

## Electrical - Coal Life-Cycle Analysis

Division 260000-5

The following analysis is required for projects with major energy using components of at least 3,000,000 BTU/Hr.

The governing passage for the Commonwealth of Kentucky Coal Life-Cycle Analysis procedures is: KRS 45A.045 (12).

*"(12) The Finance and Administration Cabinet shall have control and supervision over all purchases of energy-consuming equipment, supplies, and related equipment purchased or acquired by any agency of the state as provided in this code, and shall promulgate administrative regulations to designate the manner in which an energy-consuming item will be purchased so as to promote energy conservation and acquisition of energy efficient products. Major energy components shall be amortized on a seven (7) to ten (10) years' recovery basis and shall take into consideration the projected cost of fuel. The Finance and Administration Cabinet, in consultation with the Cabinet for Economic Development, shall conduct a thorough economic feasibility analysis on any major energy-using component of at least three million (3,000,000) BTU's per hour heat input and shall issue a certificate of economic feasibility prior to the Finance and Administration Cabinet's purchasing or retrofitting any such component that utilizes any fuel other than coal. The economic feasibility analysis shall consist of life-cycle cost comparisons of a component that would utilize coal and one(s) that would utilize any fuel other than coal. For the analysis, the Finance and Administration Cabinet shall provide detailed estimates of equipment purchase price, installation cost, annual operation and maintenance costs, and usage patterns of energy-using components."*

A link to the KRS document is: <http://www.lrc.ky.gov/KRS/045A00/CHAPTER.htm>

*Comment: This requirement will typically apply to the mechanical discipline, but is included in this section for informational purposes. Evaluate and respond as appropriate for each project.*