP can be included only if authorized by the Commission.
I The currently effective income tax rate where FIT is the Federal income tax rate; SIT is the State income tax rate, and $p=$ the percentage of federal income tax deductible for state income taxes.
The calculation of the Reconciliation revenue requirement according to Step 7 of Attachment 6 ("Estimate and Reconciliation Worksheet") shall reflect the actual tax rates in effect for the Rate Year being reconciled ("Test Year"). When statutory marginal tax rates change during such Test Year, the effective tax rate used in the formula shall be weighted by the number of days each such rate was in effect. For example, a $35 \%$ rate in effect for 120 days superseded by a $40 \%$ rate in effect for the remainder of the year will be calculated as: $((.3500 \times 120)+(.4000 \times 245)) / 365=.3836$.
J ROE will be as follows: (i.) $11.60 \%$ for the period November 1, 2008 through May 31, 2009; (ii.) $11.64 \%$ for the period June 1, 2009 through May 31, 2010; (iii.) $11.68 \%$ on June 1, 2010 through May 31, 2011 and thereafter. No change in ROE will be made absent a filing at FERC. PBOP expense is fixed until changed as the result of a filing at FERC.
Depreciation rates shown in Attachment 9 are fixed until changed as the result of a filing at FERC.
Upon request, PPL Electric Utilities Corporation will provide workpapers at the annual update to reconcile formula depreciation expense and depreciation accruals to Form No. 1 amounts.
As set forth in Attachment 5, added to the depreciation expense will be actual removal costs (net of salvage) amortized over five years.
K Education and outreach expenses related to transmission (e.g., siting or billing).
L As provided for in Section 34.1 of the PJM OATT, the PJM established billing determinants will not be revised or updated in the annual rate reconciliations.
$M$ Amount of transmission plant excluded from rates per Attachment 5.
$N$ Includes only charges incurred for system integration, such as those under the EHV Agreement, and transmission costs paid to others that benefit transmission customers.
O Amounts associated with transition bonds issued to securitize the recovery of retail stranded costs are removed from account balances, pursuant to an Order entered by the Pennsylvania Public Utility Commission on May 21, 1999 at Docket No. R-00994637, in accordance with Pennsylvania's Electric Generation Customer Choice and Competition Act.
P Any gain from the sale of land included in Land Held for Future Use in the Formula Rate received during the Rate Year shall be used to reduce the ATRR in the Rate Year. The Formula Rate shall not include any losses on sales of such land.

|  | PPL Electric Utilities Corporation |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet |  |  |  |  |
|  | Transmission Related | Plant Related | $\begin{aligned} & \text { Labor } \\ & \text { Related } \end{aligned}$ | $\begin{aligned} & \text { Total } \\ & \text { Transmission } \\ & \text { ADIT } \end{aligned}$ |  |
| ADIT- 282 | $(286,260,355)$ | 0 | (60,949,782) |  | From Acct. 282 total, below |
| ADIT-283 | 0 | $(20,499,305)$ | $(623,801)$ |  | From Acct. 283 tota, below |
| ADIT-190 | 43,509,034 | 0 | 32,560,289 |  | From Acct. 190 total, below |
| Subtotal | $(242,751,321)$ | $(20,499,305)$ | $(29,013,294)$ |  | Sum lines 1 through 3 |
| Wages \& Salary Allocator |  |  | 9.7892\% |  |  |
| Net Plant Allocator |  | 43.8161\% |  |  |  |
| ADIT | (242,751,321) row 4 | $\begin{aligned} & (8,981,998) \\ & \text { row } 5 * \text { row } 4 \end{aligned}$ | $\begin{aligned} & (2,840,178) \\ & \text { row } 5 \times \text { row } 4 \end{aligned}$ | $(254,573,497)$ | Sum Cols. D, E, F; Enter as negative Appendix A, line 42. |

In filling out this attachment, a full and complete description of each item and justification for the allocation to Columns B-F and each separate ADIT item will be listed,


[^0]PPL Electric Utilities Corporation
Attachment 1 - Accumulated Deferred Income Taxes (ADIT) Worksheet

| ADIT- 282 | B Total | $\begin{gathered} \text { C } \\ \text { Gas, Prod, } \\ \text { Dist Or Other } \\ \text { Related } \\ \hline \end{gathered}$ | Transmission Related | Plant Related |  | G <br> Justification |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Account 282 |  |  |  |  |  |  |
| ACRS/MACRS Property (Non-Transmission) | (614,724,640) | (614,724,640) |  |  |  | Deductions for distribution related tax depreciation in excess of book depreciation at federal rate. |
| ACRS/MACRS Property (General Plant) | $(55,640,099)$ |  |  |  | $(55,640,099)$ | Deductions for general plant related tax depreciation in excess of book depreciation at applicable federal and state rates. |
| ACRS/MACRS Property (Transmission) | $(252,304,400)$ |  | $(252,304,400)$ |  |  | Deductions for transmission related method/life, book and tax recovery differences on pre-ACRS/MACRS property, ACRS/MACRS property and unamortized net negative salvage at federal and state rates |
| FAS109 regulatory assets/liabilities related to plant | $(186,773,317)$ | $(186,773,317)$ |  |  |  | Asset recorded for regulatory purposes to adjust plant related deferred taxes to current federal and state rates. |
| Basis adjustments between book and tax plant (Non-TX) | $(325,347,998)$ | $(325,347,998)$ |  |  |  | Basis difference between Distribution related book plant and tax plant basis at federal \& state rates. |
| Basis adjustments between book and tax plant (General Plant) | 1,663,416 |  |  |  | 1,663,416 | Basis difference between book plant and tax plant basis at federal \& state rates. |
| Basis adjustments between book and tax plant (Tx-related) | (33,910,545) |  | (33,910,545) |  |  | Basis difference between Transmission related plant and tax plant basis at federal \& state rates. |
| RAR adjustments related to plant (Non-Transmission) | 13,371,624 | 13,371,624 |  |  |  | Settled IRS audit adjustments related to Distribution plant. |
| RAR adjustments related to plant (Transmission) | $(45,410)$ |  | $(45,410)$ |  |  | Settled IRS audit adjustments related to Transmission plant. |
| RAR adjustments related to plant (General Plant) | $(6,973,099)$ |  |  |  | $(6,973,099)$ | Settled IRS audit adjustments related to General plant. |
| Effectively Settled Audit Adjustments | 8,777,955 | 8,777,955 |  |  |  | Agreed to IRS audit adjustments related to Distribution plant. |
| Non-Utility Property | $(84,471)$ | (84,471) |  |  |  | Difference between net book plant and net tax plant resulting from deductions for non-utility related tax depreciation in excess of book depreciation and cost basis differences between book plant and tax plant at federal and state tax rates. |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Subtotal - p275 | (1,451,990,984) | (1,104,780,847) | $(286,260,355)$ | 0 | (60,949,782) |  |
| Less FASB 109 Above if not separately removed | (186,773,317) | $(186,773,317)$ |  |  |  |  |
| Less FASB 106 Above if not separately removed | 0 |  |  |  |  |  |
| Total | (1,265,217,667) | (918,007,530) | $(286,260,355)$ | 0 | (60,949,782) |  |

Instructions for Account 282:

1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
2. ADT items related only to Transmission are directly assigned to Colunn D
3. ADTT items relaeted to Plant and not in Columns C \& D are included in Column E
4. ADIT items related to labor and not in Column C \& D are included in Column F
5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not
included in the formula, the associated ADIT amount shall be excluded.

PPL Electric Utilities Corporation

| ADIT-283 | $\begin{gathered} \text { B } \\ \text { Total } \end{gathered}$ | $\begin{gathered} \text { C } \\ \text { Gas, Prod, } \\ \text { Dist Or Other } \\ \text { Related } \\ \hline \end{gathered}$ | Transmission Related | Plant Related | Labor Related | G <br> Justification |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Account 283 |  |  |  |  |  |  |
| Reacquired debt costs | (20,499,305) |  |  | (20,499,305) |  | Plant related expense deferred for book purposes and deducted for tax purposes. |
| FAS 109 regulatory assets/liabilities | $(132,461,848)$ | (132,461,848) |  |  |  | Asset recorded for regulatory purposes related to book and tax basis plant and non-plant differences. |
| Pension and post-retirement | (70,904,118) | (70,904,118) |  |  |  | Expense and equity(FAS158) adjustments for book purposes not deductible for tax purposes. |
| FAS158 Regulatory Asset | (154,465,715) | (154,465,715) |  |  |  | Asset recorded for regulatory purposes for FAS 158 pension and post-retirement costs. |
| Storms Deferrals | $(19,005,346)$ | $(19,005,346)$ |  |  |  | Distribution related expense deferred for book purposes and deducted for tax purposes. |
| RAR Adjustments | (291,176) | (291,176) |  |  |  | Distribution related IRS audit adjustments. |
| Clearing accounts | $(623,801)$ |  |  |  | (623,801) | Expense deferred for book purposes and deducted for tax purposes. |
| Receivables Factoring | $(7,805,564)$ | $(7,805,564)$ |  |  |  | Retail related income recorded for book purposes not includable in taxable income. |
| Prepaid Insurance | $(1,464,034)$ | $(1,464,034)$ |  |  |  | Distribution related expense deferred for book purposes and deducted for tax purposes. |
| Universal Service Rider over/undercollection | $(1,467,264)$ | $(1,467,264)$ |  |  |  | Distribution related expense deferred for book purposes and deducted for tax purposes. |
| Transmission Service Charge over/undercollections | $(2,546,629)$ | $(2,546,629)$ |  |  |  | Retail related book expense not deductible for tax return purposes. |
| Unrealized gains/losses | $(22,320)$ | $(22,320)$ |  |  |  | Equity adjustment for book purposes not includable in taxable income. |
| Deferred intercompany gain - trademark sale | $(220,396)$ | $(220,396)$ |  |  |  | Income recorded for book purposes not includable in taxable income. |
| Smart Meter Technology Regulatory Asset | $(1,030,404)$ | $(1,030,404)$ |  |  |  | Distribution related expense deferred for book purposes and deducted for tax purposes. |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Subtotal - p277 | (412,807,920) | (391,684,814) | 0 | (20,499,305) | (623,801) |  |
| Less FASB 109 Above if not separately removed | (132,461,848) | (132,461,848) |  |  |  |  |
| Less FASB 106 Above if not separately removed | 0 | 0 |  |  |  |  |
| Total | (280,346,072) | (259,222,966) | 0 | (20,499,305) | (623,801) |  |

[^1]
## PPL Electric Utilities Corporation

## Attachment 2-Taxes Other Than Income Worksheet

| Other Taxes |  | $\begin{aligned} & \text { Page } 263 \\ & \text { Col (i) } \end{aligned}$ | Allocator | Allocated Amount |
| :---: | :---: | :---: | :---: | :---: |
|  | Plant Related | Net Plant Allocator |  |  |
|  | Real Property (State, Municipal or Local) | 2,952,723 |  |  |
| 2 | PURTA | 2,130,148 |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 | Total Plant Related | 5,082,871 | 43.8161\% | 2,227,116 |
|  | Labor Related | Wages \& Salary Allocator |  |  |
| 9 | Federal FICA | 6,614,493 |  |  |
| 10 | Federal Unemployment | 41,875 |  |  |
| 11 | State Unemployment | 339,765 |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 | Total Labor Related | 6,996,133 | 9.7892\% | 684,868 |
|  | Other Included | Net Plant Allocator |  |  |
| 15 | PA Capital Stock Tax | 507,870 |  |  |
| 16 |  |  |  |  |
| 17 |  |  |  |  |
| 18 |  |  |  |  |
| 19 | Total Other Included | 507,870 | 43.8161\% | 222,529 |
| 20 | Total Included (Lines $8+14+19)$ | 12,586,874 |  | 3,134,513 |
| Currently Excluded |  |  |  |  |
| 21 | Gross Receipts | $101,943,873$ |  |  |
| 22 | Sales and Use | $(28,591)$ |  |  |
| 23 |  |  |  |  |
| 24 |  |  |  |  |
| 25 |  |  |  |  |
| 26 |  |  |  |  |
| 27 |  |  |  |  |
| 28 | Subtotal, Excluded | 101,915,282 |  |  |
| 29 | Total, Included and Excluded (Line 20 + Line 28) | 114,502,156 |  |  |
| 30 | Total Other Taxes from p114.14.c less Tax on Securitization Bonds | 114,502,156 |  |  |

[^2]
## Criteria for Allocation:

A Other taxes that are incurred through ownership of plant, including transmission plant, will be allocated based on the Net Plant Allocator. If the taxes are $100 \%$ recovered at retail, they shall not be included.
B Other taxes that are incurred through ownership of only general or intangible plant will be allocated based on the Wages and Salary Allocator. If the taxes are $100 \%$ recovered at retail, they shall not be included.
C Other taxes that are assessed based on labor will be allocated based on the Wages and Salary Allocator.
D Other taxes, except as provided for in A, B and C above, which are incurred and (1) are not fully recovered at retail or (2) are directly or indirectly related to transmission service, will be allocated based on the Net Plant Allocator; provided, however, that overheads shall be treated, as described in footnote $B$ above.
E Excludes prior period adjustments in the first year of the formula's operation and reconciliation for the first year.

## PPL Electric Utilities Corporation

## Attachment 3 - Revenue Credit Worksheet

Account 454 - Rent from Electric Property
1 Rent from Electric Property - Transmission Related ..... 1,991,770
Account 456 - Other Electric Revenues (Note 1)
2 Transmission for Others (Note 3)
3 Schedule 12 Revenues (Note 3) ..... 70,646,865
4 Schedule 1A ..... 2,720,496
5 Net revenues associated with Network Integration Transmission Service (NITS) for which theload is not included in the divisor (Note 3)
6 Point-to-Point Service revenues for which the load is not included in the divisor received by ..... 3,654,297
Transmission Owner (e.g. Schedule 8)
7 Professional Services provided to others ..... 1,384,911
8 Facilities Charges including Interconnection Agreements (Note 2) ..... 646,644
(Sum Lines 1-10)
10 Amount offset from Note 3 below
11 Note 1: All revenues related to transmission that are received as a transmission owner (i.e.,not received as a LSE), for which the cost of the service is recovered under this formula,except as specifically provided for elsewhere in this Attachment or elsewhere in the formula,will be included as a revenue credit or included in the peak on line 150 of Appendix A.
12 Note 2: If the costs associated with the Directly Assigned Transmission Facility Charges are included in the Rates, the associated revenues are included in the Rates. If the costs associated with the Directly Assigned Transmission Facility Charges are not included in the Rates, the associated revenues are not included in the Rates.
13 Note 3: If the facilities associated with the revenues are not included in the formula, the revenue is shown here, but not included in the total above and explained in the Cost Support, e.g., revenues associated with distribution facilities. In addition, Revenues from Schedule 12 are not included in the total above to the extent they are credited directly by PJM to zonal customers.81,044,983

## Attachment 4 - Calculation of 100 Basis Point Increase in ROE

| Return and Taxes with 100 Basis Point increase in ROE |  |  | Line 29 + Line 39 from below | 320,916,025 |
| :---: | :---: | :---: | :---: | :---: |
| A | 100 Basis Point increase in ROE and Income Taxes |  |  |  |
| B | 100 Basis Point increase in ROE |  |  | 1.00\% |
| Return Calculation |  |  |  |  |
|  |  |  | Appendix A Line or Source R |  |
| 1 | Rate Base |  | (Attachment A Line 46) | 2,381,457,700 |
| Long Term Interest |  |  |  |  |
| 2 | Long Term Interest |  | (Attachment A Line 80) | 123,860,728 |
| 3 | Less LTD Interest on Securitization Bonds |  | Attachment 8 | - |
| 4 | Long Term Interest |  | (Line 2 - Line 3) | 123,860,728 |
| 5 | Preferred Dividends | enter positive | p118.29.c | 0 |
| Common Stock |  |  |  |  |
| 6 | Proprietary Capital |  | p112.16.c | 2,715,813,040 |
| 7 | Less Accumulated Other Comprehensive Income Account 219 |  | p112.15.c | 31,470 |
| 8 | Less Preferred Stock |  | (Attachment A Line 86) | 0 |
| 9 | Less Account 216.1 |  | p112.12.c | 10,261,435 |
| 10 | Common Stock |  | (Line 6-7-8-9) | 2,705,520,135 |
| Capitalization |  |  |  |  |
| 11 | Long Term Debt |  | p112.18.c, 19.c \& 21.c | 2,613,750,000 |
| 12 | Less Loss on Reacquired Debt |  | p111.81.c | 49,403,653 |
| 13 | Plus Gain on Reacquired Debt |  | p113.61.c | 0 |
| 14 | Less LTD on Securitization Bonds |  | Attachment 8 | 0 |
| 15 | Total Long Term Debt |  | (Line 11-12+13-14) | 2,564,346,347 |
| 16 | Preferred Stock |  | p112.3.c | 0 |
| 17 | Common Stock |  | (Line 10) | 2,705,520,135 |
| 18 | Total Capitalization |  | (Sum Lines 15 to 17) | 5,269,866,482 |
| 19 | Debt \% | Total Long Term Debt | (Line 15 / Line 18) | 48.7\% |
| 20 | Preferred \% | Preferred Stock | (Line 16 / Line 18) | 0.0\% |
| 21 | Common \% | Common Stock | (Line 17 / Line 18) | 51.3\% |
| 22 | Debt Cost | Total Long Term Debt | (Line 4 / Line 15) | 0.0483 |
| 23 | Preferred Cost | Preferred Stock | (Line 5 / Line 16) | 0.0000 |
| 24 | Common Cost | Common Stock | Fixed | 0.1268 |
| 25 | Weighted Cost of Debt | Total Long Term Debt (WCLTD) | (Line 19 * Line 22) | 0.0235 |
| 26 | Weighted Cost of Preferred | Preferred Stock | (Line 20 * Line 23) | 0.0000 |
| 27 | Weighted Cost of Common | Common Stock | (Line 21 * Line 24) | 0.0651 |
| 28 | Rate of Return on Rate Base ( ROR ) |  | (Sum Lines 25 to 27) | 0.0886 |
| 29 | Investment Return = Rate Base * Rate of Return |  | (Line 1* Line 28) | 211,001,902 |
| Composite Income Taxes |  |  |  |  |
| Income Tax Rates |  |  |  |  |
| 30 | FIT=Federal Income Tax Rate |  |  | 35.00\% |
| 31 | SIT=State Income Tax Rate or Composite |  |  | 9.99\% |
| 32 | $\mathrm{p}=$ percent of federal income tax deductible for state purposes |  | Per State Tax Code | 0.00\% |
| 33 | $T \mathrm{~T}=1-\{[(1-\mathrm{SIT})$ * (1-FIT) | )] / (1-SIT * FIT * p $)$ \} |  | 41.49\% |
| 34 | $\mathrm{CIT}=\mathrm{T} /(1-\mathrm{T})$ |  |  | 70.92\% |
| 35 | $1 /(1-\mathrm{T})$ |  |  | 170.92\% |
| ITC Adjustment |  |  |  |  |
| 36 | Amortized Investment Tax Credit |  | Attachment 5 | $(20,102)$ |
| 37 | ITC Adjust. Allocated to Trans. - Grossed Up |  | (Line 36 * (1/ (1-Line 33) | -34,359 |
| 38 | Income Tax Component = $\quad \mathrm{CIT}=(\mathrm{T} / 1-\mathrm{T}) *$ Investme | Return * (1-(WCLTD/R)) $=$ |  | 109,948,481 |
| 39 | Total Income Taxes |  |  | 109,914,123 |

## Attachment 5 - Cost Support





| Appendix A Line \#s, Descriptions, Notes, Form No. 1 Page \#s and Instructions |  |  |  | Form No. 1 Amount | Safety Related | on-safety <br> Related |  |  | Details |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Directly Assigned A\&G |  |  |  |  |  |  |  |  |  |  |
| Multistate Workpaper |  |  |  |  |  |  |  |  |  |  |
| Appendix A Line \#s, Descriptions, Notes, Form No. 1 Page \#s and Instructions |  |  |  | State 1 | State 2 | State 3 | State 4 | State 5 |  | Details |
| Income Tax Rates |  |  |  | $\begin{gathered} \text { PA } \\ 9.99 \% \end{gathered}$ |  |  |  |  |  |  |


| Appendix A Line \#s, Descriptions, Notes, Form No. 1 Page \#s and Instructions |  |  |  | Form No. 1 Amount | Education \& Outreach | Other | Details |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 63 | Directly Assigned A\&G General Advertising Exp Account 930.1 | (Note K) | p323.191.b |  |  |  |  |

## Attachment 5 - Cost Support




| Appendix A Line \#s, Descriptions, Notes, Form 1 Page \#s and Instructions | Amount | Description \& PJM Documentation |
| :---: | :---: | :---: |
| Net Revenue Requirement Facilit Credits under Section 30 of th PJM OATT |  |  |



## PPL Electric Utilities Corporation

## Attachment 6-Estimate and Reconciliation Worksheet

Step Monh Year Acion




Apil Year3 To populates the formula with Year 2 data tom $E$ ERC Form No. 1 tor Year 2 (e.g. 2008)




Apil Year 2 To populaes sh te tomula with Year Idal tom $\operatorname{FERC}$ Form No. 1 data for Year 1 (e.g. 2007 )



\begin{tabular}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
\hline \& (A) Monthly Additions
Other Plant In Service \& \begin{tabular}{l}
(B) \\
Monthly Additions Northeast Pocono Reliability Project CWIP 53,795,802
\end{tabular} \& (C) Monthly Additions Susq-Rose CWIP < 500 kV (b0487.1) \& \begin{tabular}{c} 
(D) \\
Monthy Additions \\
\hline
\end{tabular} Susa-Rose PIS <50kv (b0087.1) \&  \&  \& \({ }_{\text {Weightring }}{ }^{\text {(6) }}\) \& \[
\begin{gathered}
(\mathrm{H}) \\
\text { Other Plant In Service } \\
\text { Amount }(\mathrm{A} \times \mathrm{G})
\end{gathered}
\] \& \[
\underset{\substack{(1) \\ \text { Ampunc } \\ \text { Ampur }(B \times G)}}{ }
\] \& \begin{tabular}{l}
(J) \\
(J) Amount (C xG) <500kV (b0487.1)
\end{tabular} \&  \& \begin{tabular}{l}
\({ }^{(L)}\) \\
Susq-Rose CWIP Amount (EXG) \(>=500 \mathrm{kV}\) (b0487)
\end{tabular} \&  \& \[
\underset{\substack{(N) \\ \text { Oner Prantur Serice } \\(H 12)}}{(12)}
\] \\
\hline CWP Balance De (prior yri) \& \& 57,795,802 \& 2,468,121 \& \& 377,672,955 \& \& 12 \& \& 644,54, 24 \& 29,617,454 \& \& 3.812,075,463 \& \& \\
\hline Jan \& 11,989,158 \& 4,291,137 \& 107,97 \& \& 30,37,794 \& 292,205 \& 11.5 \& 137,85,316 \& 49,388,076 \& 1,240,931 \& \& 348,654,631 \& 3,36, 353.94 \& \({ }^{11,489,9610}\) \\
\hline \({ }_{\text {Feb }}\) \& 7.783,508
3,372989 \& \({ }^{1.955 .056}\) \& \({ }^{1664,141}\) \& \& 24,551.064
23559793 \& 317.599
13880 \& \({ }^{10.5}\) \& \(78.104,333\)
32074559 \& \begin{tabular}{l}
20.528 .088 \\
\hline 1557323 \\
\hline
\end{tabular} \&  \& \& \({ }_{\text {a }}^{260.936,172}\) \& \({ }^{3,3447939}\) \&  \\
\hline \({ }_{\text {Mar }}^{\text {Mar }}\) \& 33,762887 \& 4,7994,455 \& 228,200

25440 \& \& ${ }^{23,758,793}$ \& ${ }^{1388,80}$ \& 9.5
8.5 \& $320.747,526$
100936.59 \& 4.5.57, 323
55171029 \& 2.1.86,280
2.128217 \& \& 225,708.534

14720565 \& | 1.318979 |
| :--- |
| 2475310 | \& $26,729,960$

$8,41.960$ <br>
\hline ${ }_{\text {May }}^{\text {mpr }}$ \& - $11.88,7,708$ \&  \& ${ }^{2344,499}($ \& ${ }_{56,329}$ \& $17,317,183$
$15,91.380$ \&  \& ${ }_{7.5}^{8.5}$ \& ${ }_{255,688,614}$ \&  \& ${ }_{(2,477,468)}$ \& 3,977,688 \& ${ }_{116,188,725}$ \& ${ }_{\text {4, }}^{124,759,3,213}$ \& ${ }_{\substack{\text { 8,411,960 } \\ 21,30,355}}$ <br>
\hline Jun \& 20,675,379 \& 22,736,919 \& (125,499) \& 480,187 \& 12,019,037 \& 3.209,10 \& 6.5 \& 134,389,965 \& 147,789,974 \& (815,884) \& 3,121,216 \& 78,12,741 \& 20,859,40 \& 111,199,164 <br>
\hline Јu \& 22,021,878 \& 9,20,735 \& 461,158 \& \& 10,140,413 \& ${ }^{75,837}$ \& 5.5 \& 121,12, 328 \& 51,09,043 \& 2,536,399 \& \& 55,72,272 \& 4,173,604 \& 10,093,361 <br>
\hline Aug \& 10,588,936 \& 9,917,474 \& $5_{50,000}$ \& \& 9,35,219 \& 75.216 \& 4.5 \& 47, 725.214 \& 44,688,633 \& 2,475,000 \& \& $42,278,486$ \& 338,472 \& 3,952,101 <br>
\hline Sep \& 13,51, 522 \& 5.986,623 \& 700,000 \& \& (134,203,424) \& 148,511,52 \& ${ }^{3.5}$ \& 48,830,326 \& 20,953,181 \& 2,450,000 \& \& (669,711,984) \& 519,791,132 \& 4,069,194 <br>
\hline ort \& 47,63,686 \& -21,096,888 \& $8^{850,00}$ \& \& 11,076,427 \& 75.216 \& 2.5 \& 119,084,215 \& (52,722,20) \& 2,125,000 \& \& 27,991,068 \& 188,40 \& 9,923,685 <br>
\hline Nov \& 46,300,454 \& 4,45,327 \& 77,908 \& \& 9,203,433 \& 75.216 \& 1.5 \& 69,45,681 \& 6,680,991 \& 1,156,362 \& \& 13,85, ,150 \& ${ }_{1212824}$ \& 5,78,557 <br>
\hline Dec \& 33,233,288 \& 4,250,029 \& ${ }^{(2,537,335)}$ \& 2,743,613 \& 8,559,992 \& 75,216 \& 0.5 \& 16,616,614 \& 2.125,015 \& (1,268,688) \& 1,371,007 \& 4,279,946 \& 37,008 \& 1,384,718 <br>
\hline \multicolumn{15}{|l|}{${ }_{\text {New }}$} <br>
\hline \& \& \& \& \& \& \& \& \& \& \& \& nput to Line 17 of Appe put to Line 35 of Appe onth In Service or Mon \& Iix $A$ for CWIP \& 220,86 <br>
\hline
\end{tabular}


Nstun Apenenix to goethis sumber (with inouts on ines 17 and 350 f Atachmen

strun Appendix A togethtis sumber (wiwh in puts on lines 17 and 350 of Atacament $A$ )


Wistun Appendix At ogettis sumber (witiout inputs in in iese 16,17 or 35 of Appendix $A$ )

7 Apil


## (adisised to io iclude any Reconciliaion amunntrom pioir year)




|  | The Reconciliation in Step 8 |  | The forecast in Prior Year 304,139,489 | (52, 104,506) |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Interston A mountof feetundo or Surchages |  |  |  |  |  |  |  |
|  | Ineestraie pussuanto 35.19 A tor Macch of the Current $Y_{r}$ |  | 0.280\% | $\begin{aligned} & \text { Interest rate for } \\ & \text { March of the Current } \mathrm{Yr} \end{aligned}$ |  |  |  | Note \#1: For the initial rate year, enter zero for the first five months, June Year 1 through October Year 1 Enter $1 / 12$ of Step 8 |
|  | Mont | $\mathrm{Yr}^{\text {r }}$ | 1112 of Step 8 |  | Monts | Inerest Suchlage (Retund) Oved |  |  |
| Jun |  |  | (See Noie ff1) $(4,342$ 2042) |  |  | (139884) | (4488.566) |  |
|  | ju | Year 1 | (4,342, 042) | 0.280\% | 10.5 | (127,65) | (4,469,908) | torthe monts Sov Year 1 trough May Year 2 . |
|  | Aug | Year1 | (4,342, 042) | 0.280\% | 9.5 | (115,48) | (4,457,540) |  |
|  | Sep | Year 1 | (4,342,042) | 0.280\% | 8.5 | (103,341) | (4,45, 383) |  |
|  | oct | year1 | (4,3420.042) | 0.280\% | 7.5 | (991,183) | (4,433,25) |  |
|  | Nov | year 1 | (4,342, 042) | 0.280\% | 6.5 | (79,025) | (4,421,067) |  |
|  | Dec | Year1 | (4,342,042) | 0.280\% | 5.5 | (66.867) | (4,008,90) |  |
|  | Jan | Year 2 | (4,342, 242) | 0.280\% | 4.5 | (54,710) | (4,386,52) |  |
|  | Feb | Year 2 | (4,342, 242) | 0.880\% | ${ }^{3.5}$ | (42,552) | (4,384,594) |  |
|  | mar | Year 2 | ${ }^{(4,342,042)}$ | ${ }^{0.2800 \%}$ | 2.5 | (30,394) | (4,372.436) |  |
|  | Apr | Year 2 | (4,342,042) | 0.280\% | 1.5 | (18,23) | (4,360,279) |  |
|  | $\underset{\substack{\text { May } \\ \text { Toald }}}{ }$ | Year 2 |  | 0.280\% | 0.5 | (6,079) | (4,348,121) |  |
|  |  |  | Baance | Interestraie tom above Amotizaion verer Raie Year |  | Baance |  |  |
|  | Jun | Year 2 | (52,979,822) | 0.880\% | (4,495,53) | (48,632,452) |  |  |
|  | зu | Year 2 | (48,632,452) | 0.880\% | (4,495,753) | (44,272,870) |  |  |
|  | Aug Sen den | Year 2 | (4, 4 (4,27.870) | -0.280\% | ${ }_{(0,4,495753)}^{(4,53)}$ |  |  |  |
|  | ${ }_{\text {oft }}^{\text {sep }}$ | Year 2 | ${ }^{\text {che }}$ | ${ }^{0.2800 \% \%}$ | ${ }_{(4,45,53)}^{(4,59575)}$ | (31,12,745) |  |  |
|  | Nov | Year2 | (33,120,745) | 0.280\% | (4,495,53) | (26,721,130) |  |  |
|  | Dec | Year 2 | ${ }^{(26,721.130)}$ | -0.280\% | ${ }_{(4,495,753)}^{(40553)}$ | (22,291,171) |  |  |
|  | Jan | Year 3 | ${ }^{(22,29,1.171)}$ | ${ }^{0.2800 \%}$ | ${ }^{(4,495,753)}$ | (17,857,783) |  |  |
|  | ${ }_{\text {ceb }}^{\text {reb }}$ | Year ${ }^{\text {r }}$ |  |  | ${ }_{(4,4955753)}^{(4,593)}$ |  |  |  |
|  | Apr | Year 3 |  | (e.2800\% | ${ }_{(4,495953)}^{(4,95,753)}$ |  |  |  |
|  | may | Year 3 | (4,483,200) | 0.280\% | (4,495,753) |  |  |  |
|  | Toal with interest |  |  |  | (55,94,0,038) |  |  |  |
|  |  |  |  |  | (53,949,038) |  |  |  |
|  | Rev Req based on Year 2 data with estimated Cap Adds and CWIP for Year 3 (Step 9) Revenue Requirement for Year 3 |  |  |  | (53,94, 0, 38$)$ |  |  |  |

Exhibit 1
Page 15 of 22

9 Apill Year3 To estinates Cap Adss and cWIP during Year 3 weighted based on Nonths expected to be in senice in Year 3 (eg., 2009)


[^3]|  | (P) | (0) | (1) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Susq-Rose CWIP | Susq-Rose PIS | Susf:Rose CWIP | Susafrose If | Toal |
|  | (J)12) | (K12) | (L121) | (M12) |  |
|  | <500k (b0487.1) | <500k (00487.1) | $\lambda=500 \times($ (00487) |  |  |
| 53,79,902 | $2.468,121$ |  | 317,672,955 |  |  |
| 4,112,340 | 103,411 |  | 29,04,553 | 280,029 |  |
| 1,710,674 | ${ }^{143,623}$ |  | ${ }^{21,744,681}$ | 27,899 |  |
| 3,95,610 | 180,690 |  | 18,809,044 | 109,915 |  |
| 4,592,516 | 180,235 |  | 12,26,3,38 | 10,39,9,43 |  |
| 6,77,083 | (203,956) | 328,956 | 9,682,394 | 402,434 |  |
| 12,35,831 | (67,957) | 260,01 | 6,510,312 | 1,788,284 |  |
| 4,258,254 | 211,364 |  | 4,647,689 | 347,800 |  |
| 3,719,053 | 200,250 |  | 3,523,207 | 28,206 |  |
| 1,746,098 | 200,167 |  | (39,12,665) | 315,928 |  |
| (4,395,185) | 177,083 |  | 2,307,599 | 15,670 |  |
| 56,741 | ${ }_{96,364}$ |  | 1,550,29 | 9,402 |  |
| 177,085 | (105,722) | 114,317 | 356,64 | 3,134 |  |
| 93,160,901 | 3,593,673 | 703,374 | 388,583,180 | 56,92,645 |  |
|  |  | 703,34 |  | 56,926,45 | 178,486,406 |
| 93,160,901 | ${ }^{3,593,673}$ | 9.75 | $388,583,180$ | 295 | 485,337,753 |


| (0) | (P) | (Q) | (R) | (s) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| NPR CWP | Susq-Rose CWIP | Susq-Rose PIS | Susq-Rose cwip | Susarasese If | Total |
| (1/12) |  |  | $\xrightarrow{(L 1 / 12)}$ | $\underset{\sim}{\text { (M } 1 / 12)}$ |  |
| 53,75,902 |  |  |  |  |  |
| 4,097,44 | 103411 |  | 29,54,553 | 280,29 |  |
| 1,709,248 | ${ }^{143,623}$ |  | 21,74,681 | 27,899 |  |
| 3,944,360 | 180,900 |  | 18,809,044 | 109,915 |  |
| 4,592,516 | 180,235 |  | 12,26,338 | 10,397,943 |  |
| 6,757,59 | (102,961) | ${ }^{351,954}$ | 8,25,521 | 454,764 |  |
| (17,23,8,864) | 156,917 | 260,646 | 7,763,30 | 1,03,769 |  |
| 1,329,281 | 207,51 | 45.414 | 6,068782 | 133,375 |  |
| 3,996,992 | ${ }^{637,988}$ | 8.864 | 4,901,546 | 405,412 |  |
| 3,026,219 | 293,358 | 6,924 | (40,595,009) | 4,252,333 |  |
| 1,937,84 | 166,390 | 56,75 | ${ }^{83,795}$ | ${ }^{722,469}$ |  |
| (314,742) | ${ }^{62,488}$ | 1,296 | ${ }^{892,611}$ | 205,400 |  |
| ${ }^{26,5351}$ | (150,215) | 179,730 | 2225,57 | 124,952 |  |
| 67,651,121 | 4,366,118 | ${ }^{911,484}$ | 387,80,524 | 58,399,60 |  |
|  |  | ${ }^{911,484}$ |  | 58,399,60 | 188,399,76 |
| ${ }_{6}^{67,551.121}{ }_{2,68}$ | ${ }_{4,366.118}^{0.43)}$ | 10.11 | $387,80,524$ <br> $(1,49)$ | 809 | 459,887,764 |




## PPL Electric Utilities Corporation

## Attachment 8 - Company Exhibit - Securitization Worksheet

Line \#

| Prepayments |  |  |  |
| :---: | :---: | :---: | :---: |
| 36 | Less Prepayments on Securitization Bonds | 0 | (See FM 1, note to page 110, line 57) |
| Administrative and General Expenses |  |  |  |
| 52 | Less Administrative and General Expenses on Securitization Bonds | 0 | (See FM 1, note to page 114, line 4) |
| Taxes Other Than Income |  |  |  |
| 78 | Less Taxes Other Than Income on Securitization Bonds | 0 | (See FM 1, note to page 114, line 14) |
| Long Term Interest |  |  |  |
| 81 | Less LTD Interest on Securitization Bonds | 0 | (See FM 1, note to page 114, lines $62+63$ ) |
| Capitalization |  |  |  |
| 92 | Less LTD on Securitization Bonds | 0 | (See FM 1, note to page 112, line 18) |

Calculation of the above Securitization Adjustments
The amounts above are associated with transition bonds issued to securitize the recovery of retai stranded costs, pursuant to an Order entered by the Pennsylvania Public Utility Commission on May 21, 1999 at Docket No. R-00994637, in accordance with Pennsylvania's Electric Generation Customer Choice and Competition Act.

| Number | Plant Type | $\begin{gathered} \text { Estimated } \\ \text { Life } \end{gathered}$ | Mortality Curve | $\begin{gathered} \text { Current } \\ \text { Age } \end{gathered}$ | Remaining Life <br> Life | Applied Depreciation Rate | Gross Depreciable Plant <br> \$ | Accumulated Depreciation \$ | Depreciable Balance \$ | Depreciation Expense \$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Transmission |  |  |  |  |  |  |  |  |  |  |
| 350.4 | Land Rights | 75 | S4 | 14.8 | 60.20 | 1.5848 | 161,558,411 | 41,797,728 | 119,760,683 | 1,898,007 |
| 352 | Structures and Improvements | 60 | R4 | 15.1 | 44.90 | 2.0911 | 49,560,625 | 17,667,914 | 31,892,711 | 666,907 |
| 353 | Station Equipment | 48 | R1 | 8.0 | 40.00 | 2.2896 | 783,543,578 | 182,704,232 | 600,839,346 | 13,756,985 |
| 354 | Towers and Fixtures | 70 | R3 | 9.1 | 60.90 | 1.3810 | 724,202,117 | 143,690,938 | 580,511,179 | 8,016,775 |
| 354.2 | Towers and Fixtures - Clearing Land and Rights of Way | 75 | R4 | 26.2 | 48.80 | 3.7374 | 12,581,592 | 7,118,922 | 5,462,670 | 204,163 |
| 355 | Poles and Fixtures | 55 | R0.5 | 11.2 | 43.80 | 2.1679 | 119,727,108 | 41,125,520 | 78,601,588 | 1,704,034 |
| 355.2 | Poles and Fixtures - Clearing Land and Rights of Way | 75 | R4 | 17.6 | 57.40 | 1.5772 | 10,399,529 | 4,073,108 | 6,326,421 | 99,781 |
| 356 | Overhead Conductors and Devices | 60 | R3 | 12.4 | 47.60 | 1.8378 | 409,755,496 | 115,859,214 | 293,896,282 | 5,401,238 |
| 357 | Underground Conduit | 55 | S4 | 4.7 | 50.30 | 1.5110 | 31,400,118 | 2,873,934 | 28,526,184 | 431,036 |
| 358 | Underground Conductors and Devices | 35 | S4 | 11.4 | 23.60 | 4.0106 | 30,224,004 | 9,342,067 | 20,881,937 | 837,499 |
| 359 | Roads and Trails | 75 | R4 | 19.8 | 55.20 | 2.0279 | 9,666,586 | 3,090,617 | 6,575,969 | 133,351 |
| General |  |  |  |  |  |  |  |  |  |  |
| 389.4 | Land Rights | 70 | R4 | 42.0 | 28.00 | 3.1763 | 4,399 | 1,683 | 2,716 | 86 |
| 390.2 | Structures and Improvements - Buildings | 55 | so | 38.6 | 16.40 | 2.8105 | 376,300,728 | 83,034,346 | 293,266,382 | 8,242,172 |
| 390.21 | Structures and Improvements - Leaseholds | 10 | NA |  | 4.50 | - | 741,658 | 450,415 | 291,243 |  |
| 390.4 | Structures and Improvements - Air Conditioning | 30 | S1 | 8.2 | 21.80 | 4.6212 | 42,677,456 | 13,526,474 | 29,150,982 | 1,347,129 |
| 391.2 | Office Furniture and Equipment - Furniture | 20 | NA |  | 11.40 | 5.0738 | 22,511,853 | 8,731,355 | 13,780,498 | 1,142,209 |
| 391.4 | Office Furniture and Equipment - Equipment | 15 | NA |  | 8.60 | 6.6302 | 2,888,810 | 1,103,286 | 1,785,524 | 191,534 |
| 391.6 | Office Furniture and Equipment - Computers | 5 | NA |  | 3.00 | 12.7518 | 9,122,016 | 1,768,085 | 7,353,931 | 1,163,220 |
| 391.8 | Office Furniture and Equipment - Power Mgmt. Sys. | 7 | NA |  | - | 14.2800 | 38,155,394 | 38,155,394 | 0 |  |
| 392.1 | Transportation Equipment - Automobiles | 5 | L4 | 2.4 | 2.60 | 49.9173 | 7,154,026 | 4,947,590 | 2,206,436 | 1,101,393 |
| 392.2 | Transportation Equipment - Light Duty Trucks | 8 | R1 | 2.5 | 5.50 | 34.3034 | 19,721,789 | 13,820,652 | 5,901,137 | 2,024,293 |
| 392.3 | Transportation Equipment - Heavy Duty Trucks | 11 | R4 | 5.1 | 5.90 | 8.1304 | 74,388,587 | 42,852,850 | 31,535,737 | 2,563,989 |
| 392.4 | Transportation Equipment - Trailers | 24 | L1.5 | 5.4 | 18.60 | 5.6488 | 7,365,737 | 2,687,255 | 4,678,482 | 264,280 |
| 392.5 | Transportation Equipment - Large Tankers/Tractors | 16 | L4 | 6.3 | 9.70 | 12.7985 | 3,585,083 | 1,631,834 | 1,953,249 | 249,986 |
| 392.6 | Transportation Equipment - Large Crane Trucks | 13 | L3 | 8.2 | 4.80 | 19.3957 | 653,799 | 244,989 | 408,810 | 79,291 |
| 393 | Stores Equipment | 25 | NA |  | 9.70 | 4.7658 | 2,294,977 | 1,112,774 | 1,182,203 | 109,374 |
| 394 | Tools and Work Equipment - L\&S Line Crews | 20 | NA |  | 9.40 | 5.6461 | 4,762,273 | 2,142,747 | 2,619,526 | 268,882 |
| 394.2 | Tools and Work Equipment - Tools | 20 | NA |  | 6.00 | 7.2110 | 285,256 | 149,508 | 135,748 | 20,570 |
| 394.4 | Tools and Work Equipment - Construction Dept. | 20 | NA |  | 10.00 | 5.0149 | 1,353,414 | 572,392 | 781,022 | 67,872 |
| 394.6 | Tools and Work Equipment - Other | 20 | NA |  | 12.70 | 4.8468 | 24,985,300 | 7,897,877 | 17,087,423 | 1,211,000 |
| 394.8 | Tools and Work Equipment - Garage Equipment | 20 | NA |  | 12.00 | 8.9310 | 1,993,101 | 603,920 | 1,389,181 | 178,004 |
| 395 | Laboratory Equipment | 20 | NA |  | 12.70 | 4.9135 | 4,717,745 | 1,682,766 | 3,034,979 | 231,806 |
| 396 | Power Operated Equipment | 13 | so | 3.9 | 9.10 | 6.2967 | 2,238,835 | 1,296,454 | 942,381 | 140,973 |
| 397 | Communication Equipment | 15 | NA |  | 12.30 | 6.2438 | 7,106,551 | 4,580,590 | 2,525,961 | 443,719 |
| 398 | Miscellaneous Equipment | 20 | NA |  | 12.30 | 5.7881 | 2,774,711 | 713,811 | 2,060,900 | 160,602 |
| Intangible |  |  |  |  |  |  |  |  |  |  |
| 303.2 | Miscellaneous Intangible Plant - Software | 5 | NA |  | 2.70 | 20.00 | 101,544,998 | 53,705,856 | 47,839,142 | 19,380,608 |
| 303.4 | Miscellaneous Intangible Plant - Fiber Optic | 15 | NA |  | - |  | 1,035,137 | 1,035,137 |  |  |
| 303.5 | Smart Meter Software | 5 | NA |  | - |  | 4,038,092 | 1,142,865 | 2,895,227 | 760,238 |
| Notes: |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 1 Columns (A), (B), (C), and (D) are fixed and cannot be changed absent Commission approval or acceeptance.2 Column (E) is based on the Estimated Life in Column (C) less the Remaining Life in Column (F) for those accounts for which using a Mortality Curve is identified. |  |  |  |  |  |  |  |  |  |  |
| 3 Column (E) is based on the Estimated Life in Column (C) less the Remaining Life in Column (F) for those accounts for which using a Mortaity Curve is identified. |  |  |  |  |  |  |  |  |  |  |
| 4 Column (G) is the depreciation rate from the Mortality Curve specified based on data in Columns (C) and (D). |  |  |  |  |  |  |  |  |  |  |
| 5 Columns (H) and (I) are the depreciable gross plant investment and accumulated depreciation in the account or subaccount. |  |  |  |  |  |  |  |  |  |  |
| 6 Column ( J ) is the depreciable net plant in the account or subaccount. |  |  |  |  |  |  |  |  |  |  |
| 7 Column (K) is Column (G) multiplied by Column (J) for those accounts that have an identified Mortality Curve. |  |  |  |  |  |  |  |  |  |  |
| 8 Each year, PPL Electric will provide a copy of the annual report submitted to the PA PUC that shows the calculation of the depreciation rates and expenses derived from Columns (C) and (D). |  |  |  |  |  |  |  |  |  |  |
| 9 Every 5 years, PPL Electric will file with the Commission a depreciation study supporting its existing Estimated Life and Mortality Curve for each account or subaccount. |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 10 Column (K) for Accounts Nos. 303.2 , 303.4 and 303.5 are calculated using individual asset depreciation and, therefore, are not derived values.11 Column (K) for Account No. 392.3 is net of capitalized depreciation expense. See the applicable note in FERC Form No. 1 . |  |  |  |  |  |  |  |  |  |  |
|  | For those General Plant accounts that do not have Mortalit | "NA" in Colu | n (D), add | onal de | is provided | Atachment 9 - Sup | lemental General P | nt Depreciation |  |  |

## Attachment 9 - Supplemental <br> General Plant Depreciation Details

| (A) Number | (B) Plant Type | (C) <br> Estimated Life | (G) <br> Applied Depreciation Rate | (H) <br> Gross Depreciable <br> Plant <br> $\$$ |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| General |  |  |  |  |  |  |  |
| 390.21 | Structures and Improvements - Leaseholds - Net Method | 10 | - | 741,658 | 450,415 | 291,243 | 0 |
| 391.2 | Office Furniture and Equipment - Furniture - Gross Method | 20 | 4.8627 | 19,616,131 | 6,378,913 | 13,237,218 | 953,868 |
| 391.2 | Office Furniture and Equipment - Furniture - Net Method | 20 | 34.6674 | 2,895,722 | 2,352,442 | 543,280 | 188,341 |
|  |  |  |  | 22,511,853 | 8,731,355 | 13,780,498 | 1,142,209 |
| 391.4 | Office Furniture and Equipment - Equipment - Gross Method | 15 | 6.6290 | 2,883,895 | 1,100,307 | 1,783,588 | 191,174 |
| 391.4 | Office Furniture and Equipment - Equipment - Net Method | 15 | 18.5798 | 4,915 | 2,979 | 1,936 | 360 |
|  |  |  |  | 2,888,810 | 1,103,286 | 1,785,524 | 191,534 |
| 391.6 | Office Furniture and Equipment - Computers - Gross Method | 5 | 12.7518 | 9,122,016 | 1,768,085 | 7,353,931 | 1,163,220 |
| 391.8 | Office Furniture and Equipment - Power Mgmt. Sys. - Gross Method | 7 | 14.2800 | 38,155,394 | 38,155,394 | 0 | 0 |
| 393 | Store Equipment - Gross Method | 25 | 4.2756 | 1,277,335 | 523,745 | 753,590 | 54,614 |
| 393 | Store Equipment - Net Method | 25 | 12.7761 | 1,017,642 | 589,029 | 428,613 | 54,760 |
|  |  |  |  | 2,294,977 | 1,112,774 | 1,182,203 | 109,374 |
| 394 | Tools and Work Equipment - L\&S Line Crews - Gross Method | 20 | 5.0000 | 2,371,042 | 945,920 | 1,425,122 | 118,552 |
| 394 | Tools and Work Equipment - L\&S Line Crews - Net Method | 20 | 12.5862 | 2,391,231 | 1,196,827 | 1,194,404 | 150,330 |
|  |  |  |  | 4,762,273 | 2,142,747 | 2,619,526 | 268,882 |
| 394.2 | Tools and Work Equipment - Tools - Gross Method | 20 | 5.0000 | 133,692 | 41,943 | 91,749 | 6,685 |
| 394.2 | Tools and Work Equipment - Tools - Net Method | 20 | 31.5579 | 151,564 | 107,565 | 43,999 | 13,885 |
|  |  |  |  | 285,256 | 149,508 | 135,748 | 20,570 |
| 394.4 | Tools and Work Equipment - Construction Dept. - Gross Method | 20 | 5.0000 | 1,345,463 | 567,434 | 778,029 | 67,273 |
| 394.4 | Tools and Work Equipment - Construction Dept. - Net Method | 20 | 20.0000 | 7,951 | 4,958 | 2,993 | 599 |
|  |  |  |  | 1,353,414 | 572,392 | 781,022 | 67,872 |
| 394.6 | Tools and Work Equipment - Other - Gross Method | 20 | 4.7114 | 22,568,424 | 5,610,528 | 16,957,896 | 1,063,278 |
| 394.6 | Tools and Work Equipment - Other - Net Method | 20 | 114.0467 | 2,416,876 | 2,287,349 | 129,527 | 147,721 |
|  |  |  |  | 24,985,300 | 7,897,877 | 17,087,423 | 1,211,000 |
| 394.8 | Tools and Work Equipment - Garage Equipment - Gross Method | 20 | 4.7153 | 1,614,625 | 309,046 | 1,305,579 | 76,134 |
| 394.8 | Tools and Work Equipment - Garage Equipment - Net Method | 20 | 121.8504 | 378,476 | 294,874 | 83,602 | 101,869 |
|  |  |  |  | 1,993,101 | 603,920 | 1,389,181 | 178,004 |
| 395 | Laboratory Equipment - Gross Method | 20 | 4.8991 | 3,139,600 | 852,801 | 2,286,799 | 153,811 |
| 395 | Laboratory Equipment - Net Method | 20 | 10.4247 | 1,578,145 | 829,965 | 748,180 | 77,995 |
|  |  |  |  | 4,717,745 | 1,682,766 | 3,034,979 | 231,806 |
| 397 | Communication Equipment - Gross Method | 15 | 5.8473 | 6,425,972 | 4,047,607 | 2,378,365 | 375,749 |
| 397 | Communication Equipment - Net Method | 15 | 46.0513 | 680,579 | 532,983 | 147,596 | 67,970 |
|  |  |  |  | 7,106,551 | 4,580,590 | 2,525,961 | 443,719 |
| 398 | Miscellaneous Equipment - Gross Method | 20 | 5.0452 | 2,007,380 | 359,347 | 1,648,033 | 101,276 |
| 398 | Miscellaneous Equipment - Net Method | 20 | 14.3693 | 767,331 | 354,464 | 412,867 | 59,326 |
|  |  |  |  | 2,774,711 | 713,811 | 2,060,900 | 160,602 |
| Notes: | This schedule shows additional detail for those General Plant accounts and the Net Plant Method (i.e., Column (G) multiplied by Column (J)) is Assets purchased used are depreciated using the Net Plant Method (i. | The calcula each account e). | of Depreciation Exp bject to each such m | nse by the Gross Pla thod. Assets purcha | Method (i.e., C ed new are dep | lumn (G) multip ciated using th | ed by Column ( Gross Plant Me |


[^0]:    nstructions for Account 190:
    2. ADIT items related only to Transmission are directly assigned to Column D
    3. ADIT items related to Plant and not in Columns $C$ \& $D$ are included in Column $E$.
    4. ADIT items related to labor and not in Columns $C$ \& are included in Column $F$
    5. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not
    included in the formula, the associated ADIT amount shall be excluded.

[^1]:    instructions for Account 283

    1. ADIT items related only to Non-Electric Operations (e.g., Gas, Water, Sewer) or Production are directly assigned to Column C
    2. ADIT items related only to Transmission are directly assigned to Column D
    . ADIT items related to Plant and not in columns $\mathrm{C} \& \mathrm{D}$ are included in Column
    3. ADIT items related to labor and not in Columns $C \& D$ are included in Column $F$
    4. Deferred income taxes arise when items are included in taxable income in different periods than they are included in rates, therefore if the item giving rise to the ADIT is not
    included in the formula, the associated ADIT amount shall be excluded.
[^2]:    Difference (Line 29 - Line 30)

[^3]:    

