Q. It is stated that it will be necessary to change the voltage of the existing plant station service transformer to satisfy the voltage requirements of the new equipment and increase transformer capacity to accommodate the additional load (page E-1, Appendix E, Volume II). Why is station service load increasing? Please indicate where the additional station service load is factored in to the Feasibility Analysis of the Rattling Brook refurbishment in Appendix H.

A. The increase in station service load is principally due to proposed modifications to the heating and ventilation system described in Section 17.0, page E-8, Appendix E, Volume II and Section 2.8, page F-11, Appendix F, Volume II.

The current building ventilation louvers, which are pneumatically operated, (i.e., by air compression) will be replaced with an electrically operated system. There is also a requirement for additional heating to control condensation on the generators when the units are not in service. Finally, the proposed new digital voltage regulators will also increase the station service load.

The capital cost associated with the additional station services is included in the electrical component of the 2007 capital costs included in the feasibility analysis in Appendix H, Volume II.

The incremental increase in station service load is estimated at approximately 0.05 GWh.

Station service load for a plant is netted from the plant's gross production to yield the net production which is used in the feasibility analysis. The station service load for the Rattling Brook plant is factored into the feasibility analysis through netting the station service load from gross plant production.