Appendix G

Transportation Background Information

Appendix G
Truck Trip
Estimation Analysis

As part of the Proponent's Environmental Assessment (PEA) to evaluate the potential impacts of the Proposed Project to Traffic and Transportation during construction, the number of trucks for transporting and/or disposing of construction materials (e.g., soil and concrete) is estimated.

Number of Truck Trips Estimate Calculations

The number of truck trips estimate was calculated based on the estimated volumes of material expected to be utilized or generated during construction of the Proposed Project. Construction materials expected to be utilized or generated include soil and fill material, concrete, aggregates, asphalt concrete, and rocks/gravels. The estimated volumes of these materials and the assumptions in the volume calculations are presented in Table G-1. The data in Table G-1 are conservative estimates of volumes, and thus may not match those found in Section 3 of the PEA.

Appendix G
Truck Trip
Estimation Analysis

Table G-1. Estimated Materials and Volumes

Construction Type	Soil[1] (cy)	Concrete (cy)	Asphalt Concrete (cy)	Aggregate Base (cy)	Rock/Gravels (cy)
Substation materials and estimated volumes	1,000	625	420	850	2,500
Tubular Steel Pole Installation[2]	111	120	NA	NA	NA
Lightweight Steel Pole Installation[3]	5	NA	NA	NA	NA
New Access Road[4]	593	NA	NA	NA	NA
Fiber Optic Telecommunication Cable Paths[5]	3,627	NA	NA	NA	NA
Total	5,335	745	420	850	2,500

Notes:

1. Represents estimated volume of soil to be excavated and disposed of or volume of fill material anticipated to achieve proposed grading.
2. Estimated conservative maximum depth of 30 feet for excavation of hole.
3. Estimated conservative maximum depth of 11 feet for excavation of hole.
4. Assumed that the entire length of 1,000 feet of access road required an average of one foot of fill material and width of road is assumed to be 16 feet.
5. Estimated length of trenching required obtained from Section 3 of the PEA. Assumed that depth of trench is 8 feet below grade and 2 feet wide.

cy = cubic yard