

Public Counsel Witness Kind's Scenario B Workpapers

Scenario B is the same as the revenue requirement analysis described in the Direct Testimony of UE witness Richard Voytas for the Metro East Transfer option and the combustion turbine generator (CTG) option except that the \$7,647,620 upwards adjustment that Mr. Voytas made to UE's annual level of SO2 emission allowance sales in his Metro East Transfer option analysis has been reversed.

Note – The adjustment that Public Counsel witness Kind made to UE witness Voytas's revenue requirement analysis in Scenario B was made to correct some very obvious deficiencies in Mr. Voytas's analysis (Scenario A). Public Counsel witness Kind believes that the assumptions upon which Scenario B is based are much more reasonable than the assumptions made in Mr. Voytas's analysis. However, Public Counsel believes there are additional unreasonable assumptions made in Mr. Voytas's analysis, such as assuming in the Metro East transfer option analysis that the costs of compliance with environmental regulations will remain unchanged for the next 25 years, and these additional unreasonable assumptions were not addressed in Scenarios B.

FILED⁴

APR 16 2004

Missouri Public
Service Commission

Exhibit No. 86
Case No(s). EO-2004-0108
Date 4-8-04 Rptr TT

AmgenUE Financial Assumptions

| | |
|-----------------------|--------|
| SHORT TERM DEBT RATIO | 0.00% |
| LONG TERM DEBT RATIO | 45.00% |
| PREFERRED STOCK RATIO | 0.00% |
| COMMON EQUITY RATIO | 55.00% |

| | |
|---------------------------------|--------|
| INTEREST RATE - SHORT TERM DEBT | 0.00% |
| INTEREST RATE - LONG TERM DEBT | 8.00% |
| PREFERRED RATE | N/A |
| RETURN ON COMMON | 12.61% |

| | |
|-------------------------|--------|
| FEDERAL INCOME TAX RATE | 35.00% |
|-------------------------|--------|

| | |
|----------------------------|---------|
| MISSOURI INCOME ALLOCATION | 100.00% |
| MISSOURI INCOME TAX RATE | 6.25% |
| FEDERAL TAX DEDUCTIBLE | 50.00% |

| | |
|----------------------------|-------|
| ILLINOIS INCOME ALLOCATION | 0.00% |
| ILLINOIS INCOME TAX RATE | 7.30% |
| FEDERAL TAX DEDUCTIBLE | 0.00% |

| | |
|-------------------|---------|
| TAX TO BOOK RATIO | 100.00% |
|-------------------|---------|

| | |
|-------------------|-------|
| PROPERTY TAX RATE | 1.80% |
|-------------------|-------|

Derived Parameters

| | |
|---------------------------|----------|
| RATE OF RETURN | 10.63% |
| DISCOUNT RATE (AFTER TAX) | 9.50213% |

Annual Fixed Charge Rate

| | | | | | | | | | | | | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| 0.206819 | 0.196707 | 0.187167 | 0.178144 | 0.169585 | 0.161444 | 0.153679 | 0.145914 | 0.13814876 | 0.130384 | 0.122619 | 0.114854 | 0.107089 | 0.099324 | 0.091559 | 0.083794 | 0.079415 | 0.075035 | 0.070656 | 0.066277 | 0.061897 | 0.057518 | 0.053138 | 0.048759 | 0.044379 |

UE/ILL Transfer Results Year 2004

| With Joint Dispatch | | | | |
|--|---------------|-------------------------|---|--------------|
| | No Transfer | With UE-ILL Transfer | Difference Transfer - No Transfer | Savings |
| Net fuel & purchase \$ including revenues from SET * | \$319,868,196 | \$263,762,959 | -\$56,105,237 | |
| SET SO2 Adjustment # | -\$4,002,450 | -\$6,056,600 | -\$2,054,150 | |
| Adjusted \$ | \$315,865,746 | \$257,706,359 | -\$58,159,387 | |
| UE Net Output - MWH | 39,251,164 | 35,135,817 | -4,115,347 | |
| Rate | \$8.05 | \$7.33 | \$0.71 | |
| Savings | | | | \$25,041,970 |
| Savings = Rate Reduction x Remaining Net Output | | | | |
| | No Transfer | With Transfer | Difference | % of Trans |
| SET From Gen to UE | 20,800 | 700 | -20,100 | |
| SET From UE to Gen | 8,025,700 | 12,113,900 | 4,088,200 | -99% |
| *SET \$ includes variable O&M only and needs adjustment for SO2 costs. SO2 costs estimated to be \$.50/mwh # SET SO2 Adjustment = (UE SET MWH - GEN SET MWH) x \$.50/MWH, where SO2 is valued at \$.50/mwh | | | | |

July 14, 2004 Modified 7/24/03
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AmerenUE
Illinois Generation Rate Base and Revenue Requirement
Adjusted Twelve Months Ending December 31, 2002
Without AmerenUE Illinois Asset Transfer

| Rate Base | Generation Total AmerenUE | Generation AmerenUE-ILL | AmerenUE-ILL Allocated to Wholesale | AmerenUE-IL Allocated to AmerenUE-MO | AmerenUE-IL Allocated to AmerenUE-MO |
|--|------------------------------|----------------------------|---|--|--|
| Production Plant | \$5,480,084,533 | \$346,251,401 | \$7,028,903 | \$339,222,498 | \$339,222,498 |
| Allocation of General Plant | 289,170,439 | 22,555,294 | 482,683 | 22,072,611 | 22,072,611 |
| Total Plant | 5,769,254,972 | 368,806,695 | 7,511,587 | 361,295,109 | 361,295,109 |
| Depreciation Reserve - Production Plant | 2,261,231,813 | 143,707,140 | 2,917,255 | 140,789,885 | 140,789,885 |
| Depreciation Reserve - General Plant | 82,329,592 | 6,421,708 | 137,425 | 6,284,284 | 6,284,284 |
| Total Reserve | 2,343,561,405 | 150,128,848 | 3,054,679 | 147,074,169 | 147,074,169 |
| Net Plant | 3,425,693,567 | 218,677,847 | 4,456,907 | 214,220,940 | 214,220,940 |
| Unburned Nuclear Fuel in Reactor | 60,729,909 | 5,751,122 | 131,126 | 5,619,997 | 5,619,997 |
| Fuel (Fossil) | 55,066,411 | 5,214,789 | 118,897 | 5,095,892 | 5,095,892 |
| Materials and Supplies | 65,170,078 | 6,171,606 | 140,713 | 6,030,894 | 6,030,894 |
| Prepayments | 4,597,634 | 403,213 | 8,871 | 394,342 | 394,342 |
| Accumulated Deferred Income Taxes | (562,358,851) | (36,609,561) | (743,174) | (35,866,387) | (35,866,387) |
| Total Rate Base | <u>\$3,048,898,748</u> | <u>\$199,609,016</u> | <u>\$4,113,339</u> | <u>\$195,495,677</u> | <u>\$195,495,677</u> |
| Fuel and Purchased Power For Load (1) | \$385,077,420 | \$36,466,832 | \$831,444 | \$35,635,388 | \$35,635,388 |
| Other Production Expenses (1) | 310,650,540 | 27,766,026 | 633,065 | 27,132,961 | 27,132,961 |
| Fuel and Purchased Power For Interchange | 127,712,586 | 12,094,382 | 275,752 | 11,818,630 | 0 |
| Interchange Sales | (163,724,350) | (15,504,696) | (353,507) | (15,151,189) | 0 |
| Total Production Expenses | 659,716,196 | 60,822,544 | 1,386,754 | 59,435,790 | 62,768,349 |
| Administrative & General Expenses (2) | 137,197,167 | 10,701,379 | 229,010 | 10,472,370 | 10,472,370 |
| Depreciation Expense - Production Plant | 155,038,655 | 9,635,535 | 195,601 | 9,439,934 | 9,439,934 |
| Depreciation Expense - General Plant | 6,242,012 | 486,877 | 10,419 | 476,458 | 476,458 |
| Taxes Other Than Income | 67,665,534 | 4,606,042 | 93,503 | 4,512,539 | 4,512,539 |
| Income Taxes | 138,791,979 | 9,619,429 | 387,764 | 9,231,664 | 9,231,664 |
| Return | 287,419,685 | 18,817,142 | 198,227 | 18,618,915 | 18,618,915 |
| Total Revenue Requirement | <u>\$1,452,071,228</u> | <u>\$114,688,947</u> | <u>\$2,501,279</u> | <u>\$112,187,669</u> | <u>\$115,520,228</u> |

- (1) The Production O&M Expenses included the cost of Callaway Refuel 12. Since the refuelings only occur every 18 months the above Production O&M Expenses were adjusted to only include 2/3 (12 months) of the Callaway Refuel 12 expenses. (Total \$10 m Purchased Power and \$35 m Other).
- (2) The Administrative & General Expenses included \$65,201,317 one time costs related the VRP and the Venice Plant shutdown. These expenses were removed.

SO₂ Allowance

\$/ton 170

from Tony Artman

| 2001 | tons | rev/cost |
|--------|---------|--------------|
| sold | 145,000 | \$24,650,000 |
| bought | 40,000 | \$6,800,000 |
| net | 105,000 | \$17,850,000 |
| 2002 | tons | rev/cost |
| sold | 70,014 | \$11,902,380 |
| bought | 10,000 | \$1,700,000 |
| net | 60,014 | \$10,202,380 |

2001 reflects a more typical year than 2002, so we should make an adjustment

| | | AmerenUE | AmerenUE-IL | AmerenUE-WSL | AmerenUE-MO portion of IL |
|-----|--------|-----------|-------------|--------------|---------------------------|
| net | 44,986 | 7,647,620 | 724,230 | 16,512 | 707,717 |
| | | | 0.0947 | 0.0228 | 0.9772 |

Public Counsel Adjustment - Public Counsel has reversed the above adjustment because it does not agree with UE's contention that 2001 represents a more typical year than 2002 for purposes of the 25 year analysis performed by Mr. Voytas.

AmerenUE
Missouri Generation Rate Base and Revenue Requirement
Twelve Months Ending December 31, 2007

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | |
|--|-----------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|--------------|
| | 12/31/2004 | 12/31/2004 | 12/31/2005 | 12/31/2006 | 12/31/2007 | 12/31/2008 | 12/31/2009 | 12/31/2010 | 12/31/2011 | 12/31/2012 | 12/31/2013 | 12/31/2014 | 12/31/2015 | 12/31/2016 |
| | Generation | Impact on | | | | | | | | | | | | |
| | AmerenUE-MO | AmerenUE-MO | | | | | | | | | | | | |
| Rate Base | With transfers | With transfers | | | | | | | | | | | | |
| Production Plant | \$5,480,084,533 | \$339,222,498 | | | | | | | | | | | | |
| Allocation of General Plant | 289,170,439 | 22,072,611 | | | | | | | | | | | | |
| Total Plant | 5,769,254,972 | 361,295,109 | | | | | | | | | | | | |
| Depreciation Reserve - Production Plant | 2,261,231,813 | 140,789,885 | | | | | | | | | | | | |
| Depreciation Reserve - General Plant | 82,329,592 | 6,284,284 | | | | | | | | | | | | |
| Total Reserve | 2,343,561,405 | 147,074,169 | | | | | | | | | | | | |
| Net Plant | 3,425,693,567 | 214,220,940 | | | | | | | | | | | | |
| Unburned Nuclear Fuel in Reactor | 60,729,909 | 5,619,997 | | | | | | | | | | | | |
| Fuel (Fossil) | 55,066,411 | 5,095,892 | | | | | | | | | | | | |
| Materials and Supplies | 65,170,078 | 6,030,894 | | | | | | | | | | | | |
| Prepayments | 4,597,634 | 394,342 | | | | | | | | | | | | |
| Accumulated Deferred Income Taxes | (562,358,851) | (35,866,387) | | | | | | | | | | | | |
| | | 0 | | | | | | | | | | | | |
| Total Rate Base | \$3,048,898,748 | \$195,495,677 | \$185,579,286 | \$175,662,894 | \$165,746,503 | \$155,630,111 | \$145,913,720 | \$135,997,329 | \$126,080,937 | \$116,164,546 | \$106,248,154 | \$96,331,763 | \$86,415,372 | \$76,498,980 |
| Fuel and Purchased Power | \$385,077,420 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 |
| Other Production Expenses | 310,650,540 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 |
| Fuel and Purchased Power For Interchange | 127,712,586 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Interchange Sales | (163,724,350) | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Total Production Expenses | 659,716,196 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 |
| Administrative & General Expenses | 137,197,167 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 |
| Depreciation Expense - Production Plant | 155,038,655 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 |
| Depreciation Expense - General Plant | 6,242,012 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 |
| Taxes Other Than Income | 67,665,534 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 |
| Income Taxes | 138,791,979 | 9,231,864 | 8,763,394 | 8,295,124 | 7,826,854 | 7,358,584 | 6,890,313 | 6,422,043 | 5,953,773 | 5,485,503 | 5,017,233 | 4,548,962 | 4,080,692 | 3,612,422 |
| Return | 287,419,685 | 18,618,915 | 17,674,482 | 16,730,050 | 15,785,617 | 14,841,185 | 13,896,753 | 12,952,320 | 12,007,888 | 11,063,456 | 10,119,023 | 9,174,591 | 8,230,159 | 7,285,726 |
| Total Revenue Requirement | \$1,452,071,228 | \$115,520,228 | \$114,107,525 | \$112,694,823 | \$111,282,120 | \$109,869,417 | \$108,456,715 | \$107,044,012 | \$105,631,310 | \$104,218,607 | \$102,805,905 | \$101,393,202 | \$99,980,500 | \$98,567,797 |
| | | | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| | | | 12/31/2017 | 12/31/2018 | 12/31/2019 | 12/31/2020 | 12/31/2021 | 12/31/2022 | 12/31/2023 | 12/31/2024 | 12/31/2025 | 12/31/2026 | 12/31/2027 | 12/31/2028 |
| Total Rate Base | | | \$66,582,589 | \$56,666,197 | \$46,749,806 | \$36,833,415 | \$26,917,023 | \$17,141,124 | \$17,141,124 | \$17,141,124 | \$17,141,124 | \$17,141,124 | \$17,141,124 | \$17,141,124 |
| Fuel and Purchased Power | | | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 | \$35,635,388 |
| Other Production Expenses | | | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 | 27,132,961 |
| Interchange Sales | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Total Production Expenses | | | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 | 62,768,349 |
| Administrative & General Expenses | | | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 | 10,472,370 |
| Depreciation Expense - Production Plant | | | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 9,439,934 | 5,689,554 | 0 | 0 | 0 |
| Depreciation Expense - General Plant | | | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 476,458 | 287,166 | 0 | 0 | 0 |
| Taxes Other Than Income | | | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 | 4,512,539 |
| Income Taxes | | | 3,144,152 | 2,675,882 | 2,207,612 | 1,739,341 | 1,271,071 | 809,435 | 809,435 | 809,435 | 809,435 | 809,435 | 809,435 | 809,435 |
| Return | | | 6,341,294 | 5,396,861 | 4,452,429 | 3,507,997 | 2,563,564 | 1,632,512 | 1,632,512 | 1,632,512 | 1,632,512 | 1,632,512 | 1,632,512 | 1,632,512 |
| Total Revenue Requirement | | | \$97,155,095 | \$95,742,392 | \$94,329,689 | \$92,916,987 | \$91,504,284 | \$90,111,597 | \$90,111,597 | \$90,111,597 | \$86,171,925 | \$80,195,205 | \$80,195,205 | \$80,195,205 |
| NPV of Total Revenue Requirements | | | \$966,247,188 | | | | | | | | | | | |
| Equivalent Annuity | | | (\$104) | | | | | | | | | | | |

Economic Analysis of Purchase of AEG CTG's

| | |
|------------------|---------------|
| Reserve Margin | 0.17 |
| Capacity | 596.7 MW |
| Capital cost | 471 \$/Kw |
| fixed cost | 7.80 \$/Kw-yr |
| nonvariable fuel | |
| transportation | |
| cost | \$762,000 |

| | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Capital | 58,125,686 | 55,283,531 | 52,602,509 | 50,066,507 | 47,661,024 | 45,373,007 | 43,190,709 | 41,008,412 | 38,826,114 | 36,643,816 | 34,461,519 | 32,279,221 | 30,096,924 | 27,914,626 | 25,732,329 | 23,550,031 | 22,319,211 | 21,088,390 | 19,857,570 | 18,626,750 | 17,395,930 | 16,165,109 | 14,934,289 | 13,703,469 | 12,472,648 |
| O&M | 5,416,260 | 5,509,345 | 5,604,292 | 5,701,138 | 5,799,921 | 5,900,678 | 6,003,453 | 6,108,282 | 6,215,207 | 6,324,272 | 6,435,517 | 6,548,987 | 6,664,727 | 6,782,782 | 6,903,197 | 7,026,021 | 7,151,302 | 7,279,088 | 7,409,429 | 7,542,378 | 7,677,986 | 7,816,305 | 7,957,391 | 8,101,299 | 8,248,085 |
| Total | 63,541,946 | 60,792,876 | 58,206,801 | 55,767,645 | 53,460,945 | 51,273,686 | 49,194,162 | 47,116,693 | 45,041,321 | 42,968,088 | 40,897,036 | 38,828,209 | 36,761,651 | 34,697,408 | 32,635,526 | 30,576,052 | 29,470,512 | 28,367,478 | 27,267,000 | 26,169,128 | 25,073,915 | 23,981,414 | 22,891,680 | 21,804,768 | 20,720,733 |

* This tolling contract only covers June through September for the years, 2002-2010.

| | |
|-----|----------------|
| NPV | \$441,692,859 |
| PMT | (\$46,809,385) |

| Transfer UE-IL Service Territory | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Annuity | PV | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 |
| Revenue Requirements | (104.50) | (1014.2) | (115.5) | (114.1) | (112.7) | (111.3) | (109.9) | (108.5) | (107.0) | (105.6) | (104.2) | (102.8) | (101.4) | (100.0) | (98.6) | (97.2) | (95.7) | (94.3) | (92.9) | (91.5) | (90.1) | (90.1) | (90.1) | (86.2) | (80.2) | (80.2) | (80.2) |
| Annual Production Cost Savings | \$35.6 | 345.8 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 | 35.6 |
| Annual Variable Production Cost Savings | 25.0 | 243.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| | (43.8) | (425.3) | (54.8) | (53.4) | (52.0) | (50.6) | (49.2) | (47.8) | (46.4) | (45.0) | (43.5) | (42.1) | (40.7) | (39.3) | (37.9) | (36.5) | (35.1) | (33.7) | (32.2) | (30.8) | (29.4) | (29.4) | (29.4) | (25.5) | (19.5) | (19.5) | (19.5) |
| Capital and Fixed Cost | \$0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Margin on Energy | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Total Cost | (43.8) | (425.3) | (54.8) | (53.4) | (52.0) | (50.6) | (49.2) | (47.8) | (46.4) | (45.0) | (43.5) | (42.1) | (40.7) | (39.3) | (37.9) | (36.5) | (35.1) | (33.7) | (32.2) | (30.8) | (29.4) | (29.4) | (29.4) | (25.5) | (19.5) | (19.5) | (19.5) |

| | | Purchase CTG | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| | Annuity | PV | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 | Year 7 | Year 8 | Year 9 | Year 10 | Year 11 | Year 12 | Year 13 | Year 14 | Year 15 | Year 16 | Year 17 | Year 18 | Year 19 | Year 20 | Year 21 | Year 22 | Year 23 | Year 24 | Year 25 |
| Revenue Requirements | \$0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Annual Production Cost Savings | \$0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Annual Variable Production Cost Savings | \$0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Capital and Fixed Cost | (46.81) | (441.7) | (63.5) | (60.8) | (58.2) | (55.8) | (53.5) | (51.3) | (49.2) | (47.1) | (45.0) | (43.0) | (40.9) | (38.8) | (36.8) | (34.7) | (32.6) | (30.6) | (29.5) | (28.4) | (27.3) | (26.2) | (25.1) | (24.0) | (22.9) | (21.8) | (20.7) |
| Margin on Energy | \$1.3 | 12.3 | 0.1 | 0.3 | 0.6 | 1.2 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| | (45.5) | (429.4) | (63.4) | (60.5) | (57.6) | (54.6) | (51.7) | (49.6) | (47.5) | (45.4) | (43.3) | (41.3) | (39.2) | (37.1) | (35.1) | (33.0) | (30.9) | (28.9) | (27.8) | (26.7) | (25.6) | (24.5) | (23.4) | (22.3) | (21.2) | (20.1) | (19.0) |
| Total Cost | (45.5) | (429.4) | (63.4) | (60.5) | (57.6) | (54.6) | (51.7) | (49.6) | (47.5) | (45.4) | (43.3) | (41.3) | (39.2) | (37.1) | (35.1) | (33.0) | (30.9) | (28.9) | (27.8) | (26.7) | (25.6) | (24.5) | (23.4) | (22.3) | (21.2) | (20.1) | (19.0) |

Annuity PV 1/1/03
1.7 4.1

transfer is less by
(Transfer - CTG)

Ameren-UE Illinois Service Territory Transfer vs. CTG Options

Impact on AmerenUE-Missouri

| | Transfer UE-IL Service Territory | Purchase CTG |
|---|--|----------------------|
| Annual Revenue Requirements | (104.5) | 0.0 |
| Annual Production Cost Savings | 35.6 | 0.0 |
| Annual Variable Production Cost Savings | <u>25.0</u> | <u>0.0</u> |
| | (43.8) | 0.0 |
| Annual Demand Charges | 0.0 | (46.8) |
| Annual Margin on Energy | <u>0.0</u> | <u>1.3</u> |
| | 0.0 | (45.5) |
| Total | <u><u>(43.8)</u></u> | <u><u>(45.5)</u></u> |