

PHASE 2 PRELIMINARY PRE-ENGINEERING COST ESTIMATES*

Cost Component	Direct Cost	Total Cost
Planning and Engineering Proposal (based on 2017-2019 lines - adj for accelerated mileage - 21 est./326 mi)	\$3,362,969	
Planning and Engineering Proposal Proration (based on 2017-2019 est. for similarly situated lines - 59 est./334 mi)	<u>\$5,893,444</u>	
Total Estimated Planning and Engineering Costs		\$9,256,413
Support Resources (Based on 27 month project duration - 3 batches @ 9 months each)		
Third Party Support Resources		
Land Services (2 @ \$107/hour blended rate of existing contracts)	\$1,001,520	
Environmental (4@\$150 hour blended rate of existing contracts)	\$2,808,000	
Construction (2 @\$141hr ST rate of existing contracts plus \$204/day per diem)	<u>\$1,654,728</u>	
Total Third Party Support Resources		\$5,464,248
Internal Resources		
Project Manager (1 @ \$100,000)	\$225,000	
Engineer (2 @\$70,000)	\$315,000	
Cost Estimator (1 @ \$70,000)	\$157,500	
CNG/LNG (1@\$80,000) (will utilize existing resource)	\$180,000	
Buyer (1 @ \$90,000)	\$202,500	
Project Support (1@ \$100,000)	<u>\$225,000</u>	
Total Internal Resources		\$1,305,000
Subtotal	\$16,025,661	
20% Contingency	<u>\$3,205,132</u>	
SUBTOTAL (High Level Estimate - Direct Costs)		\$19,230,793
Overhead Loaders & Escalation		\$2,165,570
Capitalized Property Tax		85,407
AFUDC		755,914
GRAND TOTAL (High Level Estimate)		<u>\$22,237,683</u>
	O&M	Capital
O&M/Capital Split 60%/40% - based on estimated total Phase 2 Project Cost (Direct Costs)	\$11,538,476	\$7,692,317

*Note: actual planning and engineering design costs may vary.

27 month project duration to develop estimates for all Phase 2 projects (7/1/15 - 10/1/17)