



2005 Access Initiative Cost Estimates

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Recent Activities

- Reviewed and revised during March '05
 - Reviewed:
 - Transmission line estimates including opportunities for corridor sharing
 - Substation estimates including Paddock GIS
 - Revised estimates (2005 dollars) were supplied to the PSCW on March 25th
- Subsequent revision during May '05



Qualifications

- The specific line route has not been established.
- The estimates are not field verified and have not been through a constructability review.
- The estimates do not include an environmental review. Specific permit conditions may require costs above and beyond the intrinsic amounts included.
- The estimates are budgetary quality with significant variance possible.



Assumptions

- Conductor:
 - 345 kV: T-2 1113 ACSR Bluejay
 - 138 kV: T-2 556 ACSR Dove
- Structure Type: Steel Pole
- ROW: 120ft.
- Environmental Impact Cost: 5%
- Project Contingency Cost: 20%
- Outage Mitigation Cost/mi.: \$72,000
- Removal Cost/mi.: \$96,000



Salem to North Madison

- Total Mileage: 149 Miles
 - Single Circuit Mileage: 6 Miles
 - Double Circuit Mileage: 143 Miles
- Total Estimated Project Cost: \$343,921,088
 - Estimated Line Costs: \$318,208,000
 - Estimated Substation Costs: \$16,713,088
 - Estimated Licensing Costs: \$9,000,000
- Includes \$12,000,000 for the Mississippi River crossing



Byron to North Madison

- Total Mileage: 97 Miles
 - Single Circuit Mileage: 56 Miles
 - Double Circuit Mileage: 41 Miles
- Total Estimated Project Cost: \$185,074,684
 - Estimated Line Costs: \$161,940,000
 - Estimated Substation Costs: \$14,134,684
 - Estimated Licensing Costs: \$9,000,000



Paddock to Rockdale #2

- Total Mileage: 36 Miles
 - Single Circuit Mileage: 7.6 Miles
 - Double Circuit Mileage: 21 Miles
 - 345 kV Re-conductor: 6.2 Miles
 - 69 kV Mileage: 1.2 Miles
- Total Estimated Project Cost: \$66,360,486
 - Estimated Line Costs: \$54,689,600
 - Estimated Substation Costs: \$7,170,886
 - Estimated Licensing Costs: \$4,500,000