## Colorado Long Range Transmission Planning Cost Estimates

During the CLRTP Study process participants agreed to estimate the overall required transmission investment by using a combination of budgeted cost estimates and generic cost estimates. Facility additions that were confirmed to be required in the CLRTP studies and that were already in a participant's capital budget, were estimated in a manner consistent with the existing budget. Facility additions that were identified for the first time in the CLRTP studies and, therefore, not presently budgeted in a participant's capital budget, were estimated utilizing generic planning level cost estimates.

As a source for 345 kV and 230 kV generic planning level cost estimates, the study participants utilized the cost estimates developed during the Colorado Generation Project study. Adjustments for inflation to 2004 dollars were made to develop the CLRTP Infrastructure Unit Transmission Costs. The generic cost estimates were further augmented with planning level estimates for 115 kV facilities. The generic costs include estimates for siting and right of way.

The general inflation rate was 2.5 % for adjusting to 2004 dollars.

Unit Transmission Costs in 2004 dollars
\$ 525,312 per mile, includes R/W, Environmental
and siting.
\$ 315,187 per mile, includes R/W, Environmental
and siting.
\$ 60,000 per mile, No R/W, Environmental and
siting.
\$ 100,000 per mile, No R/W
\$ 200,000 per mile, including R/W, Environmental
and siting.
\$ 225,000 per mile, including R/W, Environmental
and siting.
\$ 250,000 per mile, including R/W, Environmental
and siting.
\$ 2,625,663 per bank
\$ 5,253,125 per bank
\$ 1,210,320 per bank
\$ 561,000 per bank
\$ 350, 000 per bank

Table 1. CLRTP Transmission Infrastructure Unit Transmission Costs