

Kentucky Resources Council, Inc.
Frankfort, KY
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PSC Request 6

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EAST KENTUCKY POWER COOPERATIVE, INC.

PSC CASE NO. 2000-079

INFORMATION REQUEST RESPONSE

PUBLIC SERVICE COMMISSION REQUEST DATED 6/1/00

REQUEST 6

RESPONSIBLE PERSON: Dwight Lockwood

COMPANY: Kentucky Pioneer Energy
(responding for East Kentucky Power Cooperative)

Request 6. Will the solid waste be combined with coal to produce a briquette or will the solid waste be converted into gas and then processed with the coal? Explain the process to be used.

Response 6. Typically the fuel briquette mixture of Kentucky Coal and RDF will be gasified, though a feed of coal is also feasible. Solid feed material will be gasified and the syngas will then be purified before use as combustion turbine fuel.

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EAST KENTUCKY POWER COOPERATIVE, INC.
PSC CASE NO. 2000-079
INFORMATION REQUEST RESPONSE

PUBLIC SERVICE COMMISSION REQUEST DATED 6/1/00
REQUEST 7

RESPONSIBLE PERSON: Dwight Lockwood
COMPANY: Kentucky Pioneer Energy
(responding for East Kentucky Power Cooperative)

Request 7. Will Kentucky coal be used exclusively for the briquettes? If yes, describe the term of contracts that are expected to be signed.

Response 7. Kentucky Pioneer Energy intends to exclusively use Kentucky Coal. Long-term (i.e. 20 year) supply contracts are planned.

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TAB 8

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EAST KENTUCKY POWER COOPERATIVE, INC.
PSC CASE NO. 2000-079
INFORMATION REQUEST RESPONSE

PUBLIC SERVICE COMMISSION REQUEST DATED 6/1/00
REQUEST 8

RESPONSIBLE PERSON: Dwight Lockwood
COMPANY: Kentucky Pioneer Energy
(responding for East Kentucky Power Cooperative)

Request 8. How much coal and how much solid waste are anticipated to be utilized on an annual basis?

Response 8. Assuming a 50/50 blend of Kentucky Coal and RDF, annual consumption would approach:

Coal:	1 million tons per year
RDF (MSW):	1 million tons per year

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EAST KENTUCKY POWER COOPERATIVE, INC.
PSC CASE NO. 2000-079
INFORMATION REQUEST RESPONSE

PUBLIC SERVICE COMMISSION REQUEST DATED 6/1/00

REQUEST 9

RESPONSIBLE PERSON: Dwight Lockwood

COMPANY: Kentucky Pioneer Energy
(responding for East Kentucky Power Cooperative)

Request 9. Where will the solid waste and coal be stored and where will the briquettes be made?

Response 9. The briquette production facility location has not yet been selected. Storage of solid waste components will be avoided by just-in-time delivery. Receipt of solid waste is planned to be indoors in a negative pressure building – followed by immediate processing. Coal supplies will be staged sufficient to support briquette production upon receipt of MSW.

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TAB 10

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EAST KENTUCKY POWER COOPERATIVE, INC.

PSC CASE NO. 2000-079

INFORMATION REQUEST RESPONSE

PUBLIC SERVICE COMMISSION REQUEST DATED 6/1/00

REQUEST 10

RESPONSIBLE PERSON: Dwight Lockwood

COMPANY: Kentucky Pioneer Energy

(responding for East Kentucky Power Cooperative)

Request 10. Will all the solid waste originate in Kentucky or will out-of-state solid waste be imported?

Response 10. The relatively small amounts and generally widely dispersed nature of MSW in the Commonwealth (i.e. small quantities in each county) does not economically support exclusive utilization of Kentucky generated MSW supplies.

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TAB 11

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EAST KENTUCKY POWER COOPERATIVE, INC.
PSC CASE NO. 2000-079
INFORMATION REQUEST RESPONSE

PUBLIC SERVICE COMMISSION REQUEST DATED 6/1/00
REQUEST 11

RESPONSIBLE PERSON: Dwight Lockwood
COMPANY: Kentucky Pioneer Energy
(responding for East Kentucky Power Cooperative)

Request 11. What is the range of specifications for the coal that can be used in this gasification process? What are the specifications of the coal that will be used in this process?

Response 11. A major benefit of BGL gasification technology is that it is capable of processing a wide range of feed materials, with wide-ranging specification. Also, syngas clean up (e.g. sulfur removal) enables use of high sulfur (non-compliance) coal. Acceptable coal content can be in excess of 7% sulfur and approximately 25% ash.