



**MAINE POWER RELIABILITY PROGRAM
LINE SUMMARY COST ESTIMATE**



42 Single circuit 345kV on existing ROW. Gulf Island II to Surowiec
3026 START DATE 7/2/2010 DURATION 137 DAYS END DATE 11/19/2010
16.4 MILES

ITEM	ITEMIZED COSTS	COST PER MILE
WOOD POLE STRUCTURE: MATERIAL	\$2,958,527	\$180,398
STEEL POLE STRUCTURE, MATERIAL	\$1,000,350	\$60,997
CONDUCTOR, OPGW, SW AND GUY WIRE: MATERIAL	\$2,361,671	\$144,004
INSULATORS: MATERIAL	\$178,800	\$10,902
HARDWARE: MATERIAL	\$230,424	\$14,050
SUBTOTAL	\$6,729,772	\$410,352
EXCAVATIONS: LABOR & EQUIP.	\$3,249,711	\$198,153
HAUL, ASSEMBLE AND ERECT STRUCTURES: LABOR AND EQUIP.	\$1,369,440	\$83,502
INSTALL GUYS: LABOR AND EQUIP.	\$52,380	\$3,194
INSTALL CONDUCTORS: LABOR & EQUIP.	\$1,994,388	\$121,609
INSTALL OPGW: LABOR & EQUIP.	\$187,039	\$11,405
INSTALL SHIELD WIRES: LABOR & EQUIP.	\$93,519	\$5,702
REMOVE EXISTING STRUCTURES	\$0	\$0
REMOVE EXISTING WIRE	\$0	\$0
SUBTOTAL	\$6,946,478	\$423,566
CONSTRUCTION ACCESS	\$893,800	\$54,500
CATHODIC PROTECTION	\$0	\$0
CONSTRUCTION INSPECTION	\$313,143	\$19,094
MOBILIZATION / DEMOBILIZATION	\$100,000	\$6,098
SCREENING/PLANTING/MATTING/REMEDICATION/3 PI	\$3,646,491	\$222,347
ROW CLEARING / TRIMMING	\$1,391,515	\$84,848
SUBTOTAL	\$6,344,949	\$386,887
RESERVE	10%	\$2,002,120
CMP OVERHEADS	1%	\$100,106
ENGINEERING / DESIGN	10%	\$2,002,120
ESCALATION	0%	\$0
PERMITTING	10%	\$2,002,120
PROCUREMENT / RECEIVING		\$166,357
AFUDC		\$0
SUBTOTAL	\$6,272,823	\$382,489
TOTAL	\$26,294,022	\$1,603,294

ASSUMPTIONS

131 - 345kV Direct Embed, Single Circuit, Tangent (EA-1) 0°-2°
1 - 345kV Direct Embed, Single Circuit, Light Angle (EB-1) 1° - 5°
3 - 345kV Direct Embed, Single Circuit, Medium Angle (EB-3) 5° - 20°
3 - 345kV Direct Embed, Single Circuit, Medium Angle (EC-1) 20° - 30°
1 - 345kV Direct Embed, Single Circuit, Medium Angle (EC-2) 30° - 45°
5 - 345kV Direct Embed, Single Circuit, Light Angle DE (ED-1) 0° - 15°
16 - Guard Structure