

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**INVESTIGATION OF KENTUCKY UTILITIES)
COMPANY'S AND LOUISVILLE GAS &)
ELECTRIC COMPANY'S RESPECTIVE NEED) CASE NO. 2015-00194
FOR AND COST OF MULTIPHASE LANDFILLS)
AT THE TRIMBLE COUNTY AND GHENT)
GENERATING STATIONS)**

**RESPONSE OF
KENTUCKY UTILITIES COMPANY AND
LOUISVILLE GAS AND ELECTRIC COMPANY**

**TO THE SUPPLEMENTAL DATA REQUEST OF
STERLING VENTURES, LLC
DATED AUGUST 20, 2015**

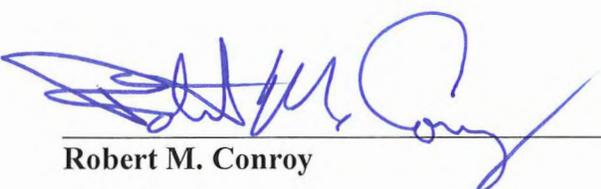
CONFIDENTIAL INFORMATION REDACTED

FILED: SEPTEMBER 3, 2015

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Robert M. Conroy**, being duly sworn, deposes and says that he is Director - Rates for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Robert M. Conroy

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 3rd day of September 2015.



Notary Public (SEAL)

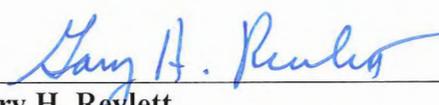
My Commission Expires:

JUDY SCHOOLER
Notary Public, State at Large, KY
~~My commission expires July 11, 2018~~
Notary ID # 512743

VERIFICATION

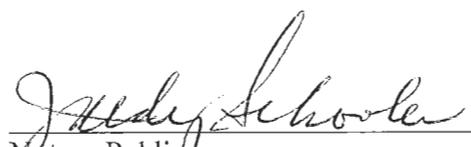
COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Gary H. Revlett**, being duly sworn, deposes and says that he is Director – Environmental Affairs for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Gary H. Revlett

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 2nd day of September 2015.



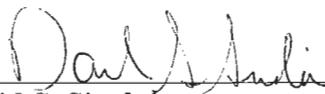
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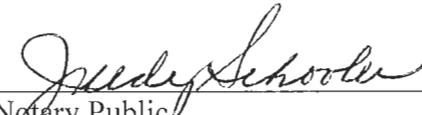
COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **David S. Sinclair**, being duly sworn, deposes and says that he is Vice President, Energy Supply and Analysis for Kentucky Utilities Company and Louisville Gas and Electric Company and an employee of LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



David S. Sinclair

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 3rd day of September 2015.



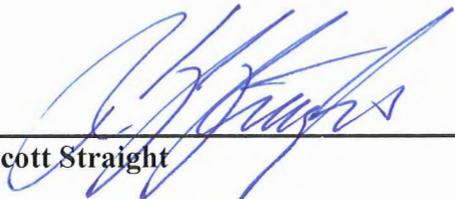
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My commission expires July 11, 2018
Notary ID # 512743

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Scott Straight**, being duly sworn, deposes and says that he is the Director of Project Engineering for Louisville Gas and Electric Company and Kentucky Utilities Company and an employee of LG&E and KU Services Company, that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Scott Straight

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 1st day of September 2015.



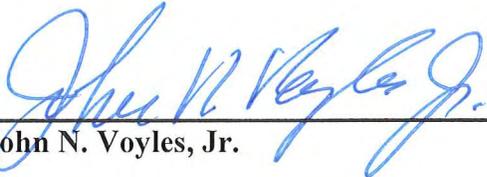
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My Commission Expires:
JUDY SCHOOLER
Notary Public, State at Large, KY
~~My commission expires July 11, 2018~~
Notary ID # 512743

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **John N. Voyles, Jr.**, being duly sworn, deposes and says that he is the Vice President, Transmission and Generation Services for Louisville Gas and Electric Company and Kentucky Utilities Company and an employee of LG&E and KU Services Company, that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



John N. Voyles, Jr.

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 2nd day of September 2015.

 (SEAL)

Notary Public

My Commission Expires:

JUDY SCHOOLER
Notary Public, State at Large, KY
~~My commission expires July 11, 2018~~
Notary ID # 512743

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 1

Witness: John N. Voyles / Robert M. Conroy

- Q-1. Please see Attachment A to this Supplemental Data Request, and Exhibit T of Sterling's Complaint, in reference to the following question.
- a. Please confirm that the Companies have not requested Confidentiality with respect to any of the information set forth in Attachment A.
- A-1. The information contained in the referenced Attachment A was provided as an attachment in response to Question No. 4(a) of the KIUC's First Set of Data Requests Dated August 18, 2009 in Case No. 2009-00197 and was not filed pursuant to a petition for confidential protection.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 2

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair

- Q-2. Is the position of the Companies that any of the cost information in the "[REDACTED]" Worksheet or the "[REDACTED]" Worksheet of any of the following Workbooks is confidential? (See Attachment B to this Supplemental Data Request for example of information on "[REDACTED]" and "[REDACTED]" Worksheet - [REDACTED])
- a. Attachment to PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx.
 - b. Attachment to SV 1-14_TCOffsiteStorage_REDACTED.xlsx.
- A-2. Yes. In each workbook, the "[REDACTED]" worksheet contains confidential information that is referenced by other worksheets. This information cannot be redacted without compromising the confidentiality of the workbook results. Therefore, the entire workbook is considered confidential.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
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Case No. 2015-00194

Question No. 3

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair

- Q-3. If the answer is yes to 2.a. or 2.b. above, please identify specifically by Row and Column identifier of the Workbook the specific cost information that the Companies are claiming is confidential, and explain in detail the following:
- a. the difference between (i) the cost information in the “[REDACTED]” and “[REDACTED]” and (ii) the publically disclosed costs of the Trimble Landfill in this proceeding and in the Companies’ 2014 Rate Cases.
 - b. how the detailed cost disclosures in the referenced “[REDACTED]” Worksheets is a different type of cost information from the detailed cost items in Attachment A and requires confidentiality.
- A-3. In the “Attachment to PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx” workbook, cells C35:C39 of the “[REDACTED]” worksheet contain cost estimates based on the terms of a confidential contract between the Companies and a vendor providing landfill-related services at the Ghent Station. The same information is contained in cells C27:C31 of the “[REDACTED]” worksheet in the “Attachment to SV 1-14_TCOffsiteStorage_REDACTED.xlsx” workbook.
- a. These confidential contract terms have not been publicly disclosed in this proceeding or in the Companies’ 2014 Rate Cases.
 - b. The cost estimates in Attachment A were developed by an outside consultant and were not based on an existing confidential contract.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 4

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair

- Q-4. With respect to Attachment B to this Supplemental Data Request, are the O&M costs of the CCR Treatment Facility (distinct from the CCR transport infrastructure and landfill related costs) included in the "[REDACTED]" Worksheet? If yes, please explain and identify those cost in the "[REDACTED]" Worksheet.
- A-4. No. The O&M cost for the CCR treatment facility is \$1 to \$1.5 million per year. Because this cost is applicable to Sterling Ventures and onsite landfill alternatives, the exclusion of this cost has no impact on the comparison of alternatives. See the Companies' supplemental response to PSC 1-8c (iv).

KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY

Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015

Case No. 2015-00194

Question No. 5

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair / R. Scott Straight / Gary H. Revlett

- Q-5. Please refer to Attachment C to this Supplemental Data Request.
- a. Please provide the source and documentation for the costs detailed in the “Additional O&M” section.
 - b. Are the costs listed in the “Additional O&M” section still accurate with respect to the costs listed therein as of the referenced date (December 2014), or has subsequent review of costs resulted in those costs now being inaccurate or incomplete?
 - c. If the cost assumptions as reflected in the “Additional O&M” section have changed or been revised, please provide all documentation supporting the changes or revisions.
 - d. If the cost assumptions as reflected in the “Additional O&M” section have changed or been revised, will the Companies be revising the Supplement to Alternative Analysis to reflect the changed or updated costs?
 - e. Did the Companies provide the cost information on Attachment C to GAI, or were the costs developed by GAI independently of the Companies?
 - f. Did the Companies review the cost assumption as reflected in the “Additional O&M” section of Attachment C? If yes, who at the Companies were involved in that review?
 - g. Please specifically identify any cost included in the “[REDACTED]” and “[REDACTED]” sections of the “[REDACTED]” Worksheet in the Workbook identified in question 2 above that are or were excluded from the costs identified in the “Additional O&M” section of Attachment C.
 - h. Please reconcile the costs included in the “[REDACTED]” and “[REDACTED]” sections of the “[REDACTED]” Worksheet in the Workbook identified in question 2 above to the costs identified in the “Additional O&M” section of Attachment C.

- i. Provide copies of all reports, materials, spreadsheets, calculations, and analyses provided by the Companies to GAI related to the “O&M” and “Fixed Cost” sections of the “Cost Detail” Worksheet in the Workbook identified in question 2 above.
- A-5.
- a. See Supplement to Alternative Analysis Support Document IIID-1-17 pages 3 to 6.
 - b. In the February 2015 analysis of the landfill and Sterling Ventures alternatives, as well as the analysis presented in response to PSC 1-18, the assumed CCR placement and compaction costs have been updated based on the Companies’ experience operating the Ghent landfill. The basis for all other costs in the “Additional O&M Costs” section has not changed.
 - c. The information responsive to this request is considered to be confidential and proprietary. It is not being provided to Sterling Ventures because it is a potential vendor to the Companies and is being filed with the Commission pursuant to a petition for confidential protection. See the response to PSC 1-8b(2).
 - d. No. The Companies do not plan to revise the Supplement to Alternative Analysis.
 - e. No. The Companies did not provide cost information on Attachment C to GAI. The cost information on Attachment C was developed by GAI.
 - f. Yes. The Companies reviewed the “Additional O&M” section of Attachment C. This information was reviewed by various departments within the Companies.
 - g. O&M cost inputs are contained in rows 22-45 of the “[REDACTED]” worksheet in the “Attachment to PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx” workbook and rows 14-37 of the “[REDACTED]” worksheet in the “Attachment to SV 1-14_TCOffsiteStorage_REDACTED.xlsx” workbook. The following costs were considered minor construction and operations costs and were not included in the Additional O&M section in Attachment C due to the conceptual nature of the design (see footnote 2 in Attachment C):

| Cost Item | Cost (Excluding Contingencies) |
|--|--------------------------------|
| Ground Water Sampling and Testing | |
| Surface Water Sampling and Testing | |
| Protective Cover (Ballast Layer) Maintenance | |
| Bridge Maintenance | |
| Mowing | |
| Post-Closure | |

- h. The table below reconciles the components of Additional O&M Costs in the Supplement to Alternatives Analysis to the cost inputs in the “[REDACTED]” worksheet. Only the “CCR Placement and Compaction at Landfill” cost has been updated (see

response to part b). All costs in Attachment C exclude contingencies. With the exception of “CCR Placement and Compaction at Landfill” cost, a 25% contingency is ultimately added to all cost inputs in the “ ” worksheet.

| | Supplement to Alternatives Analysis | | | | CostDetail Worksheet |
|--|-------------------------------------|------|----------|--------------------|----------------------|
| CCR Placement, Compaction, Survey, and QA/QC | Unit Cost (\$) | Unit | Quantity | Cost (\$) | Unit Cost (\$) |
| Surveying of CCR Placement | | | | | |
| CCR Placement and Compaction at Landfill | | | | | |
| QA/QC of CCR Placement and Compaction at Landfill | | | | | |
| Subtotal | | | | 95,080,000* | |
| | | | | | |
| Cleanout / Maintenance (Haul Roads, Ponds, LCS, Underdrain, and Landfill) | | | | | |
| Sediment Basin & Leachate Pond Cleaning / Maintenance | | | | | |
| Haul Road Maintenance | | | | | |
| Leachate System and Underdrain System Cleanout | | | | | |
| Landfill Maintenance | | | | | |
| Leachate Pump Station Operation and Maintenance | | | | | |
| Subtotal | | | | 20,240,000 | |
| | | | | | |
| Dust Control | | | | | |
| | | | | | |
| Total Additional O&M Costs | | | | 126,820,000 | |

* In the Alternatives Analysis, the costs for (a) CCR Placement and Compaction at Landfill and (b) QA/QC of CCR Placement and Compaction at Landfill were rounded to and respectively, before computing a total CCR Placement, Compaction, Survey, and QA/QC cost of \$95,085,600.

- i. See response to part e above.

Attachment Confidential

The entire attachment is
Confidential and
provided separately
under seal.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 6

Witness: R. Scott Straight / Gary H. Revlett

- Q-6. The Companies have stated or suggested that there is cost data that would be considered by the Commission in this proceeding that should not be considered by, or is irrelevant to, the Corps of Engineers' consideration of the economic portion of a LEDPA 404 comparative alternatives analysis. Is there any cost data the Companies believe should or would be considered by the Corps that should not be considered by the Commission in determining the least cost comparative alternative in a CPCN determination?
- A-6. This question conflates the Commission's process for evaluating a certificate of public convenience and necessity ("CPCN") and the U.S. Army Corps of Engineers' ("Corps of Engineers") process for evaluating an Alternatives Analysis required as part of a Clean Water Act Section 404 permit. As discussed at length in the direct testimony of John N. Voyles, Jr. and under Commission precedent, the preeminent consideration in a CPCN proceeding is whether the proposed project is a least-cost and feasible solution.

With respect to the Ghent and Trimble County landfills, the Companies demonstrated least cost by showing the PVRR for the proposed projects as compared to the numerous alternatives that were considered. One of the Corps of Engineers' preeminent considerations in an Alternatives Analysis is whether the proposed project is the least environmentally damaging practicable alternative ("LEDPA") to achieve the project's purpose. Costs are therefore treated differently due to these critical distinctions between the CPCN evaluation and LEDPA evaluation. Although cost and feasibility are the primary focus of a CPCN proceeding, cost is only one factor in determining whether an alternative is practical for purposes of the LEDPA proceeding.

The Companies explained the approach used for evaluation of costs as a component of whether an alternative was deemed practicable under the Clean Water Act Section 404 Guidelines in Appendix III.D-1 "Methods for Assessment of Costs" to the Supplement to Alternatives Analysis. The cost data presented to the Corps of Engineers in the Supplement to Alternatives Analysis was not presented in a PVRR type of analysis. In general, both the Corps of Engineers and Commission would consider cost data that is significant to determining the relative costs among alternatives. However, the cost analysis submitted to the Corps of Engineers is not a PVRR analysis that is typically prepared for the Commission in a CPCN proceeding.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 7

Witness: R. Scott Straight / Gary H. Revlett

- Q-7. Please identify the source on which the Companies are basing their decision on which costs of the Trimble Landfill should and should not be considered by the Corps of Engineers' consideration of the economic portion of a LEDPA 404 comparative alternatives analysis.
- A-7. See the response to Question No. -6. This question similarly conflates the Commission's process for evaluating a CPCN and the Corps of Engineer's process for evaluating Alternatives Analysis required as part of a Clean Water Act Section 404 permit.

The Companies' rationale as to the comparable alternative costs that were presented to the Corps of Engineers is set forth in Appendix III.D-1 of the Supplement to Alternatives Analysis. The basis for that analysis is the 404(b)(1) Guidelines at 40 CFR Part 230, the preamble to the Guidelines, and Corps of Engineers' interpretative memoranda. The Companies provided the Corps of Engineers with the information deemed necessary for determining which alternatives were "practicable" as that term is defined in the 404(b)(1) Guidelines.

The 404(b)(1) Guidelines do not specify how costs are to be considered, but suggest that detailed economic analyses are not necessarily required:

Our intent is to consider those alternatives which are reasonable in terms of the overall scope/cost of the proposed project. The term economic [for which the term 'cost' was substituted in the final rule] might be construed to include consideration of the applicant's financial standing, or investment, or market share, a cumbersome inquiry which is not necessarily material to the objective of the Guidelines.

45 Fed. Reg. 85,339 (Dec. 24, 1980). Thus, to the extent costs are relevant to the practicability determination, the Corps of Engineers need only determine whether the project cost is substantially greater than the cost normally associated with the particular type of project at issue. Memorandum to the Field Re: Appropriate Level of Analysis Required for Evaluating Compliance with the Section 404(b)(1) Guidelines Alternative Requirements, August 23, 1993.

For its Supplement to Alternative Analysis, the Companies determined the approach of presenting capital and annual operating costs over the life of the project based upon gross costs and current projected dollars provides a fair comparison of relevant costs among alternatives and best accommodates the Corps of Engineers' obligation to independently verify the information provided by the applicant. The Companies' analysis highlighted for the Corps of Engineers areas in which the costs differed among the alternatives while providing the Corps of Engineers with a straightforward and consistent means of comparison among a large number of alternatives that takes into account both capital costs and operating and maintenance costs over a project life that was assumed to be the same for all alternatives.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 8

CONFIDENTIAL INFORMATION REDACTED

Witness: R. Scott Straight / Gary H. Revlett

- Q-8. Please identify which cost information detailed in the "[REDACTED]" Worksheet or the "[REDACTED]" Worksheet that should not be considered by, or is irrelevant to the economic portion of a LEDPA 404 comparative alternatives analysis. Provide support and documentation for your answer.
- A-8. See the response to Question Nos. 6 and 7.

Any cost items that were not included in the cost analysis for the case study alternatives in the Supplement to Alternatives Analysis were excluded for the reasons stated in Appendix III.D-1 of the Supplement and in the response to Question No. 7. The request for information requires original work to compile the data. The record in this proceeding has the data necessary for Sterling Ventures to identify the information responsive to this request.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 9

Witness: Robert M. Conroy

- Q-9. Please see Attachment D to this Supplemental Data Request in reference to the following question.
- a. Is it the position of the Companies that any of the information or projections in Attachment D for any future year would be confidential? If so, please explain in detail the basis of the Companies' claim for confidentiality by description and/or year. By way of example, would the Companies' claim the same information as listed in Attachment B for the year 2020 would be confidential?
 - b. Was each year's calculation of the projected annual revenue requirement ("Projected E(m)") based on the following formula?
$$E(m)=[(RB) (ROR+(ROR-DR)(TR/1-TR))]+OE$$
, where
E(m) = Projected Total Revenue Requirement
RB = Projected Environmental Compliance Rate Base
ROR = Projected Rate of Return on Environmental Compliance Rate Base
DR = Projected Debit Rate
TR = Projected Federal & State Income Tax Rate
OE = Projected Operating & Maintenance Expenses
 - c. Will using the above formula result in an appropriate and/or accepted method of calculating the annual Projected E(m) of a project? If not, please explain in detail your answer.
 - d. Was Attachment D an appropriate calculation and/or method of calculating the Projected E(m) of the project? If not, please explain in detail your answer.
 - e. Assuming KU wanted a projected present value of the annual revenue requirements (PVRR) of Phase I of the Ghent Landfill project limited to years 2009 through 2018, would applying a present value calculation to the E(m) for the years 2009 through 2018 in Attachment D result in a PVRR determination for Phase I of the Ghent Landfill? If not, please explain in detail your answer.

- f. If the Companies' answer to e. above is yes, would the calculated PVRR be confidential? If yes, please explain in detail your answer.
 - g. If the Companies' answer to e. above is yes, and assuming the Companies had extended Attachment C to project the E(m) of all years and/or all phases of the Ghent Landfill project, would applying a present value calculation to the E(m) for all of the years of the project provide a projected PVRR for all phases of the Ghent Landfill? If not, please explain in detail your answer.
 - h. If the Companies' answer to g. above is yes, would the calculated PVRR be confidential? If yes, please explain in detail your answer.
 - i. Do the Companies have the ability to calculate or determine the information on Attachment D for all projected phases of the Ghent and Trimble County landfills from the start of each project through the period that ratepayers would be billed under the ECR surcharge for each project?
 - i. If yes, please provide the information in the format of Attachment D in an Excel Workbook with all cell formulas and linkages intact, with the information as set forth in Attachment C for the period that ratepayers would be billed under the ECR surcharge for the Ghent and Trimble County landfills, assuming Base Generation and Beneficial Use will occur as set forth in Attachment to SV 1-14_TCOffsiteStorage.xlsx.
 - ii. If no, please explain why the Companies do not have the ability to calculate or determine the information on Attachment D for all projected phases of the Ghent and Trimble County landfills from the start of each project through the period that ratepayers would be billed under the ECR surcharge for each project.
- A-9.
- a. The referenced Attachment D and Attachment B come from two separate spreadsheets and are used for completely different purposes. Thus it is not a valid comparison from a confidentiality perspective. Information provided in Attachment D is typically provided for a specific project included in a request for recovery through the ECR mechanism and provides the estimated customer bill impact for individual environmental compliance projects. The information contained in Attachment B comes from the Companies detailed PVRR models and includes detailed computations and methodology as described in the response to part d below. As such, the contents of the entire spreadsheet are considered confidential since having the spreadsheet would provide an unfair advantage to any potential RFP recipient. Data contained in Attachment B would be considered confidential if relevant to a relatively recent evaluation.
 - b. The formula provided above is missing a parenthesis. Annual E(m) for a project was developed using the following formula:

$$E(m) = [(RB) (ROR + (ROR - DR) (TR / (1-TR)))] + OE$$

RB = Environmental Compliance Rate Base

ROR = Rate of Return on Environmental Compliance Rate Base

DR = Debt Rate (both short-term and long term debt)

TR = Composite Federal & State Income Tax Rate

OE = Pollution Control Operating Expenses

- c. The referenced formula is specific to the determination of E(m) as it relates to the Environmental Cost Recovery Mechanism and is appropriate to determine revenue requirement for the purpose of determining the ECR billing factor.
- d. Yes. The spreadsheet referenced in Attachment D is appropriate in determining total E(m) for individual environmental compliance projects. The spreadsheet does not have the capability of incorporating other generation system variables and operational risks that must be considered when evaluating the PVRR of multiple projects when determining the least cost option.
- e. It would not be appropriate to look only at years 2009 through 2018 in determining PVRR for Phase 1 of the Ghent Landfill. PVRR should be determined using the project spend profile and life of the project being evaluated utilizing the detailed models as discussed in the testimony of David S. Sinclair. The purpose of the spreadsheet referenced in Appendix D is to calculate the estimated annual impact on Total E(m), Jurisdictional E(m), and the incremental billing factor associated with the inclusion of the projects contained in the 2009 ECR Plan in the ECR mechanism over a five-year period. The incremental billing factor was used to estimate the bill impact only for purposes of providing the Companies' customers with public notice of the proposed change in rates.
- f. Not applicable.
- g. Not applicable.
- h. Not applicable.
- i. It is not appropriated to utilize the spreadsheet referenced in Appendix D for the purpose stated in the data request. The Companies have not requested approval from the Commission for a project associated with additional phases of the Ghent and Trimble County landfills. Therefore, the calculations for the bill impact have not been prepared. As previously stated, the purpose of the spreadsheet referenced in Appendix D is to calculate the estimated annual impact on Total E(m), Jurisdictional E(m), and the incremental billing factor associated with the inclusion of the projects contained in the 2009 ECR Plan in the ECR mechanism over a five-year period. The incremental billing factor was used to estimate the bill impact only for purposes of providing the Companies' customers with public notice of the proposed change in

rates. At such time as the Companies seek recovery of additional phases for the Ghent and Trimble County landfills from the Commission, the appropriate bill impact calculations will be prepared.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 10

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair

- Q-10. Please provide the source formula, inputs, and/or assumptions that were used to calculate the amounts in [REDACTED] Worksheet in Attachment to SV 1-17d (2012SVAnalysis).xlsx, and explain the use of the indicated book life periods as compared to the 2.79% book depreciation rate used in Attachment D to this Supplemental Data Request.
- A-10. See the table provided on the following page. The values in rows 39 and 42 are revenue requirement “profiles” and were developed using the Capital Expenditure and Recovery module of Strategist. The values in row 39 are capital revenue requirements as a percentage of any capital investment with a 12-year book life, a 20-year tax life, and a one-year construction period beginning in January, which was the assumed commissioning month for the Ghent landfill. The values in row 39 are similar to those in row 36 except a 24-year book life is assumed.

In February 2012, the Companies compared the cost of storing gypsum in the proposed Ghent landfill to the cost of transporting the gypsum to the Sterling Ventures mine. For the landfill alternative, capital revenue requirements for the landfill were computed using a 12-year book life (8.33% book depreciation rate), which was based on the expected utilization of each landfill phase. Because the Sterling Ventures alternative extended the life of each landfill phase, capital revenue requirements for the landfill were computed using a 24-year book life (4.17% book depreciation rate) in the Sterling Ventures alternative.

For Attachment D to Sterling Venture’s Supplemental Data Request, landfill capital costs were depreciated for book purposes at 2.79% per year (approximately 36 years), which reflects the Average Service Life (“ASL”) depreciation method used by the Companies in setting rates.

While the assumed book life can have a material impact on revenue requirements in any given year, it does not have a material impact on the present value of capital revenue requirements. The table below contains the abovementioned revenue requirement profiles along with a comparable profile with a 36-year book life. For the profile with a shorter book life, the first years’ revenue requirements are naturally greater while the

later years' revenue requirements are lower. However, the difference in the present values of all capital revenue requirements is less than 1% for all of the profiles.

Revenue Requirement Profiles

| Year | Strategist Revenue Requirement Profile* | | | Revenue Requirement (\$1 M Investment; \$000s) | | | % Difference |
|------|---|-------------------|-------------------|--|-------------------|-------------------|--|
| | 12 Year Book Life | 24 Year Book Life | 36 Year Book Life | 12 Year Book Life | 24 Year Book Life | 36 Year Book Life | 12-Year Book Life versus 36-Year Book Life |
| 1 | 0.090 | 0.090 | 0.090 | 90 | 90 | 90 | 0.0% |
| 2 | 0.178 | 0.139 | 0.125 | 178 | 139 | 125 | 41.6% |
| 3 | 0.170 | 0.133 | 0.121 | 170 | 133 | 121 | 40.4% |
| 4 | 0.162 | 0.128 | 0.117 | 162 | 128 | 117 | 38.9% |
| 5 | 0.154 | 0.123 | 0.113 | 154 | 123 | 113 | 37.3% |
| 6 | 0.147 | 0.118 | 0.109 | 147 | 118 | 109 | 35.5% |
| 7 | 0.140 | 0.114 | 0.105 | 140 | 114 | 105 | 33.5% |
| 8 | 0.133 | 0.109 | 0.101 | 133 | 109 | 101 | 31.3% |
| 9 | 0.126 | 0.105 | 0.098 | 126 | 105 | 98 | 28.9% |
| 10 | 0.119 | 0.100 | 0.094 | 119 | 100 | 94 | 26.4% |
| 11 | 0.112 | 0.096 | 0.091 | 112 | 96 | 91 | 23.6% |
| 12 | 0.105 | 0.092 | 0.087 | 105 | 92 | 87 | 20.6% |
| 13 | 0.099 | 0.088 | 0.084 | 99 | 88 | 84 | 17.4% |
| 14 | 0.013 | 0.083 | 0.081 | 13 | 83 | 81 | -83.8% |
| 15 | 0.011 | 0.079 | 0.077 | 11 | 79 | 77 | -85.4% |
| 16 | 0.010 | 0.075 | 0.074 | 10 | 75 | 74 | -87.0% |
| 17 | 0.008 | 0.070 | 0.070 | 8 | 70 | 70 | -88.9% |
| 18 | 0.006 | 0.066 | 0.067 | 6 | 66 | 67 | -90.9% |
| 19 | 0.004 | 0.062 | 0.063 | 4 | 62 | 63 | -93.1% |
| 20 | 0.003 | 0.057 | 0.060 | 3 | 57 | 60 | -95.7% |
| 21 | 0.001 | 0.053 | 0.057 | 1 | 53 | 57 | -98.5% |
| 22 | 0.000 | 0.050 | 0.054 | 0 | 50 | 54 | -100.0% |
| 23 | 0.000 | 0.047 | 0.052 | 0 | 47 | 52 | -100.0% |
| 24 | 0.000 | 0.045 | 0.051 | 0 | 45 | 51 | -100.0% |
| 25 | 0.000 | 0.042 | 0.049 | 0 | 42 | 49 | -100.0% |
| 26 | 0.000 | 0.000 | 0.047 | 0 | 0 | 47 | -100.0% |
| 27 | 0.000 | 0.000 | 0.045 | 0 | 0 | 45 | -100.0% |
| 28 | 0.000 | 0.000 | 0.044 | 0 | 0 | 44 | -100.0% |
| 29 | 0.000 | 0.000 | 0.042 | 0 | 0 | 42 | -100.0% |
| 30 | 0.000 | 0.000 | 0.040 | 0 | 0 | 40 | -100.0% |
| 31 | 0.000 | 0.000 | 0.039 | 0 | 0 | 39 | -100.0% |
| 32 | 0.000 | 0.000 | 0.037 | 0 | 0 | 37 | -100.0% |
| 33 | 0.000 | 0.000 | 0.035 | 0 | 0 | 35 | -100.0% |
| 34 | 0.000 | 0.000 | 0.033 | 0 | 0 | 33 | -100.0% |
| 35 | 0.000 | 0.000 | 0.032 | 0 | 0 | 32 | -100.0% |
| 36 | 0.000 | 0.000 | 0.030 | 0 | 0 | 30 | -100.0% |
| 37 | 0.000 | 0.000 | 0.028 | 0 | 0 | 28 | -100.0% |
| | | | PVRR | 1,203 | 1,208 | 1,212 | -0.7% |

*All profiles reflect a 20-year tax life.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 11

Witness: David S. Sinclair

- Q-11. Please refer to pages 7 and 8 of John Walters's pre-filed testimony and explain in detail the cause of the differences between the referenced attachments of his testimony for the years in question.
- A-11. See response to Question No. 10. For clarification, in line 11 at page 7 of his testimony, Mr. Walters claims that the capital portion of the 2013 annual revenue requirements in Appendix C to his direct testimony is \$36,815,000. This is the capital portion of annual revenue requirements in 2014, not 2013. The 2013 value is \$36,103,000.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 12

Witness: John N. Voyles / Robert M. Conroy

- Q-12. Are the Companies planning to generate revenues by selling space in the Trimble County or Ghent Landfills to any non-affiliated party, or will the Companies in any way be competing with a non-affiliated commercial landfill company for CCR or other waste disposal?
- a. If no, please explain how public disclosure of any cost component of the Ghent or Trimble County landfills, or the public disclosure of the projected PVRR calculation for the Ghent or Trimble County landfill projects, would result in an unfair commercial advantage to the Companies' competitors.
 - b. If yes, please describe the Companies plans for selling space in the landfills and/or competing with third party commercial landfills.
- A-12. No. The Companies are not planning to sell space in the Trimble County or Ghent Landfill or to compete with a non-affiliated commercial landfill.
- a. The Companies seek confidential treatment of commercially sensitive information in order to protect the Companies and their customers during future negotiations with non-affiliated third parties. As discussed in the Companies' petitions for confidential protection, public disclosure of commercially sensitive information would provide potential future bidders with information that could be used to the detriment of the Companies, thereby resulting in proposals and contracts impaired by knowledge of the commercially sensitive information. A potential vendor or contractor could propose bids and negotiate for contracts that represent this knowledge and not their true best offer. Ultimately, publicly disclosing commercially sensitive cost information and details of the Companies' evaluation contracts could prevent the Companies from obtaining the best possible proposals and contract terms, thereby increasing the Companies' costs and ultimately their customers' bills.
 - b. Not applicable.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 13

Witness: John N. Voyles / Robert M. Conroy

- Q-13. Attachment E to this Supplemental Data Request is the Coal Combustion Residuals Plan for E.W. Brown dated May 2011 and disclosed to the Commission in Case No. 2011-00161.
- a. If known to the Companies, please provide details of specific instances of the Companies' competitors gaining an unfair competitive advantage because of the Companies' decision not to claim confidentiality with respect to projected costs and PVRR analysis for the Brown landfill alternatives considered.
 - b. If there are no known specific instances of competitors gaining an unfair advantage, please explain, and discuss in detail how the information disclosed in Attachment D could be used by a competitor of the Companies to gain an unfair advantage over the Companies with respect to operations, earnings, pricing or sales.
- A-13. a. The Companies are not aware of specific instances where their competitors gained an unfair competitive advantage because of a decision not to claim confidentiality of the document titled: "Coal Combustion Residuals Plan for E.W. Brown dated May 2011". The Companies are acutely aware of the risks posed by publicly disclosing commercially sensitive information and therefore take great care to ensure that such information is not publicly disclosed. The Companies believe the document "Coal Combustion Residuals Plan for E.W. Brown dated May 2011" does not contain such information.
- b. Attachment D referenced in this request does not contain the same document marked as Attachment E to Sterling Ventures' Supplemental Data Requests and is titled: "Coal Combustion Residuals Plan for E.W. Brown dated May 2011." Attachment D to the Sterling Ventures Supplemental Data Request and referenced in Sterling Ventures Question No. 13(b) is a spread sheet marked "Attachment_to_SV_1-2a_and_g_(ECR_Bill_Impact_Final)(Print Version)KU-Project 30" that was used to calculate the bill impact of the proposed ECR project. As explained in the testimony of Mr. Conroy, reliance on those Excel files is misplaced because those files do not contain the modeling the Companies use to evaluate various alternatives for a project,

which modeling has been presented to the Commission in the Companies' CPCN cases and endorsed by Commission Staff in the Companies' Integrated Resource Plans for at least two decades.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 14

Witness: David S. Sinclair

- Q-14. Please provide the assumed tax and book depreciation rates/percentages for the Trimble Landfill used in each of the Workbooks listed in question 2 above.
- A-14. The revenue requirement profiles used to compute capital revenue requirements in each of the workbooks referenced in Question No. 2 were developed using the Capital Expenditure and Recovery module of Strategist (“CER Module”). These profiles are contained in the “RRProfile” worksheet of each workbook. Tax and book depreciation rates/percentages are not an input to the CER module. Instead, the CER module computes these values based on the user-specified book life, book depreciation method, tax life, and tax depreciation method.

The following depreciation assumptions were used to compute all of the revenue requirement profiles in the workbook containing the analysis summarized in response to PSC 1-18 (Attachment to PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx):

1. Book Life – 40 Years
2. Book Depreciation Method – Straight-Line
3. Book Depreciation Rate – 2.5%
4. Tax Life – 12 Years
5. Tax Depreciation Method – MACRS 150% Declining Balance

The resulting tax depreciation rates are listed in the following table.

Tax Depreciation Rates – Analysis Provided in Response to PSC 1-18

| Year | Tax |
|------|--------|
| 1 | 6.25% |
| 2 | 11.72% |
| 3 | 10.25% |
| 4 | 8.97% |
| 5 | 7.85% |
| 6 | 7.33% |
| 7 | 7.33% |
| 8 | 7.33% |
| 9 | 7.33% |
| 10 | 7.33% |
| 11 | 7.33% |
| 12 | 7.33% |
| 13 | 3.66% |

The following table summarizes the depreciation assumptions used to compute the revenue requirement profiles in the workbook containing the Companies February 2015 analysis of the Trimble County landfill and Sterling Ventures alternatives (Attachment to SV 1-14_TCOffsiteStorage_REDACTED.xlsx).

Depreciation Assumptions – February 2015 Analysis

| Revenue Requirement Profile | Book Life | Book Depreciation Method | Book Depreciation Rate | Tax Life | Tax Depreciation Method | Applicable Capital Costs |
|-----------------------------|-----------|--------------------------|------------------------|----------|------------------------------|-----------------------------|
| TC_LF1 | 37 | Straight-Line | 2.7% | 20 | MACRS 150% Declining Balance | Landfill Phase 1 |
| TC_LF2 | 31 | | 3.2% | 20 | | Landfill Phase 2 |
| TC_LF3 | 23 | | 4.3% | 10 | | Landfill Phase 3 |
| TC_LF4 | 12 | | 8.3% | 5 | | Landfill Phase 4 |
| TC_CCRT | 37 | | 2.7% | 20 | | CCR Treatment and Transport |
| OneYr | 40 | | 2.5% | 20 | | Landfill Cover |

Note: The “RRProfile” worksheet in the “Attachment to SV 1-14_TCOffsiteStorage_REDACTED.xlsx” workbook contains additional revenue requirement profiles, but the additional profiles were not utilized in the February 2015 analysis.

The resulting tax and book depreciation rates/percentages for each revenue requirement profile are listed in the following two tables.

Tax Depreciation Rates – February 2015 Analysis

| Year | Revenue Requirement Profile | | | | | |
|------|-----------------------------|--------|--------|--------|---------|-------|
| | TC_LF1 | TC_LF2 | TC_LF3 | TC_LF4 | TC_CCRT | OneYr |
| 1 | 3.75% | 3.75% | 7.50% | 15.00% | 3.75% | 3.75% |
| 2 | 7.22% | 7.22% | 13.88% | 25.50% | 7.22% | 7.22% |
| 3 | 6.68% | 6.68% | 11.79% | 17.85% | 6.68% | 6.68% |
| 4 | 6.18% | 6.18% | 10.02% | 16.66% | 6.18% | 6.18% |
| 5 | 5.71% | 5.71% | 8.74% | 16.66% | 5.71% | 5.71% |
| 6 | 5.28% | 5.28% | 8.74% | 8.33% | 5.28% | 5.28% |
| 7 | 4.89% | 4.89% | 8.74% | | 4.89% | 4.89% |
| 8 | 4.52% | 4.52% | 8.74% | | 4.52% | 4.52% |
| 9 | 4.46% | 4.46% | 8.74% | | 4.46% | 4.46% |
| 10 | 4.46% | 4.46% | 8.74% | | 4.46% | 4.46% |
| 11 | 4.46% | 4.46% | 4.37% | | 4.46% | 4.46% |
| 12 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 13 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 14 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 15 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 16 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 17 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 18 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 19 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 20 | 4.46% | 4.46% | | | 4.46% | 4.46% |
| 21 | 2.23% | 2.23% | | | 2.23% | 2.23% |

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 15

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair

- Q-15. In Attachment to PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx, please explain the amounts entered into cells [REDACTED]
[REDACTED]
[REDACTED] Worksheet. Please provide copies of all calculations, work papers, spreadsheets and any other documents supporting the change in your answer. Please specifically explain why this cost should be included as a cost of the Sterling alternative ([REDACTED])
- A-15. In the "[REDACTED]" worksheet, cells M25:O25 contain the estimated cubic yards of material required to cap and close the Trimble County bottom ash pond. Cells M26:O26 contain the estimated cubic yards of material that would be required to cap and close the Trimble County gypsum storage pond. Cells M71:O71 contain the cost of material required to cap and close the bottom ash pond. The model does not assume that the Companies will be required to close the gypsum storage pond so the costs in cells M72:O72 are zero. The costs in cells M71:O71 of the "[REDACTED]" worksheet are included in the summary cost values in cells I14:K14 of the "[REDACTED]" worksheet.

The risk and cost of having to close an existing CCR storage facility is the same for both the landfill and Sterling Ventures alternatives. As a result, the inclusion of these costs has no impact on the PVRR difference between the alternatives.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 16

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair

Q-16. Please explain the reason for [REDACTED] between the three fuel burn toggles on the "Summary" Worksheets in SV 1-14_TCOffsiteStorage_REDACTED.xlsx ([REDACTED]) and the three toggles for fuel burn in SV 1-14_TCOffsiteStorage_REDACTED.xlsx ([REDACTED]). Please provide copies of all calculations, work papers, spreadsheets and any other documents supporting the change in your answer.

A-16. The "Attachment to SV 1-14_TCOffsiteStorage_REDACTED.xlsx" workbook contains the Companies' February 2015 analysis of the Trimble County landfill and Sterling Ventures alternatives. This analysis considered three fuel burn scenarios: Low Fuel Burn ("Low Generation"), 2015 Plan ("Base Generation"), and 908K Cubic Yards ("High Generation").

In PSC 1-18, the Commission asked the Companies to provide a side-by-side comparison of the most current annual costs in 2014 dollars of the landfill option and the Sterling Ventures alternative. The most current annual costs for the landfill alternative are included in the Companies' May 2015 analysis that compared the landfill alternative to the costs of retiring the Trimble County coal units and replacing the capacity with NGCC units. In this analysis, the landfill and retirement alternatives were evaluated under three gas price scenarios with limits on CO2 emissions consistent with the EPA's 2014 Clean Power Plan proposal. In total, this analysis considered six fuel burn scenarios:

1. LGNoRBL2 – Low Gas Price, No Retirement
2. BGNoRBL2 – Mid Gas Price, No Retirement
3. HGNoRBL2 – High Gas Price, No Retirement
4. LGR20BLC2 – Low Gas Price, Retire Trimble County Coal Units
5. BGR20BLC2 – Mid Gas Price, Retire Trimble County Coal Units
6. HGR20BLC2 – High Gas Price, Retire Trimble County Coal Units

To develop a response to PSC 1-18, the Companies added the Sterling Ventures alternative to the workbook containing the May 2015 analysis since the May 2015

analysis had the most current annual costs for the landfill. The comparative PVRR analysis then focused on the three “No Retirement” fuel burn scenarios considered in the May 2015 analysis. In summary, the change in fuel burn scenarios from the February 2015 analysis was driven by the PSC 1-18 data request.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 17

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair

- Q-17. Please explain the reasons for the differences between the amounts entered into Rows 14 through 17 and 19 through 20 in the "[REDACTED]" of Worksheets of SV 1-14_TCOffsiteStorage_REDACTED.xlsx and PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx. Please provide copies of all calculations, work papers, spreadsheets and any other documents supporting the change in your answer.
- a. Please provide the source formulas, inputs and/or assumptions that were used to calculate the amounts in the cells of the above [REDACTED] Worksheets.
- A-17. The "Attachment to SV 1-14_TCOffsiteStorage_REDACTED.xlsx" workbook contains the Companies' February 2015 analysis of the Trimble County landfill and Sterling Ventures alternatives. The "Attachment to PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx" workbook contains the analysis summarized in response to PSC 1-18. The differences referenced in the "[REDACTED]" worksheets are explained by changes in depreciation assumptions (see response to Question No. 14) and changes in capital spend profiles.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 18

Witness: John N. Voyles / R. Scott Straight

- Q-18. Did the Companies solicit any bids or issue any requests for proposals to third parties for alternatives to building the Trimble County Landfill?
- a. If yes, please confirm that Sterling Ventures was not included in the list of bidders for alternatives to building the Trimble County Landfill.
 - b. If no, please explain why the Companies did not solicit any bids or issue any requests for proposals to third parties soliciting alternatives to building the Trimble Landfill.
- A-18. The Companies did not solicit bids or issue requests for proposals to third parties for alternatives to building the Trimble County Landfill. However, the Companies are soliciting competitive bids to design and construct the CCRT and Landfill scopes of Phase I of the Landfill.

The process used by the Companies is consistent with all previous evaluations of CCR storage facility needs and meets the requirements for placement of CCR materials under federal and state environmental regulations. With respect to this project, the Companies evaluated twenty-six potential CCR storage alternatives on existing Trimble County Station property and the surrounding areas, which included off-site commercially owned options, during an Initial Siting Study. The data associated with the twenty-six potential CCR storage alternatives was obtained from a third-party professional consulting firm with expertise and experience in this matter. From these twenty-six, nine scenarios were examined in greater detail, which included developing scope of work estimates and net present value evaluations. A competitive bidding process was not necessary to re-assess these costs because (1) the Companies obtained reasonable cost data associated with off-site commercially owned option through an independent professional consultant and (2) based on their prior experience in evaluating landfills and other types of CCR storage facilities, the Companies reasonably believed onsite CCR storage was necessarily lower cost than the cost to transport that material and then store the material elsewhere. This is because the Companies' construction costs for storage facilities are similar to that of third parties, and the incremental costs associated with transporting and handling CCR, whether by truck, barge, or a combination thereof, necessarily increases the offsite

storage costs as compared to the costs of onsite option without comparable transportation costs.

The information the Companies considered during this thorough process, which included balancing costs and rate impacts, is similar to the information obtained through a request for proposal process. The Commission, as well as the interveners in Case Nos. 2009-00197 and 2009-00198, examined the Companies' presentation of the alternatives in connection with their application for the CPCN to construct the Trimble County Landfill and recover the cost of Phase I of the Trimble County Landfill through the ECR mechanism. The Companies expect that had the Commission, or the interveners, in the course of evaluating this evidence, challenged this evidence or otherwise determined such evidence was insufficient on the basis that formal bids or requests for proposals were required to assess the alternatives, such a request would have been made.

The Companies' process in evaluating alternatives was consistent with the Companies' established Comprehensive Strategy for Management of Coal Combustion Byproducts. The policy explains that the three primary management alternatives for disposing of CCR are landfills, surface impoundments, and beneficial reuse. The Companies' experience has shown there are insufficient amounts of economical and environmentally responsible beneficial use projects. In order to maintain assurance that sufficient storage capacity exists, construction of onsite landfills or impoundments or utilization of municipally or commercially owned landfills is inevitably required -- even with an aggressive CCR beneficial use/reuse program.

In order to strike the best balance, the Companies construct landfills in phases, so that the Companies can be assured that sufficient storage capacity exists at the time the capacity is needed, but can aggressively utilize beneficial reuse or use opportunities to defer additional phases of the landfills. The landfill itself, however, is the backstop infrastructure that ensures there is adequate capacity so that the operation of the coal-fired units is not adversely affected to the detriment of customers should beneficial use/reuse opportunities decrease or cease to exist.

- a. Not applicable.
- b. As explained above, the Companies considered twenty-six alternatives before determining that the Trimble County Landfill was the least-cost feasible option. Even though the Companies did issue a request for proposal regarding Trimble County, Sterling Ventures' offers regarding CCR disposal for Trimble County (as well as Ghent) were considered and evaluated by the Companies and were determined not to be least-cost, most feasible alternative to the Trimble County Landfill facility approved by the Commission in Case Nos. 2009-00197 and 2009-00198.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 19

Witness: David S. Sinclair / Gary H. Revlett / R. Scott Straight

- Q-19. Please refer to the Companies' response to Question 1 of the Commission Staff Initial Request for Information.
- a. The Companies have estimated one year of litigation following the issuance of permits necessary to build the Trimble Landfill. Please explain and provide the source and all documentation on which a one year litigation period is based.
 - b. If the permit applications necessary to build the Trimble Landfill are denied by the Corps of Engineers, or applicable state agency approvals are denied or delayed, what is the volume of CCR that would or could be placed in the Ghent Landfill before the Companies would be required to seek other offsite alternatives or alternative energy sources?
 - c. Please provide all contingency costing analysis done by the Companies in preparation for the possibility that permits necessary to build the Trimble Landfill are denied or delayed.
 - d. Please specifically describe the process by which CCR would be excavated from the BAP and/or GSP for transportation to another permitted landfill.
 - i. Would the transportation be by truck or have the Companies considered transportation by barge?
 - ii. What would be the moisture content of CCR excavated and transported from the BAP and/or GSP?
 - iii. Do the Companies remain liable for, and subject to penalties, under the CCR Final Rule if a non-affiliated commercial land improperly stores, uses, disposes or claims a beneficial use of the Companies' CCR?
 - e. What is the anticipated cost to transport CCR from Trimble County to the Ghent Landfill in the event that permitting necessary to build the Trimble Landfill are

denied by the Corps of Engineers, or applicable state agency approvals are denied or delayed?

- f. Have the Companies considered placing FGD gypsum from Ghent into Sterling's mine using Sterling's existing beneficial use permit prior to the effective date of the CCR Final Rule in order to keep Sterling's facility as an option in the event Sterling obtains a modified beneficial use permit for Trimble County's CCR, and the permits for the Trimble Landfill are denied or delayed? If not please explain why the Companies, given the cost of transporting CCR offsite to another landfill, have not considered this alternative. Please provide support and documentation for your answer.
- A-19. a. For planning purposes, the Companies estimated one year of litigation associated with issuance of the landfill permit, with such litigation to run concurrently with other landfill milestones. The one-year estimate reflects the time to obtain a final order from the Secretary following an administrative challenge before the Kentucky Energy and Environment Cabinet. It does not include time for any appeals, which were considered more speculative. The one-year estimate is based on the timelines specified in KRS 224.10-440 which provide deadlines for filing of a hearing officer's report and recommended order, exceptions, and final order of the Secretary, along with extensions.
- b. The current schedule for the proposed Trimble County Landfill is to commence CCR placement in 2018. Ghent CCR material began to be placed in the Ghent Landfill in 2014. The calculation in the attachment being provided in Excel format assumes that only Ghent CCR material is placed in the Ghent landfill from 2014 until 2018, at which point up to 910,000 cubic yards per year of Trimble County CCR material would need to be transported and placed in the Ghent Landfill as well if the Ghent landfill permit is modified to include CCR from Trimble County.

This calculation uses the production/landfill rates provided in Attachment 10 of the respective KDWM Special Waste Permit Applications for the Ghent and the Trimble County Landfills. These productions/landfill rates are provided in Tables 1 and 2 of the attached calculation. Table 3 summarizes the Ghent CCR production rates (estimated landfill rate from 2014-2018) and the combined CCR production rate of the Ghent and Trimble County Generating Stations (estimated landfill rate from 2018 until storage capacity is consumed). Table 4 summarizes the impacts to the Ghent Landfill storage capacity if Trimble County CCR is placed in the Ghent Landfill.

The above assumptions result in the following impacts to the Ghent Landfill site life and volumes of CCR material able to be stored in the Ghent Landfill.

- The site life of the Ghent landfill is estimated to be reduced to approximately 20 years, reaching capacity in 2034. Consistent with the Companies' established Comprehensive Strategy for Management of Coal

Combustion Byproducts and prudent planning, the Companies would need to begin exploring other CCR storage options in advance of 2034 in order to have another disposal alternative in place and ready to accept CCR – presumably for both Ghent and Trimble County CCR material – once the Ghent Landfill capacity is consumed.

- The total volume of Ghent CCR material estimated to be placed in the Ghent Landfill under this scenario is ~36.6 MCY.
- The total volume of Trimble County CCR material estimated to be placed in the Ghent Landfill under this scenario is ~14.8 MCY.

Also, as stated above, the Ghent KDWM Permit would need to be revised in order to accept Trimble County CCR.

- c. See the testimony of David S. Sinclair beginning at line 8 on page 16.
- d. Large excavators would be utilized to reclaim/excavate CCR from the BAP and/or GSP. The CCR would be placed in temporary stockpiles within BAP and GSP to allow the material to dewater in preparation for loading into trucks. Large front-end loaders would be utilized to load CCR into trucks for transportation. It is important to note that the new CCR Final Rule will likely require the closure of the Trimble County BAP and possibly the GSP.
 - i. The answer to this question depends upon whether CCR would be transported in this manner as a short-term or long-term solution. In a short-term scenario, it is likely that CCR would be transported to an offsite landfill by truck. In a long-term scenario, the Companies would evaluate the possibility of transporting CCR by barge to an offsite landfill. However, transportation by barge would require the installation of barge loading facilities and CCR transport equipment similar to those planned for the transport of CCR to the on-site landfill.
 - ii. CCR excavated from the BAP and/or GSP would likely be transported with moisture content in the range of 15 to 20 percent after dewatering by gravity. Note that it is difficult to drain moisture from fly ash by gravity due to its properties. The need for including dry fly ash handling systems in the CCRT scope is because Trimble County units currently sluice portions of fly ash to the BAP as noted in the Companies' response to question 9 of Sterling Venture's first data request.
 - iii. The Companies have taken and will continue to take appropriate steps to ensure that any CCRs transferred to third parties are managed in accordance with applicable rules and regulations including the CCR Final Rule. To the extent that such third parties mismanage the material and do not in fact beneficially use it, the Companies may have risk of a citizen suit. However, because the Companies determined the use of the materials and the mechanism for handling the material in fact qualified as exempt beneficial use, the Companies would have a very

strong defense to any such citizen suit in that they did not participate in actions that caused the non-compliance. With respect to the Sterling Ventures mine disposal plan alternative, the Companies have determined Sterling Venture's placement of CCR in the mine as proposed would be disposal in violation of the CCR Final Rule. Thus, the Companies would be at great risk in a citizen suit because the Companies would have sent CCR for disposal at a facility that they believed was not in compliance with the standards. Thus, liability could be sought for actions taken by the Companies in sending CCR off-site for disposal at a facility known to not meet disposal standards. See 42 U.S.C. § 6972(a)(1)(A) and 42 U.S.C. § 6945(a) (open dumping prohibition).

- e. The anticipated hauling cost to transport CCR material from the Trimble County Generating Station to the Ghent Landfill was estimated similarly to the hauling cost provided in the Supplement to Alternative Analysis Table III.D-4, line item 43 for the Valley View Alternative and described in the Unit Cost Development Table, Appendix III.D-1 (i.e. - 2012 dollars, no contingency, and no inflation).

The 2012 RS Means provides hauling costs for up to a 50 mile round trip haul in a cost per cubic yard. The round trip distance from the Trimble Generating Station to the Ghent Landfill is approximately 60 miles (30 miles one way). The unit cost for a 60 mile round trip was extrapolated using the information provided in RS Means. The unit cost estimated using this method is \$19.75/CY. It should be noted that the cost stated do not account for the cost associated with the excavation from the BAP and/or GSP or installation of certain components of the CCRT facility.

If the Trimble County Landfill Permits are delayed and CCR is transported to the Ghent Landfill, this would cost up to \$18 million per year of delay for the transportation.

- f. No. As explained in response to PSC 2-4, placement of some CCR, either Ghent gypsum or Trimble County CCR materials, in the Sterling Ventures Mine will not alter the fact that disposal of CCR in the mine in the future will be subject to the standards for new CCR landfills, which are admittedly not met by Sterling Ventures' disposal plan. So disposing of some amounts of CCR in Sterling Ventures' mine now would not change its status from that of a new CCR landfill going forward after October 19, 2015 if it were used for disposal of CCR generated at Ghent or Trimble Station. See the definition of "existing CCR landfill" at 40 CFR 257.3, the preamble to the CCR Final Rule at 80 Fed. Reg. 21358, and EPA's Frequent Questions About Implementing the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities Final Rule, July 8, 2015 at page 8.

Attachment in Excel

The attachment(s)
provided in separate
file(s) in Excel format.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 20

Witness: Gary H. Revlett

- Q-20. Would the Companies' use of CCR to fill or close ponds and existing surface impoundments be considered beneficial use under the CCR Final Rule?
- a. If yes, do the Companies currently have, or will they be required to get a beneficial use permit from the Kentucky Division of Waste Management for that beneficial use after the effective date of the CCR Final Rule?
 - b. Is it the position of the Companies that the Kentucky Division of Waste Management does not have the authority under the CCR Final Rule to require a beneficial use permit prior to beneficially using CCR?
 - c. Is it the Companies position that the current permit from the Kentucky Division of Waste Management to beneficially use CCR at Cane Run will no longer be valid after the effective date of the CCR Final Rule?
 - d. If the Companies do have, or will be required to obtain, beneficial use permits from the Kentucky Division of Waste Management, to use CCR in connection with closing or remediating existing ponds or surface impoundments, please explain the Companies position as to whether the beneficial use permit should or should not be relevant to a legal determination in a citizen's suit claiming the use of CCR to close ponds or surface impoundment is not a beneficial use under the CCR Final Rule.
 - e. What is the regulatory or statutory basis for recovery of penalties in a citizen's suit for violation of the CCR Final Rule?
- A-20. Yes, it would be considered beneficial use if the Company demonstrated compliance with the four criteria of the definition of beneficial use at 40 CFR 257.53. That is a fact specific determination. To the extent the Companies use of CCR to fill or close ponds and existing surface impoundments as beneficial use under the CCR Final Rule, customers will pay significantly lower costs for providing service than if the Companies did not use CCR and had to haul excessive amounts of soils from off-site locations.

- a. As the CCR Final Rule is distinct from the Kentucky Special Waste regulations, a beneficial reuse permit-by-rule or registered permit-by-rule would also be required from KDWM under the current state standards. The state beneficial reuse standards are not as stringent as the federal rule so a state beneficial reuse permit-by-rule or registered permit-by-rule would potentially be available even if the project did not qualify as beneficial use under the CCR Final Rule.
- b. The KDWM does not have any authority to require permits under the CCR Final Rule. The CCR Final Rule is self-implementing. As stated above, both the federal and state standards would independently apply. KDWM does have authority to require a beneficial reuse permit under the state standards of 401 KAR Chapter 45.
- c. No. KDWM beneficial reuse permits remain valid under state law. However, they do not authorize action under or determine compliance with the CCR Final Rule, which has more stringent federal criteria for the beneficial use exemption.
- d. A beneficial reuse permit issued under 401 KAR Chapter 45 as it currently exists would not be controlling as to a beneficial use determination under the CCR Final Rule. The state beneficial use regulation is not as stringent as in the CCR Final Rule. Therefore, the facts of the particular pond closure would have to be reviewed to determine if the federal beneficial use criteria are met in addition to the state beneficial reuse standards.
- e. The statutory basis is 42 U.S.C. § 6972. See preamble to CCR Final Rule, 80 Fed. Reg. 21302 for discussion of citizen suit authority.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 21

Witness: Gary H. Revlett

- Q-21. Do the Companies remain liable for, and subject to penalties, under the CCR Final Rule if Holcim, CertainTeed or any other third party beneficial user improperly stores, uses, disposes of or claims a beneficial use of the Companies' CCR? Please explain and document your answer.
- A-21. After issuance of the CCR Final Rule, the Companies evaluated the Holcim and CertainTeed contracts and confirmed that the activities under those contracts will qualify as beneficial use under the CCR Final Rule. To the extent any of those entities mismanage the material and do not in fact beneficially use it, the Companies may have some risk in a citizen suit. However, because the Companies determined the use of the materials and the mechanism for handling the material in fact qualified as exempt beneficial use, the Companies would have a very strong defense to any such citizen suit in that they did not participate in actions that caused the non-compliance. With respect to the Sterling Ventures mine disposal plan alternative, the Companies have determined Sterling Ventures' placement of CCR in the mine as proposed would be disposal in violation of the CCR Final Rule. Thus, the Companies would be at great risk in a citizen suit because the Companies would have sent CCR for disposal at a facility that they believed was not in compliance with the standards. Thus, liability could be sought for actions taken by the Companies in sending CCR off-site for disposal at a facility known to not meet disposal standards. See 42 U.S.C. § 6972(a)(1)(A) and 42 U.S.C. § 6945(a) (open dumping prohibition).

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 22

Witness: Gary H. Revlett

- Q-22. Provide the date, location, and time of all discussions or conversations between the Companies' personnel and any representative of any federal or state agency, including, but not limited to, the Kentucky Division of Waste Management ("DWM") and the U.S. Environmental Protection Agency ("EPA"), and any other participants related to CCR disposal or beneficial use at any of Sterling's mines.
- a. Provide the names of all people involved in those discussions, their employment positions or titles, and any notes of those discussions, and describe the substance of those discussions.
 - b. Provide copies of all correspondence between the Companies' personnel and any representative of any federal or state agency, including, but not limited to, DWM and EPA, and any other parties related to CCR disposal or beneficial use at any of Sterling's mines.
- A-22. Not until recently were there discussions or conversations about Sterling Ventures between the Companies and federal or state agencies. Prior to June 2015, all correspondence with these agencies was only associated with the Companies' responses to requests raised by EPA in their review of the Corps of Engineers 404 Permit for the Trimble County Special Waste Landfill. All of this earlier correspondence was written and has already become a part of the record.

In late June or very early July 2015, a representative of the Companies (Paul Puckett) had a phone conversation with Ms. Simpson of Corps of Engineers related to a document that was sent to Corps of Engineers by Sterling Ventures suggesting that the Companies had not considered their site in the alternatives analysis. Ms. Simpson asked the Companies during the phone conversation whether the response to comments, being prepared by the Companies, had provided any specific information related to Sterling Ventures. The Companies had not included anything specific to Sterling Ventures. During this conversation, Mr. Puckett also mentioned that the Companies were in the midst of addressing concerns from the PSC about the Sterling Ventures site and that the Companies would provide the Corps of Engineers with information gathered to address the PSC inquiry, but that such a document would be prepared only after the PSC work

was completed. On July 6, 2015 we received from the Corps of Engineers a copy of the correspondence sent by Sterling Ventures to the Corps of Engineers. This document has also previously been added to the record.

Upon reviewing the letter that Sterling Ventures sent to Corps of Engineers, the Companies were concerned that statements in the letter implied that the KDWM had made a determination of whether Sterling Ventures disposal of the Companies CCR material in their mine was beneficial use under EPA's new CCR regulations. Since KDWM has no jurisdiction over the implementation of the April 17, 2015 EPA federal rule, the Companies wanted to determine the accuracy and validity of Sterling Ventures' statements and also clarify KDWM position on beneficial use.

The following week (July 13th), after receiving the Sterling Venture letter sent to the Corps of Engineers, Gary Revlett, Director of Environmental Affairs called Tony Hatton, Director of KDWM. Director Hatton was out of the office and not expected to return until after Friday July 17th.

On July 17th, Michael Winkler, Environmental Manager had a brief conversation while at an event in Louisville, with Mr. Bruce Scott, Commissioner of Kentucky Department of Environmental Protection. Mr. Winkler asked him if he was aware that Sterling Ventures had filed a complaint with the PSC. Commissioner Scott was not aware of the complaint and a brief exchange of background information was provided by Mr. Winkler.

During the week of July 20th, Mr. Revlett made multiple attempts to reach Director Hatton by phone. On July 23rd, Mr. Revlett emailed Director Hatton and copied Commissioner Scott with the details of his questions concerning Sterling Ventures' statements on beneficial use of CCR waste in their mine site. A copy of this email was provided in Mr. Revlett's direct testimony.

On Monday July 27th, Director Hatton still had not returned to his office and Mr. Revlett called Commissioner Scott. Commissioner Scott had seen the email and he also was unsure when Director Hatton would return to his office. Commissioner Scott suggested that he would respond to the email. Later that day, Mr. Revlett received from Commissioner Scott an email in response to his questions.

On July 28th, after returning to work, Director Hatton called Mike Winkler. Director Hatton asked for more background information on Sterling Ventures' complaint to the KPCS and other correspondence they had with EPA and Corps of Engineers. Director Hatton asked Mr. Winkler to have Mr. Revlett call him. Mr. Revlett called Director Hatton later that day. During the phone call, Director Hatton expressed his concern that his staff had been misquoted. He asked if the PSC hearing date had been scheduled and asked Mr. Revlett to keep him informed of the compliant status as it moves forward.

No other conversations or discussions have occurred with either state or federal agencies related to CCR disposal or beneficial use at any of Sterling Ventures' mines.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 23

Witness: John N. Voyles / R. Scott Straight

Q-23. Please provide an analysis and discussion of any logistical hurdles that would prevent the Companies from using the Ghent Landfill, the new Trimble County GSP or the Trimble County BAP in the event of a temporary interruption in access to Sterling's mine. Please include in the analysis the number of years, including allowed extension, that the Trimble County BAP would be available to receive CCR under the CCR Final Rule.

A-23. Logistical hurdles associated with the scenario described in this question are as follows:

- If the Ghent Landfill was used to store Trimble County CCR during an interruption in access to Sterling Ventures' mine, the Companies would need approval from KDWM for a revision to the Ghent Landfill permit to accept CCR from Trimble County. The Companies would also be required to truck CCR from Trimble County to Ghent since there are currently no CCR barge unloading facilities at Ghent. The Companies have previously described the negative effects of trucking significant quantities of CCR on public roadways (~60 miles round-trip). Trucking significant quantities of CCR on public roadways creates significant safety and environmental concerns and adverse impacts on the local community given the frequency of CCR transport trucks.
- Due to existing permit conditions, the Trimble County GSP can only be used to store gypsum produced at Trimble County. The GSP cannot be used to store bottom ash or fly ash.

See the Companies response to PSC 1-12 for an explanation of the CCR Final Rule implications as it relates to short and long term CCR storage availability of the BAP and GSP. Also see the response to Question No. 19d.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 24

Witness: John N. Voyles / R. Scott Straight

- Q-24. Have the Companies considered in-place stabilization a section of the BAP and developing a CCR compliant landfill in that section of the BAP that could temporarily handle CCR, or could be used to stage CCR for beneficial use?
- a. If the answer is yes, is in-place stabilization of the BAP currently being considered or have the Companies determined that in-place impoundment stabilization is unfeasible. Please detail, document and explain your answer.
 - b. If the answer is no, please explain why in-place stabilization of a section of the BAP has not been considered.
- A-24. a. Yes, the Companies have considered and have used a relatively small partially stabilized section of the BAP for temporary storage in the past. This section of the BAP was used to temporarily store small quantities of bottom ash for a beneficial reuse application. However, this partially stabilized section of the BAP is not designed as a CCR Final Rule compliant landfill and any future use for temporary storage would be subject to the closure and/or storage requirements in the CCR Final Rule.
- b. The Companies have not considered developing a CCR Final Rule compliant landfill in a section of the BAP for the following reasons:
 1. The BAP would need to remain in-service in its current function (i.e. – receiving bottom ash, fly ash and gypsum slurry). Therefore, only a relatively small portion of the BAP can be stabilized in-place while allowing enough capacity in the remainder of the BAP to receive the sluiced CCR and to hold the process and rain water.
 2. The CCR Final Rule compliant landfill to be developed in the stabilized section of the BAP would have CCR storage capacity constraints due to the items listed in part b1 above.
 3. Developing a CCR landfill on a section of the BAP would require closure of a portion of the existing CCR impoundment (BAP) under the CCR Final Rule prior

to permitting and developing a CCR Final Rule and State of Kentucky compliant landfill.

4. Given the CCR storage capacity and permitting constraints, the cost implications of installing a relatively small CCR Final Rule compliant landfill within the BAP would make this alternative prohibitive and not least-cost.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 25

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair / R. Scott Straight

Q-25. Please refer to the Fenner Dunlop report. (See Attachment F to this Supplemental Data Request)

a. This Report proposes building a bridge style continuous unloading barge offloading facility of handling 3,000 tons per hour, which would provide the ability to unload 6,000,000 tons per year of CCR based on a 40 hour work week (4,500,000 tons per year at 75% efficiency). Please explain and provide all supporting documentation on the decision to construct a bridge style continuous unloading barge off-loading facility versus an excavator/clamshell bucket barge unloading facility.

b. Please provide the original cost, and year of construction, of the Companies' current excavator/clamshell bucket barge unloading facilities at its river plants, and the tons per hour capacity of each.

c. The Report indicates the cost of the required 8 barges and a tug at \$3,133,000. In the Workbooks referenced in question 2 above, the assumed cost for barges in calculating the Sterling Ventures alternative was \$ [REDACTED] (Attachment to PSC 1-18_UpdatedSV Analysis_REDACTED.xlsx., Worksheet cell at [REDACTED])

[REDACTED] Please provide all documentation supporting your answer.

A-25. a. The reason for assuming a bridge style continuous barge unloader was primarily due to having less inherent environmental risks associated with it when compared to an excavator/clamshell bucket unloader. A clamshell/scoop type configuration has a tendency to create fugitive dust due to the mechanical operation of the clamshell picking up and dropping the materials. Also, the clamshell style of unloader has a higher potential to spill material from the buckets while in operation.

Conversely, a continuous barge unloader causes less agitation of the material and therefore reduces fugitive dust emissions. Spills that do occur are generally inherently contained in these enclosures and are directed back into the barge and/or

hopper, thereby minimizing the amount of CCR material that would end up in the Ohio River.

There are ways to improve the dust control and spill prevention in a clamshell/scoop type configuration, but doing so would not be very cost-advantageous since additional infrastructure such as bases, platforms and substructure would be required to support the Crane/Sennebogen and additional ancillary equipment such as diverter chutes, spray lines, and covers would be required to be constructed, operated, and maintained.

- b. Refer to the following table. Costs are provided by Station and equipment use.

| Station | Equipment Use | Original Cost (\$M) | Year Complete | Tons per Hour |
|----------------|----------------------|----------------------------|----------------------|----------------------|
| Ghent | Limestone Unloading | \$37.3 | 2007 | 1,000 |
| | Coal Barge Unloading | \$10.6 | 1971 | 3,600 |
| Mill Creek | Limestone Unloading | \$25.5 | 2000 | 1,000 |
| | Coal Barge Unloading | \$17.2 | 1983 | 1,500 |
| Trimble County | Limestone Unloading | \$21.8 | 1989 | 750 |
| | Coal Barge Unloading | \$24.0 | 1989 | 5,500 |

- c. The two values were derived from different sources. The estimated cost of barges in the "Attachment to PSC 1- 18_UpdatedSVAnalysis_ REDACTED.xlsx" workbook was determined based on internal estimates.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 26

CONFIDENTIAL INFORMATION REDACTED

Witness: David S. Sinclair / R. Scott Straight

- Q-26. Please provide the calculation, assumptions and basis for the \$ [REDACTED] in [REDACTED] of the Sterling Option in Attachment to PSC 1-18_UpdatedSVAnalysis_REDACTED.xlsx. (See Worksheet cell at [REDACTED]).
- A-26. The LGE/KU Overheads and Engineering cost for the Sterling Option referenced in this question was taken directly from Table III.D-3 of the Supplement to Alternatives Analysis (SAA). Support Document III D-1-17 of the SAA includes an explanation of the LGE/KU Overheads and Engineering Support Costs used in each of the alternatives.

For the Sterling Ventures alternative in the SAA, the cost was estimated as follows:

- LGE/KU Overheads was assigned an order of magnitude factor of 0.5 as compared to the Ravine B alternative ($\$6.75\text{M} * 0.5 = \3.38M)
- Engineering Support was assigned an order of magnitude factor of 1.0 as compared to the Ravine B alternative ($\$3.5\text{M} * 1.0 = \3.5M)
- Total = $\$3.38\text{M} + \$3.50\text{M} = \$6.88\text{M}$

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 27

Witness: David S. Sinclair

Q-27. Have the Companies prepared a comparative PVRR analysis of the Trimble Landfill versus the Sterling alternative using the barge site proposed by Sterling in Warsaw?

- a. If the answer is yes, please provide a copy of that PVRR analysis, and explain all cost assumptions used in that analysis.
- b. If the answer is no, please explain why the Companies have not further considered the Warsaw site as a possible alternative location to the location assumed in the Supplement to Alternatives Analysis.

A-27. No.

- a. Not applicable.
- b. The Companies do not believe the Warsaw option is a viable option due to concerns related to trucking large volumes of CCR on public roadways. However, the Companies are planning to perform this analysis based on Sterling Ventures' responses to the Companies' second round of data requests. The results of the analysis will be presented in Mr. Sinclair's rebuttal testimony.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 28

Witness: John N. Voyles / R. Scott Straight

- Q-28. What will be the assumed moisture content percentage of CCR after treatment in the Trimble County CCRT facility?
- A-28. The assumed moisture content of CCR will be in the range of 10 to 20 percent after treatment in the CCRT facility.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 29

Witness: John N. Voyles

- Q-29. Reference the testimony of Mr. Voyles at page 13, lines 16 -17. Provide copies of all documents in the Companies' possession that pertain to these discussions with Sterling. These documents should include any communications, analyses, reports, etc. created or obtained from the Companies as well as any of their affiliated companies.
- A-29. Please see the attached. Certain documents responsive to this request are not being provided because they contain communications with counsel and the mental impressions of counsel, which information is protected from disclosure by the attorney-client privilege and the work product doctrine. The Companies are filing contemporaneously herewith a privilege log describing the responsive documents the Companies are not producing on the ground of attorney-client or work product privilege.

From: John Walters(johnwalters@sterlingventures.com)
To: Puckett, Paul; Straight, Scott
CC: Pfeiffer, Caryl; Voyles, John; Sturgeon, Allyson; Schram, Chuck; O'brien, Dorothy (Dot); Samuelabboone
BCC:
Subject: CCPs/Trimble County Landfill
Sent: 09/24/2014 12:18:08 PM -0400 (EDT)
Attachments:

Paul and Scott:

Sterling Materials has been contacted by the USEPA concerning the availability of our underground mine as a potential disposal alternative to the construction of the proposed landfill at the Trimble County Generating Station. As a result of this inquiry, we have spoken with the Kentucky Division of Solid Waste concerning the modification of Sterling existing permit to receive gypsum from the Ghent facility to include all CCP's from Trimble. Preliminary indications from the Division of Solid Waste are that the modification should not be difficult given the benefits of placing the CCPs underground.

We believe that either trucking the CCPs, or constructing a barge facility on the river near our facility for moving the CCPs, could result in a significantly lower expense/PVRR than the proposed cost of constructing and operating the Trimble County landfill.

In addition, in our last bid to supply scrubber stone to both Ghent and Trimble County, we proposed the possibility of back-hauling CCPs from Trimble County to Ghent, and gypsum from Ghent to Sterling in order to free up space in the new Ghent landfill for the CCPs from Trimble County. Combining available space in the Ghent landfill with the available space in our mine could be another feasible alternative to the Trimble County landfill.

If you are interested in exploring the feasibility of transporting Trimble County's CCPs to Sterling Mine by either barge or truck, or using Ghent's landfill in combination with Sterling's mine, we would be more than happy to meet with you to discuss issues, comparative cost and benefits.

We look forward to hearing from you.

John

John W. Walters, Jr.
Sterling Ventures, LLC
376 South Broadway
Lexington, KY 40508
Phone (859) 259-9600
Fax (859) 259-9601

johnwalters@sterlingventures.com

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From: Pfeiffer, Caryl(/O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=E012383)
To: Schram, Chuck
CC:
BCC:
Subject: FW: CCPs/Trimble County Landfill
Sent: 10/08/2014 02:18:57 PM -0400 (EDT)
Attachments:

[Here is the original email from Sterling.](#)

From: John Walters [mailto:johnwalters@sterlingventures.com]
Sent: Wednesday, September 24, 2014 12:18 PM
To: Puckett, Paul; Straight, Scott
Cc: Pfeiffer, Caryl; Voyles, John; Sturgeon, Allyson; Schram, Chuck; O'brien, Dorothy (Dot); Samuelabboone
Subject: CCPs/Trimble County Landfill

Paul and Scott:

Sterling Materials has been contacted by the USEPA concerning the availability of our underground mine as a potential disposal alternative to the construction of the proposed landfill at the Trimble County Generating Station. As a result of this inquiry, we have spoken with the Kentucky Division of Solid Waste concerning the modification of Sterling existing permit to receive gypsum from the Ghent facility to include all CCP's from Trimble. Preliminary indications from the Division of Solid Waste are that the modification should not be difficult given the benefits of placing the CCPs underground.

We believe that either trucking the CCPs, or constructing a barge facility on the river near our facility for moving the CCPs, could result in a significantly lower expense/PVRR than the proposed cost of constructing and operating the Trimble County landfill.

In addition, in our last bid to supply scrubber stone to both Ghent and Trimble County, we proposed the possibility of back-hauling CCPs from Trimble County to Ghent, and gypsum from Ghent to Sterling in order to free up space in the new Ghent landfill for the CCPs from Trimble County. Combining available space in the Ghent landfill with the available space in our mine could be another feasible alternative to the Trimble County landfill.

If you are interested in exploring the feasibility of transporting Trimble County's CCPs to Sterling Mine by either barge or truck, or using Ghent's landfill in combination with Sterling's mine, we would be more than happy to meet with you to discuss issues, comparative cost and benefits.

We look forward to hearing from you.

John

John W. Walters, Jr.
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From: Straight, Scott(/O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT)
To: 'John Walters'
CC: Puckett, Paul
BCC:
Subject: Trimble County CCR Disposal
Sent: 10/03/2014 12:37:41 PM -0400 (EDT)
Attachments:

Mr. Walters:

LG&E is in receipt of your email of September 24, 2014 in which Sterling Ventures expressed interest in entering into a business arrangement to manage and dispose of coal combustion residuals ("CCR"), i.e., fly ash, bottom ash, pyrites, and gypsum, generated at the company's Trimble County Station. As a result of comments received from U.S. EPA in August 2014 on the alternatives analysis submitted by LG&E to the U. S. Army Corps to support a Clean Water Act permit application for CCR disposal in an adjacent ravine to Trimble County Station, LG&E is evaluating the feasibility of using the Sterling Ventures mine site for management and disposal of CCR generated at the Trimble Station over the anticipated life of the facility (i.e., a minimum of 37 years). Accordingly, your email and invitation to meet to discuss the logistics and costs of disposal of CCR at Sterling Ventures underground limestone mine are timely.

As a preliminary step, LG&E needs to understand and confirm Sterling Venture's technical plans and commitments that would create commercially viable long term CCR disposal capacity and ensure safe and environmentally compliant disposal of 33.4 million cubic yards of such material over the Trimble County Station's operating life. In previous negotiations in the 2010-2013 period to assess the feasibility for disposal of CCR from the Ghent Station at the Sterling Ventures mine site, Sterling's proposal was limited to gypsum and encompassed sale of limestone to Ghent with backhauling of gypsum. In this instance, we require specific information on disposal fees that would be charged for disposal of all CCR generated at the Trimble County Station without consideration of purchase of limestone. We also need other basic information that will allow us to assess the commercial and environmental viability of long term disposal of CCR at the Sterling Ventures mine site. Accordingly, we request the following information:

- (1) Identify the disposal fee proposed by Sterling assuming delivery of CCR to the proposed mine shaft at the Sterling Ventures site (including any fee escalator over the 37 year life);
- (2) Describe proposed methods for receiving delivery of CCR by barge or truck;
- (3) Identify the disposal capacity available in the mine as of this date and specify if disposal capacity is only available in the uppermost seam/mining level;
- (4) Identify the projected range in the mining rate over the 37 year term of any potential agreement with LG&E, explain the basis for the estimated rates, and provide the actual mining rate over the past three years for the seam where disposal will occur;
- (5) Advise whether CCR material would be conveyed to a current or new mine shaft and provide the specific locations of such mine shaft(s) and specify whether the disposal fee includes Sterling Ventures paying for and installing all required shafts;
- (6) Identify commitments proposed by Sterling to ensure that CCR from the Trimble County Station are not co-mingled with wastes or materials from other sources;
- (7) Advise whether the mine is dry and identify measures taken to keep it dry; advise if water collects in the mine and identify measures taken to handle the water (including volumes of water pumped);
- (8) Describe any groundwater monitoring wells for the site and provide general information for each well (e.g., location, depth, quality);
- (9) Provide any environmental studies or evaluations regarding the mine including those already performed for the current permit and those for addressing and obtaining any additional necessary permitting approvals for disposal of CCR products listed above;
- (10) Provide complete safety statistics for the Sterling Ventures facility for the most recent three years;
- (11) Provide the most recent third-party audited financials for Sterling Ventures; and
- (12) Describe the financial assurance Sterling Venture will provide to guarantee performance over the full expected life of the contract.

Please provide the above information no later than October 14, 2014. Feel free to contact Paul Puckett at (502) 627-4659 or at paul.puckett@lge-ku.com if you have any questions. Upon receipt of the above information, we will determine additional steps necessary for evaluation of this alternative.

Thank you in advance for your cooperation.

Scott Straight

Director Project Engineering

LG&E and KU Energy, LLC

502-627-2701

From: John Walters(johnwalters@sterlingventures.com)
To: Straight, Scott
CC:
BCC:
Subject: Re: Sterling Ventures CCR Storage
Sent: 12/05/2014 04:26:44 PM -0500 (EST)
Attachments:

Scott

We have found a site that already has an approved permit, but does not have any of the in-river infrastructure (i.e dolphins, cells or piers). The permit would need to be modified for the contemplated new use, which, according to the Army Corp, would take about six months. The site already is rip-rapped and has a concrete ramp and siding. Anticipated transportation cost from barge facility to mine of approximately \$2.50/ton.

John

John W. Walters, Jr.
Sterling Ventures, LLC
376 South Broadway
Lexington, KY 40508
Phone (859) 259-9600
Fax (859) 259-9601

johnwalters@sterlingventures.com

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On Fri, Dec 5, 2014 at 2:58 PM, Straight, Scott <Scott.Straight@lge-ku.com> wrote:

John

I am out of town this week on business, so my apologies for not getting back sooner. Are you saying you know of a plot of land available to site a barge load-out facility or a site that already has equipment installed that could serve as a barge unloading facility of CCR?

Scott Straight
Director Project Engineering
LG&E and KU Energy

On Dec 1, 2014, at 12:13 PM, John Walters <johnwalters@sterlingventures.com> wrote:

Scott

A barge load/unload site near our mine is potentially available if you are interested in discussing barge options for Trimble or Ghent CCPs.

John

John W. Walters, Jr.
Sterling Ventures, LLC
376 South Broadway
Lexington, KY 40508
Phone (859) 259-9600
Fax (859) 259-9601

johnwalters@sterlingventures.com

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On Fri, Oct 31, 2014 at 2:29 PM, Straight, Scott <Scott.Straight@lge-ku.com> wrote:

John,

We appreciate your responses of October 24th to our questions regarding the potential disposal of CCR from LG&E's Trimble County Station at Sterling Venture's limestone mine in Gallatin County. At this time, we believe we have all the information needed from Sterling Ventures to allow us to continue our evaluation of the project.

Thanks again.

Scott Straight

Director Project Engineering

LG&E and KU Energy, LLC

[502-627-2701](tel:502-627-2701)

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|

From: Straight, Scott(/O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT)
To: John Walters
CC:
BCC:
Subject: Re: Sterling Ventures CCR Storage
Sent: 12/05/2014 02:58:37 PM -0500 (EST)
Attachments:

John

I am out of town this week on business, so my apologies for not getting back sooner. Are you saying you know of a plot of land available to site a barge load-out facility or a site that already has equipment installed that could serve as a barge unloading facility of CCR?

Scott Straight
Director Project Engineering
LG&E and KU Energy

On Dec 1, 2014, at 12:13 PM, John Walters <johnwalters@sterlingventures.com> wrote:

Scott

A barge load/unload site near our mine is potentially available if you are interested in discussing barge options for Trimble or Ghent CCPs.

John

John W. Walters, Jr.
Sterling Ventures, LLC
376 South Broadway
Lexington, KY 40508
Phone (859) 259-9600
Fax (859) 259-9601

johnwalters@sterlingventures.com

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Thanks again.

Scott Straight

Director Project Engineering

LG&E and KU Energy, LLC

[502-627-2701](tel:502-627-2701)

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From: Straight, Scott(/O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT)
To: 'John Walters'
CC:
BCC:
Subject: Sterling Ventures CCR Storage
Sent: 10/31/2014 02:29:12 PM -0400 (EDT)
Attachments:

John,

We appreciate your responses of October 24th to our questions regarding the potential disposal of CCR from LG&E's Trimble County Station at Sterling Venture's limestone mine in Gallatin County. At this time, we believe we have all the information needed from Sterling Ventures to allow us to continue our evaluation of the project.

Thanks again.

Scott Straight

Director Project Engineering

LG&E and KU Energy, LLC

502-627-2701

From: John Walters(johnwalters@sterlingventures.com)
To: Straight, Scott; Samuelabboone; Tim Stout
CC:
BCC:
Subject: CCPs
Sent: 10/24/2014 04:13:17 PM -0400 (EDT)
Attachments: Form 7056.pdf; Response to LGE Questions.pdf;

Scott:

I am writing in response to your email of October 3rd with a variety of questions regarding the possibility of placing CCPs from Trimble County in Sterling Ventures' underground limestone mine outside of Verona, Kentucky. We will attempt to answer as many questions as possible given the limited amount of knowledge we have at this time regarding LG&E plans with respect to how, and in what state, the CCPs will be staged for pickup, and contractual terms LG&E would propose.

Our responses are attached and correspond to your numbered questions in your email. It may be appropriate for LG&E and Sterling to sit down and talk about some of the issues we have raised in the attached, as well as plan a meeting with the USACE and Ky. Division of Solid Waste to address any issues we are not considering with respect to utilizing Sterling's mine as an alternative to the proposed Trimble County Landfill.

We look forward to talking with you.

John

John W. Walters, Jr.
Sterling Ventures, LLC
376 South Broadway
Lexington, KY 40508
Phone (859) 259-9600
Fax (859) 259-9601

johnwalters@sterlingventures.com

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DEP 7059F (1/06)



RECEIVED
JULY
APR 18 2010
DIVISION OF WASTE MANAGEMENT
SOLID WASTE BRANCH

ENVIRONMENTAL AND PUBLIC PROTECTION CABINET

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
DIVISION OF WASTE MANAGEMENT
14 REILLY ROAD
FRANKFORT, KY 40601
TELEPHONE NUMBER (502) 564-6716

REGISTERED PERMIT-BY-RULE
For BENEFICIAL REUSE OF SPECIAL WASTE
DEP 7059F (1/06)

GENERAL INSTRUCTIONS

1. **APPLICABILITY** - This registration form must be completed and submitted to the Cabinet by persons who propose to beneficially re-use special waste.
2. **ASSISTANCE** - Questions regarding this form may be directed in writing to the Division of Waste Management, Solid Waste Branch at the address listed above, or by calling (502) 564-6716.
3. **SUBMISSION** - Please type or print legibly in permanent ink. Submit the original and one (1) copy of the completed registration form to the Division of Waste Management at the address noted above. If an item is not applicable to your facility write "N/A" in the space provided.
4. **LAWS AND REGULATIONS** - Registrants are expected to understand and comply with all laws and regulations applicable to beneficial reuse of special waste.

DEP 7059F (1/06)

**REGISTERED PERMIT-BY-RULE
BENEFICIAL REUSE OF SPECIAL WASTE**

1. New Registration - A registration number will be assigned by the Cabinet.
2. This is a proposed modification of an existing registration.

Note: (If you checked item 2, complete one or both of the following two items.)

3. Agency Interest #: _____ 4. Registration #: _____ - _____

Registrant Information

(The corporation, LLC, business, person, government agency, etc., that owns or operates the facility.)

5. Registrant Name: Sterling Ventures, LLC d/b/a Sterling Materials
6. Registrant Mailing Address: 376 South Broadway
7. City: Lexington 8. State: KY 9. Zip Code: 40508
10. Contact Person: Samuel A.B. Boone 11. Title: President
12. Phone #: (859) 259-9600 13. Cell #: (859) 621-4121
14. Fax #: (859) 259-9601 15. E-Mail Address: aboone@sterlingventures.com

Special Waste Facility Information

16. Facility Name: Sterling Mine 17. County: Gallatin
18. Facility Location: 100 Sierra Drive 19. E-Mail Address: _____
(For street or physical location only. Do not use P. O. Box #'s, etc.)
20. City: Verona 21. Zip Code: 41092
22. Facility Contact Person: Sam Van 23. Title: Mine Superintendent
24. Phone #: (859) 567-7300 Fax #: (859) 567-7313 Cell #: (859) 621-2142

Preparer Information

(Complete items 27 – 36 if the following information concerning the person preparing this registration is different from the contact persons named above.)

27. Preparers Name: John Walters 28. Company: Sterling Ventures, LLC
29. Mailing Address: 376 S. Broadway 30. E-mail Address: johnwalters@sterlingventures.com
31. City: Lexington 32. State: KY 33. Zip Code: 40508
34. Phone #: (859) 259-9600 35. Fax #: (859) 259-9601 36. Cell #: (859) 621-3990

DEP 7059F (1/06)

37. List the source (special waste generating facility) of the special waste to be beneficially reused. If there are multiple sources and more space is needed, use additional sheets and label as Attachment 1.

Special waste generator: KU Ghent Generation Station, Ghent, Carroll County, Kentucky

Special waste generator: _____

Special waste generator: _____

Special waste generator: _____

38. Provide, as Attachment 2, a description of the type and anticipated volume of special waste to be beneficially reused.
39. Provide as Attachment 3, a copy of the Toxicity Characteristic Leaching Procedure (TCLP) laboratory analysis for each type of special waste to be beneficially reused.

Note: You may omit the TCLP analysis or specific parameters of the analysis based upon your knowledge of the Special Waste, pursuant to 40 CFR 262.11. Should you elect to do this, a certified statement accepting responsibility will be required. Polychlorinated Biphenyls (PCBs) may also be omitted from the parameters listed in 401 KAR 45:100 Section 6(20)(b). Any certified statement for the omission of the TCLP or PCB data should be labeled as Attachment 4.

40. Provide, as Attachment 5, a description of how the special waste will be managed.
41. Provide, as Attachment 6, a description of how management and reuse of the special waste meets the environmental performance standards of 401 KAR 30:031.
42. Attachment 7 is to be used to maintain a record of the special waste sources and amounts received. This form shall be utilized for quarterly reports submitted to the Cabinet.

DEP 7059F (1/06)

43. Certification pursuant to 401 KAR 45:030 Section 10(4):

“I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for such violations.”

Signature of Registrant _____ Date _____

Name of Registrant (Typed or Printed) _____

Title _____

Subscribed and sworn to before me by _____

this the _____ day of _____, 20 _____.

Notary Public Signature _____

My Commission Expires _____

Attachment 2

Type and Volume of Special Waste

Sterling Ventures is proposing to use up to 800,000 tons per year of FGD Gypsum produced from the KU Ghent Power Station in Ghent Kentucky to fill mine voids in mined out sections of Sterling's underground limestone mine located at 100 Sierra Drive, Verona, Gallatin County, Kentucky. Gypsum is calcium sulfate dihydrate, or $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$, which comes primarily from two sources: (i) Mined gypsum, a common mineral found around the world in sedimentary rock formations, from which it is mined or quarried, and (ii) FGD gypsum, which is produced as a byproduct from coal-fired electric utilities and is a synthetic material essentially identical in chemical structure to mined gypsum. The underground mine has the capacity to use 1,000,000 tons per year of gypsum for as long as the mine is operating at current limestone sales volumes.

FGD Gypsum

Scrubbers are attached to coal-fired power plants to limit emissions of the sulfur which is released when coal is burned. The scrubbers spray liquid lime or limestone slurry into the flue gas path, where it reacts with sulfur in the gas to form calcium sulfite, an intermediate product with little practical value. Calcium sulfite is commonly known as "scrubber sludge."

However, newer FGD scrubbing technologies can add an extra step to the scrubbing process known as "forced oxidation" which oxidizes the calcium sulfite and produces calcium sulfate dihydrate ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$), or FGD gypsum. The FGD gypsum is easily dewatered and can be marketable in the wallboard and agricultural industries.

The Ghent power plant has installed forced oxidation scrubbers on all four of its generating units with a projected FGD gypsum production of approximately 800,000 tons per year. The Ghent plant has a contract to provide the FGD Gypsum to the CertainTeed, Inc. wallboard plant located in East Carrolton, Kentucky. KU has projected CertainTeed's usage to be approximately 222,000 ton per year. Excess FGD Gypsum at Ghent is placed on the plant's Gypsum Stacking Pond. The Stacking Pond is currently listed as one of the 49 High Hazard impoundment facilities in the United States listed by the EPA in its *Coal Combustion Residues (CCR) - Surface Impoundments with High Hazard Potential Ratings* report. (See EPA530-F-09-006 June 2009 (updated August 2009)).

Because CertainTeed cannot utilize all of Ghent's FGD Gypsum, the opportunity to beneficially reuse this excess of FGD gypsum for filling Sterling's underground mine voids is an attractive alternative. In addition to providing a benefit to Sterling in filling underground voids to promote improved airflow in the mine, placing the Ghent's excess gypsum at Sterling is important to substantially reducing or eliminating the volume of excess gypsum in the gypsum stacking pond.

Attachment 3
Toxicity Characteristic Leaching Procedure Laboratory Analysis

See attached Exhibit 3-A

06/28/2010 15:10 5026273243

FLELS

PAGE 02/03



KEMIBIT 3A

Microbac Laboratories, Inc.

KENTUCKY TESTING LABORATORY DIVISION
3323 Gilmore Industrial Blvd. Louisville, KY 40213 502.962.6400 Fax: 502.962.6411
Evansville, IN 812.464.9000 | Lexington, KY 859.276.3506 | Paducah, KY 270.898.7637

Member

ACIL

Chemical, Biological, Physical, Molecular, and Toxicological Services

ELECTRONIC CERTIFICATE OF ANALYSIS

1006-00872

LG & E (E ON US)
PAUL PUCKETT
EON-US / ANNUAL CCP EVALUATION

Date Reported 05/19/2010
Date Received 05/11/2010
Dates Sampled 05/04/2010-05/06/2010

| Analysis | Out of Spec | Qualif | Result | Unit | Min | Max | Method | Cus Limit | Toler Std Limit | Date | Time | Tech |
|------------------------------------|-------------|-----------|--------|------|-------|-------|-------------|-----------|-----------------|-------|------|---|
| Sample: 014 GHENT - UNIT 1 FLY ASH | | | | | | | | | | | | Date & Time Sampled: 05/06/2010 @ 12:00 |
|continued | | | | | | | | | | | | |
| Sample: 015 GHENT - UNIT 2 FLY ASH | | | | | | | | | | | | Date & Time Sampled: 05/06/2010 @ 12:00 |
| DATE EXTRACTED TCLP | | COMPLETED | --- | | | | SW846 1311 | | 04/13/10 | 18:00 | | RFV |
| [TCLP Metals] | | | | | | | SW846 6010C | | | | | |
| ARSENIC, TCLP | | | <0.20 | MG/L | | 8.0 | SW846 6010C | 0.2 | 05/19/10 | 13:11 | | EHL |
| BARIUM, TCLP | | | 0.48 | MG/L | 100.0 | 500.0 | SW846 6010C | 0.002 | 05/19/10 | 13:11 | | EHL |
| CADMIUM, TCLP | | | <0.10 | MG/L | | 1.0 | SW846 6010C | 0.001 | 05/19/10 | 13:39 | | EHL |
| CHROMIUM, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.01 | 05/19/10 | 13:39 | | EHL |
| LEAD, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.02 | 05/19/10 | 13:39 | | EHL |
| MERCURY, TCLP | | | <0.10 | MG/L | | 0.2 | SW846 6010C | 0.001 | 05/19/10 | 13:39 | | EHL |
| SELENIUM, TCLP | | | <0.10 | MG/L | | 1.0 | SW846 6010C | 0.1 | 05/19/10 | 13:11 | | EHL |
| SILVER, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.01 | 05/19/10 | 13:39 | | EHL |
| Sample: 016 GHENT - GYPSUM STACK | | | | | | | | | | | | Date & Time Sampled: 05/06/2010 @ 12:00 |
| DATE EXTRACTED TCLP | | COMPLETED | --- | | | | SW846 1311 | | 04/13/10 | 18:00 | | RFV |
| [TCLP Metals] | | | | | | | SW846 6010C | | | | | |
| ARSENIC, TCLP | | | <0.20 | MG/L | | 8.0 | SW846 6010C | 0.2 | 05/19/10 | 13:16 | | EHL |
| BARIUM, TCLP | | | <0.10 | MG/L | 100.0 | 500.0 | SW846 6010C | 0.002 | 05/19/10 | 13:16 | | EHL |
| CADMIUM, TCLP | | | <0.10 | MG/L | | 1.0 | SW846 6010C | 0.001 | 05/19/10 | 13:43 | | EHL |
| CHROMIUM, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.01 | 05/19/10 | 13:43 | | EHL |
| LEAD, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.02 | 05/19/10 | 13:43 | | EHL |
| MERCURY, TCLP | | | <0.10 | MG/L | | 0.2 | SW846 6010C | 0.001 | 05/19/10 | 13:43 | | EHL |
| SELENIUM, TCLP | | | <0.20 | MG/L | | 1.0 | SW846 6010C | 0.1 | 05/19/10 | 13:16 | | EHL |
| SILVER, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.01 | 05/19/10 | 13:43 | | EHL |
| Sample: 017 GHENT - GYPSUM | | | | | | | | | | | | Date & Time Sampled: 05/06/2010 @ 12:00 |
| DATE EXTRACTED TCLP | | COMPLETED | --- | | | | SW846 1311 | | 04/13/10 | 18:00 | | RFV |
| [TCLP Metals] | | | | | | | SW846 6010C | | | | | |
| ARSENIC, TCLP | | | <0.20 | MG/L | | 8.0 | SW846 6010C | 0.2 | 05/19/10 | 13:29 | | EHL |
| BARIUM, TCLP | | | <0.10 | MG/L | 100.0 | 500.0 | SW846 6010C | 0.002 | 05/19/10 | 13:29 | | EHL |
| CADMIUM, TCLP | | | <0.10 | MG/L | | 1.0 | SW846 6010C | 0.001 | 05/19/10 | 13:46 | | EHL |
| CHROMIUM, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.01 | 05/19/10 | 13:46 | | EHL |
| LEAD, TCLP | | | <0.10 | MG/L | | 5.0 | SW846 6010C | 0.02 | 05/19/10 | 13:46 | | EHL |
| MERCURY, TCLP | | | <0.10 | MG/L | | 0.2 | SW846 6010C | 0.001 | 05/19/10 | 13:46 | | EHL |

05/28/2010 15:10

5026273243

FUELS

PAGE 03/03



Microbac Laboratories, Inc.

KENTUCKY TESTING LABORATORY DIVISION
 3333 Gilmore Industrial Blvd. Louisville, KY 40213 502.962.6400 Fax: 502.962.6411
 Evansville, IN 812.464.9000 | Lexington, KY 859.276.3504 | Paducah, KY 270.898.3637

Member



Chemical, Biological, Physical, Molecular, and Toxicological Services

ELECTRONIC CERTIFICATE OF ANALYSIS

LG & E (EON US)

1005-00672

PAUL FUCKETT

Date Reported

05/19/2010

EON-US / ANNUAL CCP EVALUATION

Date Received

05/11/2010

Dates Sampled

05/04/2010-05/06/2010

| Analyst | Out of Spec | Qualif | Result | Unit | Min | Max | Method | Cus Limit | PQL or Std/Val | Date | Time | Test | |
|----------------|-------------|---------------|--------|------|-----|-------------|--------|-----------|----------------|----------------------|------------|-----------|--|
| Sampler | 017 | GHEM - GYPSUM | | | | | | | | Date & Time Sampled: | 05/06/2010 | 0 - 12:00 | |
|continued | | | | | | | | | | | | | |
| SELENIUM, TCLP | | | <0.10 | MG/L | 1.0 | 5W346 5010G | | 0.1 | | 05/19/10 | 2:29 | PML | |
| SILVER, TCLP | | | <0.10 | MG/L | 3.0 | 5W346 5010G | | 0.01 | | 05/19/10 | 13:45 | PML | |

THIS REPORT HAS BEEN REVIEWED AND APPROVED FOR RELEASE:

LABORATORY DIRECTOR, KENTUCKY DIVISION

As regulatory limits change frequently, Microbac advises the recipient of this report to confirm such limits with the appropriate Federal, state, or local authorities before acting in reliance on the regulatory limits provided. For any feedback concerning our services, please contact Andrew Clifton, the Laboratory Director at 502.962.6400. You may also contact both James Nokes, President and Robert Morgan, Chief Operating Officer at president@microbac.com.

Attachment 5

Management of Special Waste

Gypsum will be excavated from the Ghent's Gypsum Stacking Pond by excavator and loaded in tarped, tri-axel dump trucks for transportation to Sterling's mine. Sterling Venture's Verona mine produces limestone from underground operations only. It does not mine any limestone from open pits. Sterling mines from three underground levels, located in solid limestone bedrock. From a geological standpoint, the sea level elevation of the roof of the uppermost level is approximately 136 feet above sea level. The roofs of the second and third levels are approximately 28 feet above, and 149 feet below sea level, respectively. From a reference point, the lowest most level of the Ohio River adjacent to the Sterling Mine is approximately 401 feet above sea level. (see Exhibit 6C)

Once at the mine, the gypsum will be dumped directly from the dump trucks, via shaft, to the first level (the "Tyrone" seam) of the underground mine. Once underground, the gypsum will be carried by loader or conveyor to the mined out areas then stacked, pushed and compacted to fill the mine voids.

Attachment 6

Management and Reuse in compliance with 401 KAR 30:031

The following is a summary of the how the management and reuse meets each of the Sections of 401 KAR 30:031.

Section 2. Floodplains.

All gypsum will be placed in Sterling's underground mine. Gypsum will not be placed or stored above ground and therefore will have no impact on, or restrict the flow of, the 100 year floodplain.

Section 3. Endangered Species.

All gypsum will be placed in Sterling's underground mine. Gypsum will not be placed or stored above ground and therefore will have no impact on, or result in the destruction of the habitat of any threatened or endangered species.

Section 4. Surface Waters.

All gypsum will be placed in Sterling's underground mine. Gypsum will not be placed or stored above ground and therefore will have no impact on, or cause a discharge into, any waters of the Commonwealth.

Section 5. Groundwater.

All gypsum will be placed in solid bedrock in an area below the bottom level of the uppermost aquifer. Gypsum will not be placed or stored above ground and therefore will have no impact on, or cause a discharge into, any waters of the Commonwealth.

The uppermost mining level of Sterling's underground mine is located in what is known as the Tyrone seam of limestone. The Tyrone Limestone in north central Kentucky contains at least five potassium bentonites. Bentonite is a soft, low-specific-gravity, expandable clay. It is altered volcanic ash and because of its peculiar property of expanding when wet, bentonite is effective as a water sealer, especially to prevent pond leakage, and is also used in rotary drilling muds to prevent contaminating formations with drilling fluid. Drillers have labeled the two most prominent Tyrone bentonite beds the Mud Cave and Pencil Cave. The bentonite acts as an aquitard or confining layer that will prevent any contact of the gypsum with groundwater.

Attached as Exhibit 6-A is an excerpt from the U.S. Geological Survey - Hydrologic Atlas 730-K, Orville B. Lloyd, Jr., and William L. Lyke, 1995, describing the impact of the bentonite as a barrier to groundwater contact.

The roof of the uppermost mining level is over 200 feet below the bottom of any recorded well in the area. Regional wells do not extend below the bentonite levels in the Tyrone limestone. Attached as Exhibit 6-B is a listing of all recorded water wells in the area, their depth and distance between the bottom of the well and the roof of the Tyrone mining level.

Attached as Exhibit 6-C is a cross section of the Sterling's underground mine showing the Tyrone level mine in relation to the Mud Cave and Pencil Cave bentonite seams.

Section 6. Application to Land Use.

All gypsum will be placed underground. Gypsum will not be placed or stored above ground and therefore will have no impact on land use.

Section 7. Polychlorinated Biphenals.

FGD Gypsum does not contain PCBs.

Section 8. Disease.

All gypsum will be placed underground and therefore will be automatically covered. Gypsum is an inert naturally occurring mineral. Underground placement will eliminate any human health or environmental issues. No sewage sludge or septic tank materials are pumped or stored underground at Sterling's underground mine.

Section 9. Air.

Underground storage will not involve burning of gypsum, which is not a flammable material. Underground storage approximately 400 feet below the surface will prohibit the airborne release of gypsum.

Section 10. Safety.

Neither limestone mining nor gypsum produces any explosive gases or a fire hazard. Sterling's underground mine is gated, which prohibits any type of uncontrolled public access.

Section 11. Public Nuisance.

Underground storage will eliminate any public nuisance due to blowing litter, debris or other waste.

Section 12. Wetlands.

All gypsum will be placed underground. Gypsum will not be placed or stored above ground and therefore will have no impact on any wetlands

Section 13. Karst.

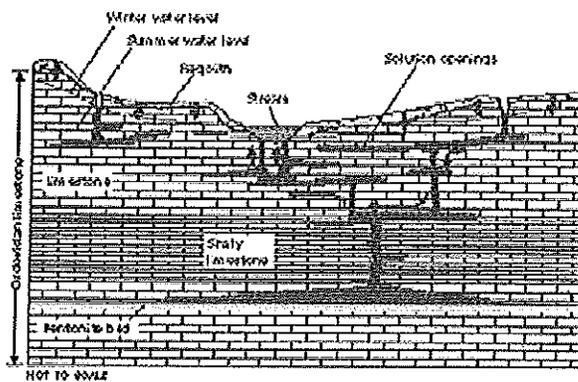
There are no sinkholes on or near the approximately 1,000 acres owned by Sterling. No surface water enters or exits the mine through any karst terrain or feature.

Section 14. Compliance.

Sterling will comply with all applicable requirements of KRS Chapter 224 and administrative regulation promulgated thereto.

Exhibit 6A

Confining units, such as beds of shaly limestone and bentonite, affect the depth to which freshwater circulates (fig. 97). Thin bentonite zones, which consist of clay particles that expand or swell when they become wet, form layers of low permeability that effectively impede the vertical movement of ground water. For example, in areas where the bentonite layers are continuous, the downward movement of ground water is restricted. This restriction isolates the ground water below the bentonite from the zone of dynamic circulation above the bentonite. U.S. Geological Survey - Hydrologic Atlas 730-K, Orville B. Lloyd, Jr., and William L. Lyke, 1995



EXPLANATION

⇒ Direction of ground-water movement

Modified from Zurawski, Ann, 1978, Summary appraisals of the Nation's ground-water resources—Tennessee region: U.S. Geological Survey Professional Paper 813-L, 35 p.

Figure 97. The limestone and dolomite aquifers contain small quantities of insoluble material and, therefore, produce only a thin layer of residuum when weathered. Recharge water percolates through the thin layer of surface material, called regolith, and subsequently moves through vertical fractures and horizontal bedding planes in the rocks. The slightly acidic water dissolves some of the limestone and dolomite as it moves to streams and other areas of discharge, such as springs and wells. The vertical movement of the recharge water and, therefore, the depth of development of solution openings, are restricted by zones of low permeability.

EXHIBIT 6B

http://kgs.uky.edu/kgsmap/KGSWater/viewer.asp?arctype=&scale=&basemapType=IIs&map...

Search Criteria:
no search criteria

Kentucky Groundwater Data Repository
Kentucky Geological Survey
Water Well and Spring Location Map

Note: please disable popup blocking software for full functionality.

KGS Home > Maps, Pubs, & Data > Groundwater Info > Water Well and Spring Map



Map Tools:

| | | | |
|------------------|----------|------------|------------------|
| | | | |
| zoom in | zoom out | zoom full | zoom to location |
| | | | |
| zoom last | zoom pan | get coords | Bookmark Map |
| Move Map: | | | |
| | | | |
| ↑ | ↓ | ← | → |

Current Scale = 1:175,972
 Note: all wells and springs are displayed at scales below 1:100,000

Change Map Scale: choose a map scale

Change Basemap (background): color imagery (iso)

Change Map Size: half pg (6.8 x 4.7 in) | full pg (8.8 x 9.4 in)

TIP: to print map to scale, be sure to "File -> Print Preview..." and print at 100% scaling.

Overview Map:

| AKGWA NUMBER | lat27 | lon27 | Quadrangle | County | Construction Date | Primary Use | Surface Elevation | Total Depth | Bottom Elevation | Delta to Mine Roof | Owner | Owner Business | Regulatory Program |
|-----------------|----------|----------|------------|----------|----------------------|-----------------------------------|----------------------|-------------|---------------------|-----------------------|------------------|--------------------------------|--------------------|
| 210 | 38.77528 | -84.8131 | Patriot | Gallatin | 3/12/1987 | DOMESTIC - SINGLE HOUSEHOLD | 480 | 96 | 384 | 248 | Wessells Constru | | |
| 950 | 38.81611 | -84.8061 | Patriot | Gallatin | 6/22/1987 | DOMESTIC - SINGLE HOUSEHOLD | 510 | 99 | 411 | 275 | Doolin | | |
| 2070 | 38.7525 | -84.8722 | Patriot | Gallatin | 1/1/1900 | DOMESTIC - SINGLE HOUSEHOLD | 570 | | | | Hayton | | |
| 2070 | 38.7525 | -84.8722 | Patriot | Gallatin | 1/1/1900 | DOMESTIC - SINGLE HOUSEHOLD | 570 | | | | Hayton | | |
| 2070 | 38.7525 | -84.8722 | Patriot | Gallatin | 2/28/1986 | DOMESTIC - SINGLE HOUSEHOLD | 570 | 90 | 480 | 344 | Hayton | | |
| 2070 | 38.7525 | -84.8722 | Patriot | Gallatin | 2/28/1986 | DOMESTIC - SINGLE HOUSEHOLD | 570 | 90 | 480 | 344 | Hayton | | |
| 2071 | 38.7975 | -84.8078 | Patriot | Gallatin | 4/7/1986 | DOMESTIC - SINGLE HOUSEHOLD | 470 | 78 | 392 | 256 | Wilker / Mcintos | | |
| 2072 | 38.79167 | -84.8039 | Patriot | Gallatin | 4/22/1986 | DOMESTIC - SINGLE HOUSEHOLD | 460 | 57 | 403 | 267 | Perry | | |
| 3030 | 38.82306 | -84.7594 | Patriot | Gallatin | 8/13/1985 | DOMESTIC - SINGLE HOUSEHOLD | 600 | 100 | 500 | 364 | Whalen | | |
| 3885 | 38.82278 | -84.8069 | Patriot | Gallatin | 7/30/1987 | DOMESTIC - SINGLE HOUSEHOLD | 524 | 142 | 382 | 246 | Sproul | | |
| 6426 | 38.79722 | -84.8072 | Patriot | Gallatin | 3/28/1988 | DOMESTIC - SINGLE HOUSEHOLD | 475 | 50 | 425 | 289 | Hudepohl | | |
| 6427 | 38.775 | -84.9003 | Florence | Gallatin | 8/31/1988 | INDUSTRIAL - GENERAL | 485 | 92 | 393 | 257 | | Irving Materials Inc | |
| 6429 | 38.7875 | -84.8064 | Patriot | Gallatin | 5/16/1989 | DOMESTIC - SINGLE HOUSEHOLD | 475 | 65 | 410 | 274 | Heil | | |
| 7861 | 38.87556 | -84.7808 | Rising Sun | Boone | 10/8/1990 | DOMESTIC - SINGLE HOUSEHOLD | 495 | 70 | 425 | 289 | Ralston | | |
| 8554 | 38.79639 | -84.8078 | Patriot | Gallatin | 10/29/1987 | DOMESTIC - SINGLE HOUSEHOLD | 470 | 93 | 377 | 241 | Schwab | | |
| 10409 | 38.75417 | -84.9117 | Florence | Gallatin | 1/22/1993 | DOMESTIC - SINGLE HOUSEHOLD | 550 | 83 | 467 | 331 | Fender | | |
| 14147 | 38.88472 | -84.7817 | Rising Sun | Boone | 12/13/1988 | DOMESTIC - SINGLE HOUSEHOLD | 530 | 86 | 444 | 308 | Wood | | |
| 14148 | 38.88472 | -84.7817 | Rising Sun | Boone | 12/14/1988 | DOMESTIC - SINGLE HOUSEHOLD | 430 | 93 | 337 | 201 | Wood | | |
| 20278 | 38.78389 | -84.8475 | Patriot | Gallatin | 8/18/1986 | DOMESTIC - SINGLE HOUSEHOLD | 470 | 80 | 390 | 254 | Boschert | | |
| 20583 | 38.88778 | -84.7597 | Rising Sun | Boone | 1/1/1900 | | 550 | | | | Waljih | | |
| 21565 | 38.76806 | -84.7294 | Verona | Grant | 10/3/1986 | DOMESTIC - SINGLE HOUSEHOLD | 710 | 80 | 630 | 494 | Ellis | | |
| 21577 | 38.88389 | -84.7586 | Rising Sun | Boone | 6/5/1994 | DOMESTIC - SINGLE HOUSEHOLD | 520 | 80 | 440 | 304 | Wilbur | | |
| 27010 | 38.8575 | -84.7864 | Patriot | Boone | 6/8/1992 | DOMESTIC - SINGLE HOUSEHOLD | 477 | 56 | 421 | 285 | Fred | | |
| 29603 | 38.77078 | -84.9396 | Florence | Gallatin | 1/1/1900 | PUBLIC - TRANSIENT, NON-COMMUNITY | 460 | | | | Loewendick | Rivers Edge Campground | |
| 34428 | 38.87778 | -84.6744 | Union | Boone | 7/20/1993 | | 810 | 63 | 747 | 611 | Vaske | | |
| 34436 | 38.84806 | -84.765 | Patriot | Boone | 1/20/1987 | DOMESTIC - SINGLE HOUSEHOLD | 495 | 64 | 431 | 295 | Gilliand | | |
| 34438 | 38.90361 | -84.7714 | Rising Sun | Boone | 12/10/1986 | DOMESTIC - SINGLE HOUSEHOLD | 600 | 100 | 500 | 364 | Kurkel | | |
| 34474 | 38.89556 | -84.6681 | Union | Boone | 4/23/1993 | | 810 | 83 | 727 | 591 | Allen | | |
| 34475 | 38.89694 | -84.6694 | Union | Boone | 12/4/1992 | DOMESTIC - SINGLE HOUSEHOLD | 820 | 103 | 717 | 581 | McDaniel | | |
| 37305 | 38.78611 | -84.8903 | Florence | Gallatin | 10/1/1994 | HEAT PUMP - OPEN LOOP | 495 | 94 | 401 | 265 | | Gallatin County Schools | |
| 37311 | 38.76583 | -84.9856 | Florence | Gallatin | 1/19/1995 | INDUSTRIAL - GENERAL | 470 | 91 | 379 | 243 | | Steel Technologies Inc | |
| 37376 | 38.78222 | -84.9017 | Florence | Gallatin | 1/1/1930 | PUBLIC - COMMUNITY | 491 | 136 | 355 | 219 | | Warsaw Water Works | Drinking Water |
| 37377 | 38.78262 | -84.9017 | Florence | Gallatin | 1/1/1930 | PUBLIC - COMMUNITY | 491 | 96 | 395 | 259 | | Warsaw Water Works | Drinking Water |
| 37378 | 38.77417 | -84.8956 | Florence | Gallatin | 1/1/1967 | AGRICULTURE - LIVESTOCK WATERING | 505 | 78 | 427 | 291 | Smith | | |
| 37400 | 38.77861 | -84.8778 | Florence | Gallatin | 4/27/1995 | | 500 | | | | Oldendick | Sugar Bay Golf Inc | |
| 39222 | 38.77889 | -84.8764 | Florence | Gallatin | 1/1/1965 | | 503 | | | | Oldendick | Sugar Bay Golf Inc | |
| 48660 | 38.77528 | -84.8867 | Florence | Gallatin | 1/1/1900 | DOMESTIC - SINGLE HOUSEHOLD | 510 | | | | Beall | | |
| 49372 | 38.78583 | -84.8931 | Florence | Gallatin | 11/1/1999 | HEAT PUMP - OPEN LOOP | 495 | | | | | Gallatin County Schools | |
| 49377 | 38.77063 | -84.9102 | Florence | Gallatin | 2/28/2000 | PUBLIC - COMMUNITY | 500 | | | | | Gallatin County Water District | Drinking Water |
| 51920 | 38.89969 | -84.7986 | Rising Sun | Boone | 1/1/1974 | PUBLIC - TRANSIENT, NON-COMMUNITY | 470 | 9 | 461 | 325 | | Camp Turn About | |
| 55811 | 38.85639 | -84.7742 | Patriot | Boone | 4/19/2002 | DOMESTIC - SINGLE HOUSEHOLD | 490 | 70 | 420 | 284 | | Big Bone Marina | |
| 58332 | 38.85639 | -84.7775 | Patriot | Boone | 5/1/2002 | DOMESTIC - SINGLE HOUSEHOLD | 460 | 63 | 397 | 261 | | Big Bone Marina | |
| 58338 | 38.89111 | -84.7776 | Rising Sun | Boone | 1/23/2002 | DOMESTIC - SINGLE HOUSEHOLD | 605 | 80 | 525 | 389 | Parker | | |
| 65141 | 38.82028 | -84.8053 | Patriot | Gallatin | 1/1/1900 | INDUSTRIAL - GENERAL | 523 | | | | | Nugent Sand Co - Warsaw Plant | |
| 40004237 | 38.72534 | -84.7774 | Glencoe | Grant | | DOMESTIC - SINGLE HOUSEHOLD | 475 | | | | | | |
| 40004241 | 38.78173 | -84.8874 | Florence | Gallatin | | UNKNOWN | | | | | | | |
| 40004243 | 38.79923 | -84.8049 | Patriot IN | Gallatin | | DOMESTIC - SINGLE HOUSEHOLD | | 140 | | | | | |
| 40004245 | 38.81673 | -84.8169 | Patriot IN | Gallatin | | DOMESTIC - SINGLE HOUSEHOLD | | 101 | | | | | |
| 40005375 | 38.77145 | -84.9049 | Florence | Gallatin | | UNKNOWN | 515 | | | | | | |
| 40005376 | 38.77423 | -84.9747 | Florence | Gallatin | | UNKNOWN | 455 | | | | | | |
| 40005378 | 38.78257 | -84.9019 | Florence | Gallatin | | PUBLIC | 490 | 140 | 350 | 214 | | | |
| 40005886 | 38.72618 | -84.7655 | Glencoe | Grant | | UNKNOWN | | | | | | | |

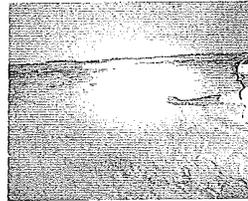
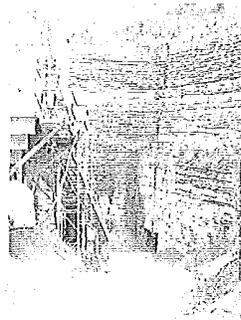
| AKGWA | | | | Construction | Surface | Bottom | Delta to | Owner | Owner Business | Regulatory Program |
|----------|----------|----------|------------|--------------|-----------|-----------|-----------|-------|--------------------------|--------------------|
| NUMBER | lat27 | lon27 | Quadrangle | Date | Elevation | Elevation | Mine Roof | | | |
| 40005892 | 38.76951 | -84.9305 | Florence | | | | | | | |
| 40005893 | 38.76951 | -84.9305 | Florence | | 460 | | | | | |
| 40005894 | 38.77395 | -84.9747 | Florence | | | | | | | |
| 40005895 | 38.85867 | -84.7858 | Patriot IN | | 490 | 461 | 325 | | | |
| 40006041 | 38.78173 | -84.8874 | Florence | | | | | | | |
| 40006325 | 38.77812 | -84.8761 | Florence | | 510 | 510 | 374 | | | |
| 40006326 | 38.78173 | -84.8874 | Florence | | 475 | 475 | 339 | | | |
| 40006327 | 38.79479 | -84.8077 | Patriot IN | | | | | | | |
| 40006328 | 38.79923 | -84.8049 | Patriot | | 490 | | | | | |
| 40006757 | 38.72534 | -84.7774 | Glencoe | | | | | | | |
| 40006762 | 38.77145 | -84.9049 | Florence | | | | | | | |
| 40006763 | 38.77423 | -84.9747 | Florence | | | | | | | |
| 40006764 | 38.86256 | -84.7527 | Patriot IN | | | | | | | |
| 40007580 | 38.72618 | -84.7655 | Glencoe | | | | | | | |
| 40007585 | 38.74757 | -84.9699 | Sanders | | | | | | | |
| 40007586 | 38.77395 | -84.9747 | Florence | | 453 | | | | | |
| 40007588 | 38.77812 | -84.8761 | Florence | | | | | | | |
| 80003234 | 38.8625 | -84.6614 | Verona | 7/22/1993 | 800 | 782 | 646 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003235 | 38.86139 | -84.6572 | Verona | 7/14/1993 | 800 | 779.3 | 643.3 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003236 | 38.86083 | -84.6592 | Verona | 7/10/1993 | 780 | 762.5 | 626.5 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003239 | 38.85917 | -84.6619 | Verona | 7/22/1993 | 740 | 721.8 | 585.8 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003240 | 38.85944 | -84.6628 | Verona | 7/10/1993 | 720 | 693 | 557 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003241 | 38.85972 | -84.6639 | Verona | 7/10/1993 | 720 | 697.1 | 561.1 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003242 | 38.85917 | -84.665 | Verona | 7/21/1993 | 720 | 701.6 | 565.6 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003243 | 38.85972 | -84.6667 | Verona | 7/21/1993 | 700 | 681.9 | 545.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003244 | 38.85944 | -84.6678 | Verona | 7/20/1993 | 720 | 701.1 | 565.1 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 12/30/2000 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 12/30/2000 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 7/14/1993 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 7/14/1993 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 12/30/2000 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 12/30/2000 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 7/14/1993 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 7/14/1993 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003245 | 38.85556 | -84.6678 | Verona | 7/14/1993 | 800 | 781.9 | 645.9 | | Bavarian Trucking Co Inc | Solid Waste |
| 80003246 | 38.86 | -84.6642 | Verona | 7/27/1993 | 720 | 701.7 | 565.7 | | Bavarian Trucking Co Inc | Solid Waste |
| 80011401 | 38.86139 | -84.6542 | Verona | 1/1/1900 | 847.49 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011402 | 38.86167 | -84.6539 | Verona | 1/1/1900 | 847.92 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011403 | 38.85778 | -84.6592 | Verona | 1/1/1900 | 833.59 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011404 | 38.85806 | -84.6589 | Verona | 1/1/1900 | 833.65 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011405 | 38.85583 | -84.6619 | Verona | 1/1/1900 | 834.72 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011406 | 38.855 | -84.6639 | Verona | 1/1/1900 | 816.7 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011407 | 38.85611 | -84.6672 | Verona | 1/1/1900 | 800.5 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011408 | 38.85861 | -84.67 | Verona | 1/1/1900 | 766.27 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011409 | 38.86 | -84.6692 | Verona | 1/1/1900 | 767.85 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011410 | 38.86222 | -84.6689 | Verona | 1/1/1900 | 641.24 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011411 | 38.86222 | -84.6669 | Verona | 1/1/1900 | 643.85 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011412 | 38.86222 | -84.6681 | Verona | 1/1/1900 | 604.9 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011413 | 38.8625 | -84.6622 | Verona | 1/1/1900 | 828.1 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011414 | 38.8625 | -84.6622 | Verona | 1/1/1900 | 828.01 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011415 | 38.86417 | -84.6594 | Verona | 1/1/1900 | 780.48 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011416 | 38.86417 | -84.6589 | Verona | 1/1/1900 | 780.26 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011417 | 38.86556 | -84.6625 | Verona | 1/1/1900 | 784.79 | | | | Bavarian Trucking Co Inc | Solid Waste |

| AKGWA | | | | Construction | Surface | Bottom | Delta to | Owner | Owner Business | Regulatory Program |
|----------|----------|----------|------------|--------------|-----------|-----------|-----------|--------|--------------------------------|--------------------|
| NUMBER | lat27 | lon27 | Quadrangle | Date | Elevation | Elevation | Mine Roof | | | |
| 80011418 | 38.86361 | -84.6642 | Verona | 1/1/1900 | 762.46 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80011419 | 38.86361 | -84.6583 | Verona | 1/1/1900 | 784.17 | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80012127 | 38.90417 | -84.8358 | Rising Sun | 11/10/1980 | 530 | 86 | 444 | 308 | Cincinnati Gas & Electric | Solid Waste |
| 80012127 | 38.90417 | -84.8358 | Rising Sun | 11/10/1980 | 530 | 86 | 444 | 308 | Duke Energy Kentucky Inc | Solid Waste |
| 80012133 | 38.90083 | -84.8483 | Rising Sun | 11/26/1980 | 475 | 57 | 418 | 282 | Cincinnati Gas & Electric | Solid Waste |
| 80012133 | 38.90083 | -84.8483 | Rising Sun | 11/26/1980 | 475 | 57 | 418 | 282 | Duke Energy Kentucky Inc | Solid Waste |
| 80012134 | 38.90083 | -84.8411 | Rising Sun | 11/13/1980 | 475 | 108 | 367 | 231 | Cincinnati Gas & Electric | Solid Waste |
| 80012134 | 38.90083 | -84.8411 | Rising Sun | 11/13/1980 | 475 | 108 | 367 | 231 | Duke Energy Kentucky Inc | Solid Waste |
| 80012135 | 38.90111 | -84.8361 | Rising Sun | 3/28/1991 | 475 | 33 | 442 | 306 | Cincinnati Gas & Electric | Solid Waste |
| 80012135 | 38.90111 | -84.8361 | Rising Sun | 3/28/1991 | 475 | 33 | 442 | 306 | Duke Energy Kentucky Inc | Solid Waste |
| 80012488 | 38.81611 | -84.7694 | Patriot | 4/20/1994 | 680 | 18 | 662 | 526 | Old Starlite Tavern | UST |
| 80012489 | 38.81611 | -84.7694 | Patriot | 4/20/1994 | 680 | 15 | 665 | 529 | Old Starlite Tavern | UST |
| 80012490 | 38.81611 | -84.7694 | Patriot | 4/20/1994 | 680 | 8.5 | 671.5 | 535.5 | Old Starlite Tavern | UST |
| 80026034 | 38.85972 | -84.6603 | Verona | 5/8/1995 | 759.34 | 16 | 743.34 | 607.34 | Bavarian Trucking Co Inc | Solid Waste |
| 80026035 | 38.86 | -84.665 | Verona | 5/10/1995 | 723.22 | 16.3 | 706.92 | 570.92 | Bavarian Trucking Co Inc | Solid Waste |
| 80026544 | 38.90278 | -84.8417 | Rising Sun | 11/1/1993 | 540 | 80 | 460 | 324 | Cincinnati Gas & Electric | Solid Waste |
| 80026544 | 38.90278 | -84.8417 | Rising Sun | 11/1/1993 | 540 | 80 | 460 | 324 | Duke Energy Kentucky Inc | Solid Waste |
| 80026544 | 38.90056 | -84.8419 | Rising Sun | 10/13/1995 | 475 | 41 | 434 | 298 | Cincinnati Gas & Electric | Solid Waste |
| 80026544 | 38.90056 | -84.8419 | Rising Sun | 10/13/1995 | 475 | 41 | 434 | 298 | Duke Energy Kentucky Inc | Solid Waste |
| 80026547 | 38.90417 | -84.8444 | Rising Sun | 10/17/1995 | 520 | 80.5 | 439.5 | 303.5 | Cincinnati Gas & Electric | Solid Waste |
| 80026547 | 38.90417 | -84.8444 | Rising Sun | 10/17/1995 | 520 | 80.5 | 439.5 | 303.5 | Duke Energy Kentucky Inc | Solid Waste |
| 80026549 | 38.90194 | -84.8292 | Rising Sun | 10/18/1995 | 470 | 30.5 | 439.5 | 303.5 | Cincinnati Gas & Electric | Solid Waste |
| 80026549 | 38.90194 | -84.8292 | Rising Sun | 10/18/1995 | 470 | 30.5 | 439.5 | 303.5 | Duke Energy Kentucky Inc | Solid Waste |
| 80029573 | 38.90121 | -84.8476 | Rising Sun | 11/30/2005 | 120 | | | | Cincinnati Gas & Electric | Solid Waste |
| 80029573 | 38.90121 | -84.8476 | Rising Sun | 11/30/2005 | 120 | | | | Duke Energy Kentucky Inc | Solid Waste |
| 80029577 | 38.902 | -84.8484 | Rising Sun | 12/2/2005 | 120 | | | | Cincinnati Gas & Electric | Solid Waste |
| 80029577 | 38.902 | -84.8484 | Rising Sun | 12/2/2005 | 120 | | | | Duke Energy Kentucky Inc | Solid Waste |
| 80029864 | 38.74278 | -84.8358 | Glencoe | 5/29/1996 | 680 | 7.5 | 672.5 | 536.5 | Glencoe Carry-out | UST |
| 80029865 | 38.74278 | -84.8358 | Glencoe | 5/29/1996 | 680 | 12 | 668 | 532 | Glencoe Carry-out | UST |
| 80029872 | 38.74278 | -84.8358 | Glencoe | 6/7/1996 | 680 | 15 | 665 | 529 | Glencoe Carry-out | UST |
| 80029873 | 38.74278 | -84.8358 | Glencoe | 6/7/1996 | 680 | 13 | 667 | 531 | Glencoe Carry-out | UST |
| 80029874 | 38.74278 | -84.8358 | Glencoe | 6/7/1996 | 680 | 23 | 657 | 521 | Glencoe Carry-out | UST |
| 80029875 | 38.74278 | -84.8358 | Glencoe | 6/7/1996 | 680 | 30 | 650 | 514 | Glencoe Carry-out | UST |
| 80030354 | 38.74278 | -84.8358 | Glencoe | 6/19/1996 | 680 | 30 | 650 | 514 | Glencoe Carry-out | UST |
| 80030355 | 38.74278 | -84.8358 | Glencoe | 6/19/1996 | 680 | 18 | 662 | 526 | Glencoe Carry-out | UST |
| 80030356 | 38.74278 | -84.8358 | Glencoe | 6/20/1996 | 680 | 43 | 637 | 501 | Glencoe Carry-out | UST |
| 80030955 | 38.74222 | -84.8347 | Glencoe | 9/4/1996 | 690 | 25 | 665 | 529 | Glencoe Carry-out | UST |
| 80030956 | 38.74222 | -84.8347 | Glencoe | 9/4/1996 | 690 | 25 | 665 | 529 | Glencoe Carry-out | UST |
| 80032432 | 38.86667 | -84.6483 | Verona | 7/12/1999 | 840 | 23.7 | 816.3 | 680.3 | Bavarian Trucking Co Inc | Solid Waste |
| 80032433 | 38.86667 | -84.6483 | Verona | 7/12/1999 | 831 | 30.5 | 800.5 | 664.5 | Bavarian Trucking Co Inc | Solid Waste |
| 80035870 | 38.74194 | -84.8347 | Glencoe | 11/9/1998 | 700 | 30.5 | 669.5 | 533.5 | Glencoe Carry-out | UST |
| 80035879 | 38.74222 | -84.8347 | Glencoe | 11/9/1998 | 690 | 6 | 684 | 548 | Glencoe Carry-out | UST |
| 80035880 | 38.74222 | -84.8347 | Glencoe | 11/9/1998 | 690 | 7 | 683 | 547 | Glencoe Carry-out | UST |
| 80037728 | 38.88611 | -84.7522 | Rising Sun | 7/16/2004 | 460 | | | | Kentucky State Parks | |
| 80038750 | 38.74278 | -84.8358 | Glencoe | 1/12/2000 | 680 | 20.2 | 659.8 | 523.8 | Glencoe Carry-out | UST |
| 80039695 | 38.77111 | -84.9311 | Florence | 5/24/2000 | 460 | 15.5 | 444.5 | 308.5 | Dans Marina | UST |
| 80039696 | 38.77111 | -84.9311 | Florence | 5/24/2000 | 460 | 15.5 | 444.5 | 308.5 | Dans Marina | UST |
| 80039697 | 38.77111 | -84.9311 | Florence | 5/24/2000 | 460 | 15.5 | 444.5 | 308.5 | Dans Marina | UST |
| 80040053 | 38.77556 | -84.9156 | Florence | 9/29/2000 | 490 | 139 | 351 | 215 | Warsaw Water Works | |
| 80040054 | 38.78444 | -84.9092 | Florence | 9/29/2000 | 480 | 117 | 363 | 227 | Warsaw Water Works | |
| 80043988 | 38.74278 | -84.8358 | Glencoe | 10/29/2001 | 680 | 25 | 655 | 519 | Glencoe Carry-out | UST |
| 80044011 | 38.87861 | -84.6994 | Union | 12/4/2001 | 740 | 6.5 | 733.5 | 597.5 | Matracia & Matracia Partnershi | UST |

| AKGWA | | | | | Construction | Surface | Bottom | Delta to | | | Owner | Owner Business | Regulatory Program |
|----------|----------|----------|------------|----------|--------------|--------------------------------------|-----------|-------------|-----------|-----------|-------|--------------------------------|--------------------|
| NUMBER | lat27 | lon27 | Quadrangle | County | Date | Primary Use | Elevation | Total Depth | Elevation | Mine Roof | | | |
| 80044012 | 38.87861 | -84.6994 | Union | Boone | 12/4/2001 | MONITORING WELL - AMBIENT MONITORING | 740 | 10.2 | 729.8 | 593.8 | | Matracia & Matracia Partnershi | UST |
| 80044013 | 38.87861 | -84.6994 | Union | Boone | 12/4/2001 | MONITORING WELL - AMBIENT MONITORING | 740 | 9.3 | 730.7 | 594.7 | | Matracia & Matracia Partnershi | UST |
| 80044014 | 38.87861 | -84.6994 | Union | Boone | 12/4/2001 | MONITORING WELL - AMBIENT MONITORING | 740 | 9 | 731 | 595 | | Matracia & Matracia Partnershi | UST |
| 80049181 | 38.76056 | -84.7889 | Patriot | Gallatin | 5/4/2004 | MONITORING WELL - AMBIENT MONITORING | 850 | | | | | Napoleon Grocery | UST |
| 80049182 | 38.76056 | -84.7889 | Patriot | Gallatin | 5/3/2004 | MONITORING WELL - AMBIENT MONITORING | 850 | | | | | Napoleon Grocery | UST |
| 80049185 | 38.76056 | -84.7889 | Patriot | Gallatin | 5/3/2004 | MONITORING WELL - AMBIENT MONITORING | 850 | | | | | Napoleon Grocery | UST |
| 80049186 | 38.76056 | -84.7889 | Patriot | Gallatin | 5/4/2004 | MONITORING WELL - AMBIENT MONITORING | 850 | | | | | Napoleon Grocery | UST |
| 80049425 | 38.87861 | -84.6994 | Union | Boone | 1/5/2004 | MONITORING WELL - AMBIENT MONITORING | 740 | 6 | 734 | 598 | | Matracia & Matracia Partnershi | UST |
| 80049426 | 38.87861 | -84.6994 | Union | Boone | 1/5/2004 | MONITORING WELL - AMBIENT MONITORING | 740 | 8 | 732 | 596 | | Matracia & Matracia Partnershi | UST |
| 80049427 | 38.87861 | -84.6994 | Union | Boone | 1/5/2004 | MONITORING WELL - AMBIENT MONITORING | 740 | 8.5 | 731.5 | 595.5 | | Matracia & Matracia Partnershi | UST |
| 80049428 | 38.87861 | -84.6994 | Union | Boone | 1/5/2004 | MONITORING WELL - AMBIENT MONITORING | 740 | 6.5 | 733.5 | 597.5 | | Matracia & Matracia Partnershi | UST |
| 80049429 | 38.87861 | -84.6994 | Union | Boone | 1/5/2004 | MONITORING WELL - AMBIENT MONITORING | 740 | 4 | 736 | 600 | | Matracia & Matracia Partnershi | UST |
| 80050961 | 38.85639 | -84.6669 | Verona | Boone | 11/9/2005 | MONITORING WELL - AMBIENT MONITORING | 800 | | | | | Bavarian Trucking Co Inc | Solid Waste |
| 80053954 | 38.90083 | -84.8369 | Rising Sun | Boone | 9/20/2007 | MONITORING WELL - AMBIENT MONITORING | | 45 | | | | Duke Energy Kentucky Inc | Solid Waste |
| 80053955 | 38.90389 | -84.8369 | Rising Sun | Boone | 9/18/2007 | MONITORING WELL - AMBIENT MONITORING | | 117.5 | | | | Duke Energy Kentucky Inc | Solid Waste |

Exhibit 6C

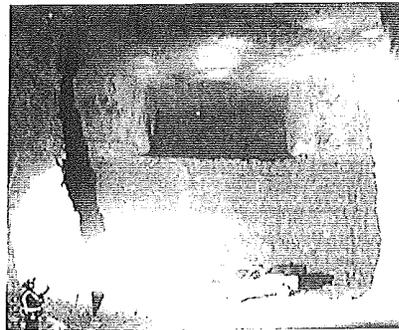
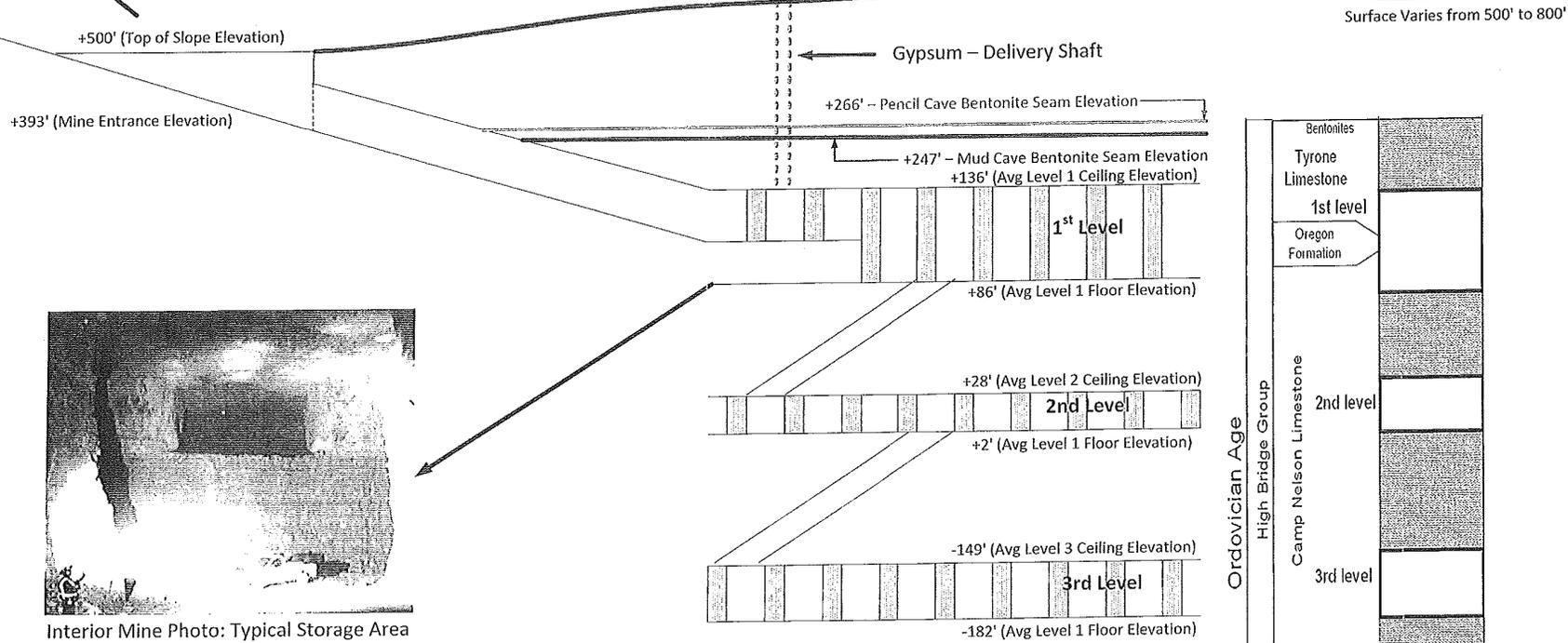
Sterling Materials – Verona, KY Underground Cross Section



Pencil Cave Bentonite Seam
Thickness: ≈ 18"
Elevation: +266'



Mud Cave Bentonite Seam
Thickness: ≈ 24"
Elevation: +247'



Interior Mine Photo: Typical Storage Area

Notes:

- ❖ Drawing Not to Scale.
- ❖ Mine ceiling and floor elevations are based on average elevations across each level.
- ❖ Bentonite Seam and Rock Stratigraphy Information Resource: Kentucky Geological Survey, University of Kentucky, Lexington Series X, 1974. High Carbonate Rock in the High Bridge Group (Middle Ordovician), Boone County, Kentucky. Author: Garland R. Dever, Jr.
- ❖ Elevations are referenced at Sea Level.

Responses to LG&E

1. Identify the disposal fee proposed by Sterling assuming delivery of CCR to the proposed mine shaft at the Sterling Ventures site (including any fee escalator over the 37 year life).

\$10.15 per ton, based upon staging the product on site, then transporting into the mine by off-road haul trucks (see answer to question 2 below), with potential adjustments up or down based upon answers to the following:

- a. Will the product be a blend of gypsum, fly ash and bottom ash, or will the products be delivered separately?
- b. What will be the moisture content of the delivered product(s)?
- c. Will any product(s) be delivered pneumatically?
- d. What is the proposed delivery schedule?
 - i. How many days per week?
 - ii. How many hours per day?
 - iii. How many tons per day (based on your requirement of 33.4 million cubic yards over 27 years are, are we correct in assuming approximately 900,000 cubic yards per year)?
 - iv. What are the density assumptions for the delivered product(s) (ton/CY)?

As the cost factors associated with moving the CCPs to and around the proposed landfill are similar to Sterling's operational cost factors, Sterling would be agreeable to the O&M escalator LG&E is assuming when calculating the comparative PVRR for the alternatives analysis between utilizing Sterling's mine or the proposed Trimble landfill.

Our goal is that, based upon the comparative PVRR analysis of the mine verses landfill options, Sterling will be, at a minimum, a \$10,000,000 PVRR lower cost alternative, without considering the considerable additional cost savings that would be generated from backhauling or barging our high calcium scrubber stone to either Ghent or Trimble County. We would work diligently with you to achieve that comparative PVRR savings.

Obviously, the comparative PVRR analysis will require consideration of transportation cost. As you did not ask about transportation cost, I assume you have, based upon the trucking logistics as outlined above, already have a bid for those costs in order to do the comparative PVRR analysis. If appropriate, Sterling would also like to be considered to provide trucking services.

2. Describe proposed methods for receiving delivery of CCR by barge or truck.

The method of receiving delivery by truck will depend in large part based upon answers to the above questions, plus a review of the TCLP analysis of the delivered products(s). For example, gypsum, if delivered separately, may require less onsite infrastructure than fly ash or bottom ash. The moisture content of the product will also affect the delivery method.

Depending on the above, the options are (i) dumping the product(s) at a staging area onsite prior to being hauled into the mine by articulated truck, (ii) dumping directly into a mine shaft specifically designed for the CCP placement, or (iii) pneumatically pumping through a pipe into the mine. Note that utilizing options (ii) and (iii) above would require capital expenditures by Sterling, but could reduce the cost per ton of placing the CCPs in the mine.

Delivery by barge will require the construction of a barge off-loading facility near Sterling's mine, which is located a little over a mile from the river. Depending upon the design of the barge facility, the CCP's could be (i) staged next to the barge facility then trucked into the mine, or (ii) conveyed directly into the mine. Barging the CCPs to Sterling's mine, especially when combined with back barging of limestone, we believe could generate enormous PVRR cost savings compared to the proposed landfill.

3. Identify the disposal capacity available in the mine as of this date and specify if disposal capacity is only available in the uppermost seam/mining level.

Sterling could utilize the all levels of the mine for the CCP placement. Sterling estimates that as of this date, there is enough existing space in the mine for at least 5,000,000 cubic yards of CCPs.

4. Identify the projected range in the mining rate over the 37 year term of any potential agreement with LG&E, explain the basis for the estimated rates, and provide the actual mining rate over the past three years for the seam where disposal will occur;

Sterling current mines between 900,000 and 1,500,000 tons of aggregate per year, depending on market conditions. In the event, LG&E purchased Sterling's high calcium limestone, the number would increase accordingly. Production tonnage for the last three years are as follows:

| | |
|------|-----------|
| 2011 | 1,451,671 |
| 2012 | 933,694 |
| 2013 | 1,181,745 |

5. Advise whether CCR material would be conveyed to a current or new mine shaft and provide the specific locations of such mine shaft(s) and specify whether the disposal fee includes Sterling Ventures paying for and installing all required shafts.

Using a mine shaft as access to the mine could decrease the above price by as much as \$1 per ton. If a mine shaft is utilized, an older existing air shaft located immediately across from Sterling's mine office would be modified and utilized. Whether the cost of such a shaft is included in the price depends upon the guaranteed time commitment of LG&E. Your email indicates that you want a guaranteed obligation to make the mine available for 37 years. If your contractual time obligation is reciprocal, all capital cost would be included in the quoted price.

6. Identify commitments proposed by Sterling to ensure that CCR from the Trimble County Station are not co-mingled with wastes or materials from other sources.

Sterling will commit that the Trimble County CCPs would be segregated from other wastes.

7. Advise whether the mine is dry and identify measures taken to keep it dry; advise if water collects in the mine and identify measures taken to handle the water (including volumes of water pumped).

The mine is essentially dry in that water does not migrate into the mine through the limestone. Water is required in mining operations for dust control. Water from the surface flowing down the access slope is collected and used for dust control. In addition, water from surface ponds is periodically pumped into the mine as to supplement water collected at the bottom of the access slope.

8. Describe any groundwater monitoring wells for the site and provide general information for each well (e.g., location, depth, quality).

Attached is the Form 7059F filed in connection with obtaining the current Permit to receive gypsum from Ghent. The document describes the location of the mine levels to groundwater. The CCPs would be placed at a minimum of 200 feet below the deepest recorded well in the area, and below two bentonite seams. Surface groundwater monitoring wells would serve no function in this situation.

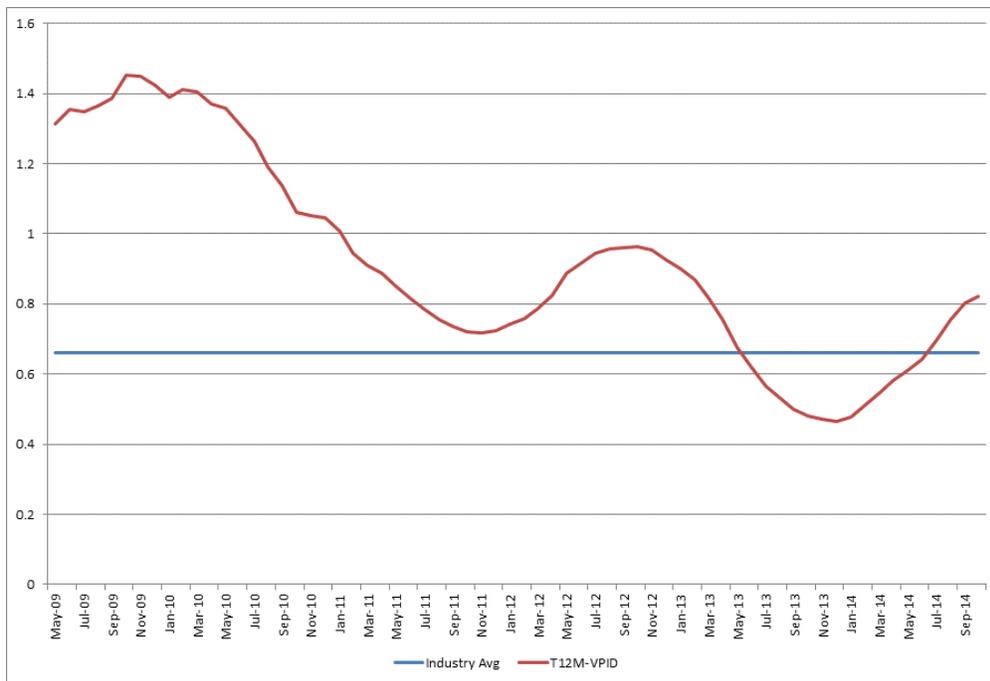
9. Provide any environmental studies or evaluations regarding the mine including those already performed for the current permit and those for addressing and obtaining any additional necessary permitting approvals for disposal of CCR products listed above.

See attached form 7059. Amending the current Permit to allow the CCPs to be placed in the mine will require submitting at a minimum TCLP analysis of the product and summary of the disposal method the parties agree to. Informal discussions with Ky. Division of Solid waste indicate that amending the Permit to allow for Trimble County's CCPs should not be a difficult process given the mine geology and current permit. We believe also worth considering as an

alternative in the comparative PVRR analysis is transporting Trimble Count’s bottom ash and fly ash to the new Ghent landfill, and its gypsum to Sterling, in order to fully take advantage of Sterling’s existing Permit without modification.

10. Provide complete safety statistics for the Sterling Ventures facility for the most recent three years.

The most accurate safety statistic is Sterling’s violation per inspection day (VPID) as calculated by the Mine Safety and Health Administration (MSHA) as compared to the industry average for underground metal/non-metal mines. The following is a chart detailing Sterling’s trailing 12 month VPID as compared to industry average for the past three years. As of September 2014, Sterling’s 12 month trailing VPID is .8 violations per eight hour inspection day.



11. Provide the most recent third-party audited financials for Sterling Ventures.

Sterling is not willing to provide confidential business information in connection with quoting pricing for services.

12. Describe the financial assurance Sterling Venture will provide to guarantee performance over the full expected life of the contract.

Sterling is agreeable to providing reasonable financial assurances based upon a fair and equal allocation of risk between the parties, and reciprocal performance assurances by LG&E for utilization of the mine as contemplated above.

From: Straight, Scott(/O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT)
To: 'John Walters (johnwalters@sterlingventures.com)'
CC:
BCC:
Subject: RE: Trimble County CCR Disposal
Sent: 10/24/2014 01:34:30 PM -0400 (EDT)
Attachments:

John, will we be receiving Sterling Ventures' response later today?

Scott Straight

Director Project Engineering
LG&E and KU Energy, LLC
502-627-2701

From: Straight, Scott
Sent: Friday, October 17, 2014 3:12 PM
To: John Walters
Subject: Re: Trimble County CCR Disposal

Thanks John

On Oct 17, 2014, at 12:10 PM, "John Walters" <johnwalters@sterlingventures.com> wrote:

Scott

We are still working on response to your email. You should have something next week.

Thanks

John

John W. Walters, Jr.
Sterling Ventures, LLC
376 South Broadway
Lexington, KY 40508
Phone (859) 259-9600
Fax (859) 259-9601

johnwalters@sterlingventures.com

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On Fri, Oct 3, 2014 at 12:37 PM, Straight, Scott <Scott.Straight@lge-ku.com> wrote:
Mr. Walters:

LG&E is in receipt of your email of September 24, 2014 in which Sterling Ventures expressed interest in entering into a business arrangement to manage and dispose of coal combustion residuals ("CCR"), i.e., fly ash, bottom ash, pyrites, and gypsum, generated at the company's Trimble County Station. As a result of comments received from

U.S. EPA in August 2014 on the alternatives analysis submitted by LG&E to the U. S. Army Corps to support a Clean Water Act permit application for CCR disposal in an adjacent ravine to Trimble County Station, LG&E is evaluating the feasibility of using the Sterling Ventures mine site for management and disposal of CCR generated at the Trimble Station over the anticipated life of the facility (i.e., a minimum of 37 years). Accordingly, your email and invitation to meet to discuss the logistics and costs of disposal of CCR at Sterling Ventures underground limestone mine are timely.

As a preliminary step, LG&E needs to understand and confirm Sterling Venture's technical plans and commitments that would create commercially viable long term CCR disposal capacity and ensure safe and environmentally compliant disposal of 33.4 million cubic yards of such material over the Trimble County Station's operating life. In previous negotiations in the 2010-2013 period to assess the feasibility for disposal of CCR from the Ghent Station at the Sterling Ventures mine site, Sterling's proposal was limited to gypsum and encompassed sale of limestone to Ghent with backhauling of gypsum. In this instance, we require specific information on disposal fees that would be charged for disposal of all CCR generated at the Trimble County Station without consideration of purchase of limestone. We also need other basic information that will allow us to assess the commercial and environmental viability of long term disposal of CCR at the Sterling Ventures mine site. Accordingly, we request the following information:

- (1) Identify the disposal fee proposed by Sterling assuming delivery of CCR to the proposed mine shaft at the Sterling Ventures site (including any fee escalator over the 37 year life);
- (2) Describe proposed methods for receiving delivery of CCR by barge or truck;
- (3) Identify the disposal capacity available in the mine as of this date and specify if disposal capacity is only available in the uppermost seam/mining level;
- (4) Identify the projected range in the mining rate over the 37 year term of any potential agreement with LG&E, explain the basis for the estimated rates, and provide the actual mining rate over the past three years for the seam where disposal will occur;
- (5) Advise whether CCR material would be conveyed to a current or new mine shaft and provide the specific locations of such mine shaft(s) and specify whether the disposal fee includes Sterling Ventures paying for and installing all required shafts;
- (6) Identify commitments proposed by Sterling to ensure that CCR from the Trimble County Station are not co-mingled with wastes or materials from other sources;
- (7) Advise whether the mine is dry and identify measures taken to keep it dry; advise if water collects in the mine and identify measures taken to handle the water (including volumes of water pumped);
- (8) Describe any groundwater monitoring wells for the site and provide general information for each well (e.g., location, depth, quality);
- (9) Provide any environmental studies or evaluations regarding the mine including those already performed for the current permit and those for addressing and obtaining any additional necessary permitting approvals for disposal of CCR products listed above;
- (10) Provide complete safety statistics for the Sterling Ventures facility for the most recent three years;

- (11) Provide the most recent third-party audited financials for Sterling Ventures; and
- (12) Describe the financial assurance Sterling Venture will provide to guarantee performance over the full expected life of the contract.

Please provide the above information no later than October 14, 2014. Feel free to contact Paul Puckett at [\(502\) 627-4659](tel:502-627-4659) or at paul.puckett@lge-ku.com if you have any questions. Upon receipt of the above information, we will determine additional steps necessary for evaluation of this alternative.

Thank you in advance for your cooperation.

Scott Straight

Director Project Engineering
LG&E and KU Energy, LLC
[502-627-2701](tel:502-627-2701)

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From: Straight, Scott(/O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT)
To: John Walters
CC:
BCC:
Subject: Re: Trimble County CCR Disposal
Sent: 10/17/2014 03:11:40 PM -0400 (EDT)
Attachments:

Thanks John

On Oct 17, 2014, at 12:10 PM, "John Walters" <johnwalters@sterlingventures.com> wrote:

Scott

We are still working on response to your email. You should have something next week.

Thanks

John

John W. Walters, Jr.
Sterling Ventures, LLC
376 South Broadway
Lexington, KY 40508
Phone (859) 259-9600
Fax (859) 259-9601

johnwalters@sterlingventures.com

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On Fri, Oct 3, 2014 at 12:37 PM, Straight, Scott <Scott.Straight@lge-ku.com> wrote:

Mr. Walters:

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As a preliminary step, LG&E needs to understand and confirm Sterling Venture's technical plans and commitments that would create commercially viable long term CCR disposal capacity and ensure safe and environmentally compliant disposal of 33.4 million cubic yards of such material over the Trimble County Station's operating life. In previous negotiations in the 2010-2013 period to assess the feasibility for disposal of CCR from the Ghent Station at the Sterling Ventures mine site, Sterling's proposal was limited to gypsum and encompassed sale of limestone to Ghent with backhauling of gypsum. In this instance, we require specific information on disposal fees that would be charged for disposal of all CCR generated at the Trimble County Station without consideration of purchase of limestone. We also need other basic information that will allow us to assess the commercial and environmental viability of long term

disposal of CCR at the Sterling Ventures mine site. Accordingly, we request the following information:

- (1) Identify the disposal fee proposed by Sterling assuming delivery of CCR to the proposed mine shaft at the Sterling Ventures site (including any fee escalator over the 37 year life);
- (2) Describe proposed methods for receiving delivery of CCR by barge or truck;
- (3) Identify the disposal capacity available in the mine as of this date and specify if disposal capacity is only available in the uppermost seam/mining level;
- (4) Identify the projected range in the mining rate over the 37 year term of any potential agreement with LG&E, explain the basis for the estimated rates, and provide the actual mining rate over the past three years for the seam where disposal will occur;
- (5) Advise whether CCR material would be conveyed to a current or new mine shaft and provide the specific locations of such mine shaft(s) and specify whether the disposal fee includes Sterling Ventures paying for and installing all required shafts;
- (6) Identify commitments proposed by Sterling to ensure that CCR from the Trimble County Station are not co-mingled with wastes or materials from other sources;
- (7) Advise whether the mine is dry and identify measures taken to keep it dry; advise if water collects in the mine and identify measures taken to handle the water (including volumes of water pumped);
- (8) Describe any groundwater monitoring wells for the site and provide general information for each well (e.g., location, depth, quality);
- (9) Provide any environmental studies or evaluations regarding the mine including those already performed for the current permit and those for addressing and obtaining any additional necessary permitting approvals for disposal of CCR products listed above;
- (10) Provide complete safety statistics for the Sterling Ventures facility for the most recent three years;
- (11) Provide the most recent third-party audited financials for Sterling Ventures; and
- (12) Describe the financial assurance Sterling Venture will provide to guarantee performance over the full expected life of the contract.

Please provide the above information no later than October 14, 2014. Feel free to contact Paul Puckett at [\(502\) 627-4659](tel:5026274659) or at paul.puckett@lge-ku.com if you have any questions. Upon receipt of the above information, we will determine additional steps necessary for evaluation of this alternative.

Thank you in advance for your cooperation.

Scott Straight

Director Project Engineering

LG&E and KU Energy, LLC

[502-627-2701](tel:502-627-2701)

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From: Waterman, Bob(/O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=N090836)
To: Lipp, Joan
CC:
BCC:
Subject: Accepted: SV Reply due to LGE sent from RSS 10/3
Sent: 10/13/2014 08:42:24 AM -0400 (EDT)
Attachments:

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|--------------------|----------------------|---|--|--|--|------------|------------------------------------|--|
| 3229 | 10/27/2014 | FW: CCPs | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Tapp Sr., Kenny (Electric) Kenny.Tapp@lge-ku.com; Smith, Timothy (Fuels) Timothy.Smith@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 3232 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 3233 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 3234 | 2014-09-25 | FW: CCPs/Trimble County Landfill | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Joyce, Jeff Jeff.Joyce@lge-ku.com; Tapp Sr., Kenny (Electric) Kenny.Tapp@lge-ku.com; Smith, Timothy (Fuels) Timothy.Smith@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 3662 | 2015-06-29 | RE: Sterling Ventures - email recon | Puckett, Paul /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=PA ULPUCKETT | Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Needham, Meredith Meredith.Needham@lge-ku.com | Tapp Sr., Kenny (Electric) Kenny.Tapp@lge-ku.com; Smith, Timothy (Fuels) Timothy.Smith@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 3663 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O'Brien, Dorothy (Dot) Dorothy.O'Brien@lge-ku.com; Samuelabboone aboone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 3665 | 2010-07-29 | Form 7059.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 14576 | 2014-10-27 | FW: CCPs | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Tapp Sr., Kenny (Electric) Kenny.Tapp@lge-ku.com; Smith, Timothy (Fuels) Timothy.Smith@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

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September 3, 2015

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|-------------|---------------|--------------------------------------|--|--|--|-----|------------------------------------|--|
| 14577 | 2014-10-25 | ATT00001.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 14578 | 2014-10-25 | ATT00002.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 14579 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 14580 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 14581 | 2014-09-25 | FW: CCPs/Trimble County Landfill | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Joyce, Jeff Jeff.Joyce@lge-ku.com; Tapp Sr., Kenny (Electric) Kenny.Tapp@lge-ku.com; Smith, Timothy (Fuels) Timothy.Smith@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 17978 | 2014-10-25 | Fwd: CCPs | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=JO ANLIPP | lwa@lwasf.com lwa@lwasf.com; thomas.jackson thomas.jackson@bakerbotts.com ; Bender Jack (jbender@bgdlegal.com) JCB@GDM.com; molly.cagle@bakerbotts.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 17979 | 2014-10-25 | ATT00001.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 17980 | 2014-10-25 | ATT00002.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

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|-------------|---------------|---|--|---|---|---|------------------------------------|--|
| 17981 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 17982 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 17984 | 2014-10-03 | Sterling Ventures | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Straight, Scott Scott.Straight@lge-ku.com | Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com | thomas.jackson@bakerbotts.com; m; lwa@lwasf.com lwa@lwasf.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 17985 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 21556 | 2015-06-26 | FW: Sterling Ventures - email recon | Needham, Meredith /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E026103 | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com | Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

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|--------------------|----------------------|---|--|---|---|------------|------------------------------------|---|
| 21557 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Samuelabboone aboone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 21567 | 2015-06-26 | RE: Sterling Ventures - email recon | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Needham, Meredith Meredith.Needham@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 21568 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Samuelabboone aboone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 25737 | 2015-06-26 | TC CCR: Sterling Venture Letter | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Ehrler, Bob Bob.Ehrler@lge-ku.com | Lipp, Joan Joan.Lipp@lge-ku.com; Watson, Joseph Joseph.Watson@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Chandler, Marissa Marissa.Chandler@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Work product prepared by counsel in context of 404 proceeding. |
| 25738 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |

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|-------------|---------------|--------------------------------------|---|---------------------------------------|----|-----|-------------------------|--|
| 31700 | 2014-10-28 | RE: CCPs | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A ADMINISTRATIVE/CN=MICHAELWINKLER | Voyles, John John.Voyles@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31701 | 2014-10-28 | RE: CCPs | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A ADMINISTRATIVE/CN=MICHAELWINKLER | Voyles, John John.Voyles@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31704 | 2014-10-28 | RE: CCPs | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A ADMINISTRATIVE/CN=MICHAELWINKLER | Voyles, John John.Voyles@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31730 | 2014-10-24 | Fwd: CCPs | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A ADMINISTRATIVE/CN=MICHAELWINKLER | Puckett, Paul Paul.Puckett@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31731 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31732 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31733 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31734 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 31735 | 2014-10-24 | FW: Trimble County CCR Disposal | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A ADMINISTRATIVE/CN=MICHAELWINKLER | Puckett, Paul Paul.Puckett@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

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|--------------------|----------------------|---|---|---|--|------------|---------------------------------|---|
| 35506 | 2014-10-22 | 2014-10-22_Minutes from Pending Landfill Permit Discussion_DRAFT.docx | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=MICHAELWINKLER | Shannon, Maxwell Maxwell.Shannon@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |
| 35507 | 2014-10-22 | 2014-10-22_Minutes from Pending Landfill Permit Discussion_DRAFT.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |
| 35619 | 2014-10-17 | MMR for 10-20-14 | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=MICHAELWINKLER | Revlett, Gary Gary.Revlett@lge-ku.com | Noland, Steve Steve.Noland@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 35620 | 2014-10-16 | MMR for 10-20-14 (EA final).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 35714 | 2014-10-10 | FW: EA Material Matters Weekly Update | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=MICHAELWINKLER | Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |

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|-------------|---------------|--------------------------------------|--|--|----|-----|------------------------------------|--|
| 35715 | 2014-10-09 | MMR for 10-13-14 (EA final).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 35893 | 2014-09-29 | RE: Sterling Ventures | Winkler, Michael /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=MICHAELWINKLER | Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 38101 | 2014-12-05 | FW: Sterling Ventures CCR Storage | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=EB005661 | Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; lwa@lwasf.com lwa@lwasf.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 38638 | 2014-10-31 | FW: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Ehrler, Bob Bob.Ehrler@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel re email communications with Sterling Ventures. |

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|-------------|---------------|---|---|---|--|-----|------------------------------------|--|
| 38639 | 2014-10-31 | RE: Draft Sterling Ventures Response -- Confidential and Privileged Communication | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com m; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 38645 | 2014-10-31 | FW: Draft Sterling Ventures Response -- Confidential and Privileged Communication | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 38678 | 2014-10-24 | Fwd: CCPs | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 38680 | 2015-01-23 | ATT00002.htm - 232 B | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

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|-------------|---------------|--|--|--|--|-----|---------------------------------|--|
| 38681 | 2015-01-23 | Form 7056.pdf - 1 MB | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 38682 | 2015-01-23 | Response to LGE Questions.pdf - 41 KB | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 42289 | 2014-09-19 | TC CCR: Supplemental Alternative Analysis Questions on Sterling Venture Site | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Bender, Jack jbender@bgdlegal.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; lwa@lwasf.com lwa@lwasf.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; Winkler, Michael Michael.Winkler@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 42308 | 2014-09-23 | Action items from today's call | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com | molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; jbender@bgdlegal.com; jbender@bgdlegal.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding possible communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |

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|--------------------|----------------------|---|--|---|--|------------|------------------------------------|---|
| 42323 | 2014-09-24 | FW: CCPs/Trimble County Landfill | Puckett, Paul /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=PA ULPUCKETT | Waterman, Bob Bob.Waterman@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bender, Jack jbender@bgdlegal.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; thomas.jackson@bakerbottsm.com thomas.jackson@bakerbottsm.com; Lee Wilson and Associates lwa@lwasf.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding possible communications with Sterling Ventures. |
| 42361 | 2014-10-02 | RE: Sterling Ventures | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbottsm.com thomas.jackson@bakerbottsm.com ; lwa@lwasf.com lwa@lwasf.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding possible communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

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Case No. 2015-00194**

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for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege | |
|-------------|---------------|--------------------------------------|--------------------------------------|---|----|-----|------------------------------------|--|--|
| 42362 | 2014-10-02 | RE: Sterling Ventures | Bender, Jack jbender@bgdlegal.com | Bowling, Ralph Ralph.Bowling@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding possible communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. Confidential and privileged communication between client and counsel regarding possible communications with Sterling Ventures. |
| 42363 | 2014-12-31 | 0824_001.pdf - 352 KB | | | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared by counsel in context of 404 proceeding. Confidential and privileged communication between client and counsel regarding possible communications with Sterling Ventures. | |
| 42364 | 2014-12-31 | image001.gif - 5 KB | | | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared by counsel in context of 404 proceeding. | |

**Kentucky Public Service Commission
Case No. 2015-00194**

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|-------------|---------------|--------------------------------------|---|--|----|---------------------------------------|------------------------------------|---|
| 42367 | 2014-10-02 | RE: Sterling Ventures | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding possible communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 42374 | 2014-10-03 | FW: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | Puckett, Paul Paul.Puckett@lge-ku.com | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

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|-------------|---------------|--------------------------------------|---|---|---|-----|-------------------------|---|
| 42507 | 2014-10-17 | Fwd: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; | Lipp, Joan Joan.Lipp@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 42508 | 2014-10-17 | FW: Trimble County CCR Disposal | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=005661 | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | Puckett, Paul Paul.Puckett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 110889 | 2015-06-17 | FW: CCPs | Conroy, Robert /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=CONROYR | Schroeder, Andrea Andrea.Schroeder@lge-ku.com; Knoy, Jason Jason.Knoy@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email communications with Sterling Ventures. |
| 110890 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email communications with Sterling Ventures. |
| 110891 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email communications with Sterling Ventures. |
| 110892 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email communications with Sterling Ventures. |
| 110893 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

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|-------------|---------------|--|--|---|--|-----|------------------------------------|--|
| 129787 | 2014-12-15 | Material Matters Report--Week of December 15, 2014 | Johnson, Cheryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=CHERYLJOHNSON | Reynolds, Gerald Gerald.Reynolds@lge-ku.com; O'Brien, Dorothy (Dot) Dorothy.O'Brien@lge-ku.com; Cornett, Greg Greg.Cornett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Shaw, Dana Dana.Shaw@lge-ku.com; Hardison, Carol Carol.Hardison@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 129788 | 2014-12-15 | 12-15 final.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 129917 | 2014-12-12 | RE: Material Matters Report - 12/15/14 - Bob's Updates | Shannon, Maxwell /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E026633 | Johnson, Cheryl Cheryl.Johnson@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 129918 | 2014-12-12 | 2014-12-15_Material Matter Report_DRAFT_Bob Revised (2).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |

**Kentucky Public Service Commission
Case No. 2015-00194**

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|-------------|---------------|---|--|---|---|-----|---------------------------------|--|
| 129934 | 2014-12-12 | 2014-12-15_Material Matter Report_DRAFT_Bo b Revised | Shannon, Maxwell /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 026633 | Johnson, Cheryl Cheryl.Johnson@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 129935 | 2014-12-12 | 2014-12-15_Material Matter Report_DRAFT_Bo b Revised.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 129942 | 2014-12-11 | EA Material Matters Weekly Update | Revlett, Gary /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 010769 | Johnson, Cheryl Cheryl.Johnson@lge-ku.com | Shaw, Dana Dana.Shaw@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 129943 | 2014-12-11 | MMR for 12-15-14 (EA Final).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 129951 | 2014-12-12 | Material Matters Report - 12/15/14 - Bob's Updates | Shannon, Maxwell /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 026633 | Johnson, Cheryl Cheryl.Johnson@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |

**Kentucky Public Service Commission
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|-------------|---------------|--|--|----|--|-----|------------------------------------|--|--|--|--|
| 129952 | 2014-12-12 | 2014-12-15_Material Matter Report_DRAFT.doc | x | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. | | | |
| | | | | | Cornett, Greg Greg.Cornett@lge-ku.com; Crump, Travis Travis.Crump@lge-ku.com; Dimas, Jim Jim.Dimas@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Fendig, John John.Fendig@lge-ku.com; Fox, Beth Beth.Fox@lge-ku.com; Gregor, Christy Christy.Gregor@lge-ku.com; Hollis, Kelly Kelly.Hollis@lge-ku.com; Huguenard, Jim jim.huguenard@lge-ku.com; Keisling, Jennifer Jennifer.Keisling@lge-ku.com; Needham, Meredith Meredith.Needham@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Shannon, Maxwell Maxwell.Shannon@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Warren, Jay Jay.Warren@lge-ku.com; Wilkins, Janel Janel.Wilkins@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | | | | | | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130036 | 2014-12-11 | Material Matters Report--Week of December 15, 2014--ACTION REQUIRED! | Johnson, Cheryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=CHERYLJOHNSON | | | | 1-AttorneyClient; 2-WorkProduct | | | | |

**Kentucky Public Service Commission
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|-------------|---------------|---|--|---|--|-----|------------------------------------|--|
| 130037 | 2014-12-11 | 12-15 edits.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130258 | 2014-12-08 | Material Matters Report--Week of December 8 | Johnson, Cheryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=CHERYLJOHNSON | Reynolds, Gerald Gerald.Reynolds@lge-ku.com; O'Brien, Dorothy (Dot) Dorothy.O'Brien@lge-ku.com; Cornett, Greg Greg.Cornett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Shaw, Dana Dana.Shaw@lge-ku.com; Hardison, Carol Carol.Hardison@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130259 | 2014-12-08 | 12-8 final r1.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130310 | 2014-12-06 | Re: Sterling Ventures CCR Storage | O'Brien, Dorothy (Dot) /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=DOTO'BRIEN | Straight, Scott Scott.Straight@lge-ku.com | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 130344 | 2014-12-05 | Fwd: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; O'Brien, Dorothy (Dot) Dorothy.O'Brien@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

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|-------------|---------------|---|---|--|---|-----|------------------------------------|--|
| 130352 | 2014-12-05 | EA Material Matters Weekly Update | Revlett, Gary /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 010769 | Johnson, Cheryl Cheryl.Johnson@lge-ku.com | Shaw, Dana Dana.Shaw@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130353 | 2014-12-04 | MMR for 12-8-14 (EA Final).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130382 | 2014-12-05 | 2014-12-08_Material Matter Report_DRAFT_Bo b's Revisions | Shannon, Maxwell /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 026633 | Johnson, Cheryl Cheryl.Johnson@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130383 | 2014-12-05 | 2014-12-08_Material Matter Report_DRAFT_Bo b's Revisions.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |

**Kentucky Public Service Commission
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|-------------|---------------|---|--|---|----|-----|------------------------------------|--|
| 130555 | 2014-12-03 | Material Matters Report--Week of December 8 | Johnson, Cheryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=CHERYLJOHNSON | Cornett, Greg Greg.Cornett@lge-ku.com; Crump, Travis Travis.Crump@lge-ku.com; Dimas, Jim Jim.Dimas@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Fendig, John John.Fendig@lge-ku.com; Fox, Beth Beth.Fox@lge-ku.com; Gregor, Christy Christy.Gregor@lge-ku.com; Hollis, Kelly Kelly.Hollis@lge-ku.com; Huguenard, Jim jim.huguenard@lge-ku.com; Keisling, Jennifer Jennifer.Keisling@lge-ku.com; Needham, Meredith Meredith.Needham@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Shannon, Maxwell Maxwell.Shannon@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Warren, Jay Jay.Warren@lge-ku.com; Wilkins, Janel Janel.Wilkins@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 130556 | 2014-12-03 | 12-8 edits.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |

**Kentucky Public Service Commission
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|-------------|---------------|---|--|--|---|-----|------------------------------------|--|
| 130654 | 2014-12-02 | Re: Sterling Ventures CCR Storage | Bowling, Ralph /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=RALPHBOWLING | O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com | Voyles, John John.Voyles@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Shaw, Dana Dana.Shaw@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 130682 | 2014-12-02 | RE: Sterling Ventures CCR Storage | O brien, Dorothy (Dot) /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=DOTO BRIEN | Voyles, John John.Voyles@lge-ku.com | Straight, Scott Scott.Straight@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Shaw, Dana Dana.Shaw@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 130687 | 2014-12-02 | Re: Sterling Ventures CCR Storage | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=JOHNVOYLES | O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com | Straight, Scott Scott.Straight@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Shaw, Dana Dana.Shaw@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 130712 | 2014-12-02 | RE: Sterling Ventures CCR Storage | O brien, Dorothy (Dot) /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=DOTO BRIEN | Straight, Scott Scott.Straight@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Shaw, Dana Dana.Shaw@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 130808 | 2014-12-01 | Material Matters Report--Week of December 1, 2014 | Johnson, Cheryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=CHERYLJOHNSON | Reynolds, Gerald Gerald.Reynolds@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Cornett, Greg Greg.Cornett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Noland, Steve Steve.Noland@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Shaw, Dana Dana.Shaw@lge-ku.com; Hardison, Carol Carol.Hardison@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |

**Kentucky Public Service Commission
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|-------------|---------------|--------------------------------------|---|--|----|-----|------------------------------------|--|
| 130809 | 2014-12-01 | 12-1 final.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re multiple matters, including SV proposal. Work product created re multiple matters, including discussion of SV proposal. |
| 131971 | 2015-06-17 | FW: CCPs | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=JOHNVOYLES | Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Riggs, Kendrick R. kendrick.riggs@skofirm.com; Conroy, Robert Robert.Conroy@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Needham, Meredith Meredith.Needham@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 131972 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 131973 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 131974 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 131975 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 176696 | 2014-09-25 | FW: CCPs/Trimble County Landfill | Schram, Chuck /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=S CHRAMC | Wilson, Stuart Stuart.Wilson@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared by counsel in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|--------------------------------------|---|---|----|-----|-------------------------|--|
| 215677 | 2015-06-18 | FW: CCPs | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGH T | Schram, Chuck Chuck.Schram@lge-ku.com; Sinclair, David David.Sinclair@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email from Sterling Ventures. |
| 215678 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email from Sterling Ventures. |
| 215679 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email from Sterling Ventures. |
| 215680 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email from Sterling Ventures. |
| 215681 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email from Sterling Ventures. |
| 218752 | 2014-11-03 | FW: CCPs | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Schram, Chuck Chuck.Schram@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 218753 | 2014-10-25 | ATT00001.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 218754 | 2014-10-25 | ATT00002.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 218755 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 218756 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|---|---|--|-----|------------------------------------|--|
| 219280 | 2014-10-08 | FW: Sterling Ventures | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Schram, Chuck Chuck.Schram@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 219281 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 219533 | 2014-09-24 | RE: CCPs/Trimble County Landfill | O brien, Dorothy (Dot) /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=DO TO BRIEN /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=S CHRAMC | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com | Reynolds, Gerald Gerald.Reynolds@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 225220 | 2015-06-30 | RE: Sterling Ventures - email recon | /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=S CHRAMC | Needham, Meredith Meredith.Needham@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 225221 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O boone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|--------------------|----------------------|--|---|---|---|------------|------------------------------------|---|
| 225827 | 2015-06-30 | RE: Sterling Ventures - email recon | Schram, Chuck /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=S CHRAMC | Needham, Meredith Meredith.Needham@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 225828 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Samuelaboone Samuelaboone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 287854 | 2014-10-28 | RE: CCPs | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=JOHNVOYLES | Straight, Scott Scott.Straight@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 288000 | 2014-10-23 | Pending Landfill Permit Meetings - Draft Minutes from 10-22-14 | Shannon, Maxwell /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 026633 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|---|---|--|-----|------------------------------------|---|
| 288001 | 2014-10-23 | Minutes from 10-22-14 Pending Landfill Permit Discussion_DRAFT_2014-10-23.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |
| 288624 | 2014-10-02 | RE: Sterling Ventures | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E012383 | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; molly.cagle@bakerbotts.com; molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com; thomas.jackson@bakerbotts.com; m; lwa@lwasf.com; lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 288629 | 2014-10-02 | RE: Sterling Ventures | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=JOHNVOYLES | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; molly.cagle@bakerbotts.com; molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com; thomas.jackson@bakerbotts.com; m; lwa@lwasf.com; lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|---|--|--|---|-----|------------------------------------|---|
| 288630 | 2014-10-02 | Sterling Ventures | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 005661 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com; m; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 288631 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|---|---|---|----|-----|------------------------------------|---|
| 288649 | 2014-10-01 | FW: Sterling Ventures | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=JOHNVOYLES | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) (jbender@bgdlegal.com) (jbender@bgdlegal.com); thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 288650 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|--------------------|----------------------|---|--|--|---|---|------------------------------------|---|
| 288653 | 2014-10-01 | Sterling Ventures | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbottsm.com | thomas.jackson@bakerbottsm.com; lwa@lwasf.com lwa@lwasf.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 288654 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 288687 | 2014-09-30 | Sterling Ventures | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbottsm.com | thomas.jackson@bakerbottsm.com; molly.cagle@bakerbottsm.com; lwa@lwasf.com lwa@lwasf.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

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|-------------|---------------|---|--|---|---|---|------------------------------------|---|
| 288688 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 288700 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=JOHNVOYLES | Straight, Scott Scott.Straight@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbotts.com | thomas.jackson@bakerbotts.com; molly.cagle@bakerbotts.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |
| 288709 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Straight, Scott Scott.Straight@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbotts.com | thomas.jackson@bakerbotts.com; molly.cagle@bakerbotts.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|--------------------|----------------------|--|---|---|--|------------|------------------------------------|--|
| 288716 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E012383 | Straight, Scott Scott.Straight@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com m; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 288719 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=JOHNVOYLES | Lipp, Joan Joan.Lipp@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com m; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|--|---|--|-----|------------------------------------|--|
| 288726 | 2014-09-29 | RE: Sterling Ventures - lipp edits (relined) | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; thomas.jackson@bakerbotts.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 288727 | 2014-09-29 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site lipp redline.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 288729 | 2014-09-29 | RE: Sterling Ventures | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=JOANLIPP | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; thomas.jackson@bakerbotts.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

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|--------------------|----------------------|--|---|---|--|------------|------------------------------------|---|
| 288730 | 2014-09-29 | Sterling Ventures | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 005661 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbottsm.com thomas.jackson@bakerbottsm.com; molly.cagle@bakerbottsm.com; molly.cagle@bakerbottsm.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 288731 | 2014-09-29 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site DOCX.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 288786 | 2014-09-26 | FW: 9-24-14 Pending Landfill Permit Discussion | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=JOHNVOYLES | Shannon, Maxwell Maxwell.Shannon@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|---|---|--|-----|------------------------------------|---|
| 288787 | 2014-09-26 | 2014-09-24_Minutes from Pending Landfill Permit Discussion.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |
| 288792 | 2014-09-26 | 9-24-14 Pending Landfill Permit Discussion | Shannon, Maxwell /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E026633 | Bowling, Ralph Ralph.Bowling@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; | Straight, Scott Scott.Straight@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |
| 288793 | 2014-09-26 | 2014-09-24_Minutes from Pending Landfill Permit Discussion.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |
| 294165 | 2014-10-29 | Re: CCPs | Bowling, Ralph /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=RALPHBOWLING | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|---|---|--|---|------------------------------------|--|
| 294168 | 2014-10-29 | Re: CCPs | Bowling, Ralph /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=RALPHBOWLING | Straight, Scott Scott.Straight@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 294272 | 2014-10-02 | RE: Sterling Ventures | Bowling, Ralph /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=RALPHBOWLING | Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com m; lwa@lwaf.com lwa@lwaf.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|---|---|---|-----|------------------------------------|--|
| 294273 | 2014-10-02 | RE: Sterling Ventures | Bowling, Ralph /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=RALPHBOWLING | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) (jbender@bgdlegal.com) (jbender@bgdlegal.com); | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|--|--|---|-----|------------------------------------|--|
| 294276 | 2014-10-02 | RE: Sterling Ventures | Bowling, Ralph /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=RALPHBOWLING | Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) (jbender@bgdlegal.com) jbender@bgdlegal.com; | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 325577 | 2015-06-29 | RE: Sterling Ventures - email recon | Puckett, Paul /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=PA ULPUCKETT | Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Needham, Meredith Meredith.Needham@lge-ku.com | Tapp Sr., Kenny (Electric) Kenny.Tapp@lge-ku.com; Smith, Timothy (Fuels) Timothy.Smith@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 325578 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Samuelabboone aboone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

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|-------------|---------------|--------------------------------------|---|--|--|-----|------------------------------------|---|
| 338916 | 2015-06-29 | RE: Sterling Ventures - email recon | /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=PAULPUCKETT | Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Needham, Meredith Meredith.Needham@lge-ku.com | Tapp Sr., Kenny (Electric) Kenny.Tapp@lge-ku.com; Smith, Timothy (Fuels) Timothy.Smith@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 338917 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O'Brien, Dorothy (Dot) Dorothy.O'Brien@lge-ku.com; Samuelaboone aboone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 345161 | 2014-10-27 | Tomorrow's team call | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com | Ehrler, Bob Bob.Ehrler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com | lwa@lwasf.com lwa@lwasf.com; jbender@bgdlegal.com jbender@bgdlegal.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared by counsel in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

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|-------------|---------------|--------------------------------------|--|--|---|-----|------------------------------------|--|
| 345411 | 2014-10-14 | Agenda for today's call | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com | Ehrler, Bob Bob.Ehrler@lgeku.com | Waterman, Bob Bob.Waterman@lgeku.com; Winkler, Michael Michael.Winkler@lgeku.com; Puckett, Paul Paul.Puckett@lgeku.com; Lipp, Joan Joan.Lipp@lgeku.com; Gebert, Morgan Morgan.Gebert@lgeku.com; Beach, Jarrett Jarrett.Beach@lgeku.com; Stinnett, Jennifer jennifer.stinnett@lgeku.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; jbender@bgdlegal.com jbender@bgdlegal.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345549 | 2014-10-07 | FW: Trimble County CCR Disposal | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; molly.cagle@bakerbotts.com; molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | Waterman, Bob Bob.Waterman@lgeku.com; Lipp, Joan Joan.Lipp@lgeku.com; Winkler, Michael Michael.Winkler@lgeku.com; Puckett, Paul Paul.Puckett@lgeku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345699 | 2014-10-03 | FW: Sterling Ventures | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Puckett, Paul Paul.Puckett@lgeku.com | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|--------------------|----------------------|---|--|---|-----------|------------|------------------------------------|--|
| 345700 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345728 | 2014-10-01 | RE: TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 -- Confidential and Privileged Communication | Revlett, Gary /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 010769 | Ehrler, Bob Bob.Ehrler@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345730 | 2014-10-01 | FW: TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 -- Confidential and Privileged Communication | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 005661 | Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345731 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|---|---|---|--|------------------------------------|--|
| 345732 | 2014-10-01 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3)1.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345756 | 2014-10-01 | RE: Sterling Ventures | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGH T | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbotts.com | thomas.jackson@bakerbotts.com; molly.cagle@bakerbotts.com; molly.cagle@bakerbotts.com; lwa@lwaf.com lwa@lwaf.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345757 | 2014-10-01 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - Comments from scott of 10-1- 2014.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|--------------------------------------|--|--|-----|------------------------------------|--|
| 345770 | 2014-09-30 | RE: Sterling Ventures Safety Records -- CONFIDENTIAL ATTORNEY-WORK PRODUCT | Bender, Jack jbender@bgdlegal.com | Straight, Scott Scott.Straight@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com m; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345771 | 2014-09-30 | Image | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345772 | 2014-09-30 | image001.gif | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

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September 3, 2015

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|-------------|---------------|---|---|---|--|-----|------------------------------------|--|
| 345775 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; thomas.jackson@bakerbottsm.com; thomas.jackson@bakerbottsm.com; molly.cagle@bakerbottsm.com; molly.cagle@bakerbottsm.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345779 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Lipp, Joan Joan.Lipp@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; thomas.jackson@bakerbottsm.com; thomas.jackson@bakerbottsm.com; molly.cagle@bakerbottsm.com; molly.cagle@bakerbottsm.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345780 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - Straights comments to lipps redline (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

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|-------------|---------------|--|--|---|--|-----|------------------------------------|--|
| 345906 | 2014-09-23 | Agenda for today's call | thomas.jackson@bakerbottts.com thomas.jackson@bakerbottts.com | Ehrler, Bob Bob.Ehrler@lgeku.com | Waterman, Bob Bob.Waterman@lgeku.com; Puckett, Paul Paul.Puckett@lgeku.com; Winkler, Michael Michael.Winkler@lgeku.com; Lipp, Joan Joan.Lipp@lgeku.com; Gebert, Morgan Morgan.Gebert@lgeku.com; Beach, Jarrett Jarrett.Beach@lgeku.com; molly.cagle@bakerbottts.com molly.cagle@bakerbottts.com; jbender@bgdlegal.com jbender@bgdlegal.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 345955 | 2014-09-19 | Re: TC CCR: Supplemental Alternative Analysis Questions on Sterling Venture Site | Bender, Jack jbender@bgdlegal.com | Waterman, Bob Bob.Waterman@lgeku.com | Ehrler, Bob Bob.Ehrler@lgeku.com; lwa@lwasf.com lwa@lwasf.com; molly.cagle@bakerbottts.com molly.cagle@bakerbottts.com; thomas.jackson@bakerbottts.com m thomas.jackson@bakerbottts.com; Winkler, Michael Michael.Winkler@lgeku.com; Puckett, Paul Paul.Puckett@lgeku.com; Lipp, Joan Joan.Lipp@lgeku.com; Beach, Jarrett Jarrett.Beach@lgeku.com; Gebert, Morgan Morgan.Gebert@lgeku.com; Stinnett, Jennifer jennifer.stinnett@lgeku.com Lipp, Joan Joan.Lipp@lgeku.com; Beach, Jarrett Jarrett.Beach@lgeku.com; Stinnett, Jennifer Jennifer.Stinnett@lgeku.com; | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 689918 | 2014-10-28 | TC CCR: Supplemental Alternative Analysis-- Sterling Venture Costs and Risks | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com | Morgan.Gebert@lgeku.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|---|--|---|---|-----|-------------------------|---|
| 690442 | 2014-10-03 | TC CCR: Sterling Venture Letter | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com; Van Skaik, Joey jvanskaik@cecinc.com | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 690443 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 690663 | 2014-09-19 | RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Kent Cockley k.cockley@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; Lori Frye l.frye@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 690672 | 2014-09-19 | RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Waterman, Bob Bob.Waterman@lge-ku.com | Stinnett, Jennifer jennifer.stinnett@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Kent Cockley k.cockley@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; Lori Frye l.frye@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|--------------------|----------------------|--|--|--|--|------------|--------------------------------|---|
| 690679 | 2014-09-19 | RE: RJT questions. RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Mike Frank m.frank@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Kent Cockley k.cockley@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 690688 | 2014-09-18 | RE: RJT questions. RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Waterman, Bob Bob.Waterman@lge-ku.com | Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Mike Frank m.frank@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Kent Cockley k.cockley@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 690723 | 2014-09-17 | RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Kent Cockley k.cockley@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|---|---|----|-----|------------------------------------|--|
| 725561 | 2014-10-02 | RE: Sterling Ventures | Bowling, Ralph /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=RALPHBOWLING | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) (jbender@bgdlegal.com) (jbender@bgdlegal.com); thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 725562 | 2014-10-02 | RE: Sterling Ventures | Bender, Jack jbender@bgdlegal.com | Bowling, Ralph Ralph.Bowling@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; lwa@lwasf.com lwa@lwasf.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|--|---|--|-----|------------------------------------|---|
| 725565 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WT EB/CN=SCOTTSTRAIGHT | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); jbender@bgdlegal.com; thomas.jackson@bakerbotts.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 768471 | 2014-12-04 | FW: Sterling Ventures Response to LG&E | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Amy Bartkus A.Bartkus@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com; Lipp, Joan Joan.Lipp@lge-ku.com | Watson, Joseph Joseph.Watson@lge-ku.com; Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 768740 | 2014-10-25 | TC CCR: Sterling Venture Reply | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com | Van Skaik, Joey jvanskaik@cecinc.com; Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 768741 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|--|--|---|----|---|------------------------------------|---|
| 768742 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 768743 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 768744 | 2014-10-24 | Response to LGE Questions.pdf | | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; | | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 768781 | 2014-10-19 | TC CCR: Response from Sterling Venture | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Michael A. Frank m.frank@gaiconsultants.com; Van Skaik, Joey jvanskaik@cecinc.com | | Stinnett, Jennifer Jennifer.Stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Kent Cockley k.cockley@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 834702 | 2014-10-30 | RE: TC CCR: Supplemental Alternative Analysis-- Sterling Venture Costs and Risks | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | | Rhombus Harloff R.Harloff@gaiconsultants.com; Dylan Holdsworth D.Holdsworth@gaiconsultants.com | 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|--------------------|----------------------|--|---|---|---|------------|--------------------------------|---|
| 834703 | 2014-10-30 | image001.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834704 | 2014-10-30 | image002.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834705 | 2014-10-30 | image003.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834706 | 2014-10-30 | image004.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834707 | 2014-10-30 | image005.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834708 | 2014-10-30 | image006.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| | | | | | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Kent Cockley k.cockley@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Dylan Holdsworth D.Holdsworth@gaiconsultants.com | | | |
| 834709 | 2014-10-30 | RE: TC CCR: Supplemental Alternative Analysis-- Sterling Venture Costs and Risks | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834710 | 2014-10-30 | image001.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834711 | 2014-10-30 | image002.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834712 | 2014-10-30 | image003.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834713 | 2014-10-30 | image004.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834714 | 2014-10-30 | image005.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 834715 | 2014-10-30 | image006.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|---|--|--|--|-----|------------------------------------|---|
| 834716 | 2014-10-30 | RE: TC CCR: Supplemental Alternative Analysis-- Sterling Venture Costs and Risks | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Waterman, Bob Bob.Waterman@lge-ku.com | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Kent Cockley k.cockley@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Dylan Holdsworth D.Holdsworth@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 883194 | 2014-12-05 | FW: Sterling Ventures CCR Storage | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Kevin Resnik, Jr. (k.resnik@gaiconsultants.com) k.resnik@gaiconsultants.com; Kent Cockley (k.cockley@gaiconsultants.com) k.cockley@gaiconsultants.com; Van Skaik, Joey jvanskaik@cecinc.com; Watson, Joseph Joseph.Watson@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 973957 | 2014-11-04 | RE: Trimble County Landfill Analysis Inputs: C Offsite Option: SV: LGE 10/3 email, Sterling Ventures email 10/24, and 10/31 lge reply | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Wilson, Stuart Stuart.Wilson@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Farhat, Monica Monica.Farhat@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|---|--|---------------------------------------|-----|------------------------------------|---|
| 973958 | 2014-10-31 | FW: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Ehrler, Bob Bob.Ehrler@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 973959 | 2014-10-03 | FW: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | Puckett, Paul Paul.Puckett@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 973960 | 2014-10-24 | Fwd: CCPs | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|---|--|----|-----|------------------------------------|---|
| 973961 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 973962 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 973963 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 973964 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 996455 | 2014-09-25 | FW: CCPs/Trimble County Landfill | Pfeiffer, Caryl /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 012383 | Sinclair, David David.Sinclair@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109864 | 2015-06-30 | 0000000D4C37C32CFEE9041823553ED81803F5204132200.msg | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Needham, Meredith Meredith.Needham@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|--------------------|----------------------|---|---|--|---|------------|--------------------------------|---|
| 1109865 | 2014-10-24 | CCPs | John Walters johnwalters@sterlingventures.com | Straight, Scott Scott.Straight@lge-ku.com; Samuelabboone aboone@sterlingventures.com; Tim Stout tstout@sterlingventures.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109866 | 2015-01-22 | Form 7056.pdf - 1 MB | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109867 | 2015-01-22 | Response to LGE Questions.pdf - 41 KB | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109868 | 2014-09-24 | CCPs/Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com Ehrler, Bob Bob.Ehrler@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com | Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Samuelabboone aboone@sterlingventures.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109869 | 2014-10-31 | FW: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|--------------------------------------|---|--|---------------------------------|---------------------------------------|-------------------------|---|
| 1109870 | 2014-10-03 | FW: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; | Lipp, Joan Joan.Lipp@lge-ku.com | Puckett, Paul Paul.Puckett@lge-ku.com | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109871 | 2011-12-14 | RE: Ghent Landfill Beneficial Reuse | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | John Walters johnwalters@sterlingventures.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Schram, Chuck Chuck.Schram@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Heun, Jeff Jeff.Heun@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109872 | 2014-12-11 | Re: Sterling Ventures CCR Storage | John Walters johnwalters@sterlingventures.com | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109873 | 2014-12-05 | Re: Sterling Ventures CCR Storage | John Walters johnwalters@sterlingventures.com | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109874 | 2014-12-05 | Re: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | John Walters johnwalters@sterlingventures.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|---|---|--|-----|------------------------------------|--|
| 1109875 | 2014-12-01 | Re: Sterling Ventures CCR Storage | John Walters johnwalters@sterlingventures.com | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109876 | 2014-10-24 | RE: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | John Walters (johnwalters@sterlingventures.com) | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109877 | 2014-10-17 | Re: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | John Walters johnwalters@sterlingventures.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109878 | 2014-12-30 | Sterling Ventures alternative to Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109879 | 2014-10-31 | Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | John Walters johnwalters@sterlingventures.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1109880 | 2014-10-03 | Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | John Walters johnwalters@sterlingventures.com | Puckett, Paul Paul.Puckett@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1112556 | 2015-01-09 | Sterling Ventures Email | Straight, Scott /O=LGE/OU=LOUISVILLE/CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; lwa@lwasf.com lwa@lwasf.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|---|---|--|-----|------------------------------------|--|
| 1112557 | 2014-12-11 | Re: Sterling Ventures CCR Storage | John Walters johnwalters@sterlingventures.com | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1112558 | 2014-12-30 | Sterling Ventures alternative to Trimble County Landfill | John Walters johnwalters@sterlingventures.com | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1112879 | 2014-12-06 | Fwd: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1112880 | 2014-12-05 | Re: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Ehrler, Bob Bob.Ehrler@lge-ku.com | O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113318 | 2014-10-29 | RE: CCPs | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Bowling, Ralph Ralph.Bowling@lge-ku.com | Voyles, John John.Voyles@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113332 | 2014-10-28 | Re: CCPs | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com | Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|---|---|----|-----|------------------------------------|--|
| 1113361 | 2014-10-24 | Fwd: CCPs | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113362 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113363 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113364 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113365 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113366 | 2014-10-24 | FW: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1113519 | 2014-10-01 | Fwd: Sterling Ventures | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|---|---|--|-----|------------------------------------|---|
| 1113520 | 2014-10-01 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1113521 | 2014-10-01 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - Comments from scott of 10-1-2014.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1113527 | 2014-10-01 | RE: Sterling Ventures | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGH T | Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com); thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com m; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; lwa@lwasf.com lwa@lwasf.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1113528 | 2014-10-01 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - Comments from scott of 10-1-2014.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1156350 | 2014-09-24 | Fwd: CCPs/Trimble County Landfill | Sturgeon, Allyson /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 093308 | Conroy, Robert Robert.Conroy@lge-ku.com; Staton, Ed Ed.Staton@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|---|--|----|-----|------------------------------------|--|
| 1182282 | 2015-06-17 | FW: CCPs | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=JOHNVOYLES | Whelan, Chris Chris.Whelan@lge-ku.com; Pratt, Liz Liz.Pratt@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1182283 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1182284 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1182285 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1182286 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1192728 | 2014-10-22 | RE: Pending Landfill Permit Discussion Meeting | Shannon, Maxwell /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 026633 | Voyles, John John.Voyles@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Privileged and confidential communication between client and counsel re landfill permitting, including SV proposal. |
| 1192729 | 2014-09-26 | 2014-09-24_Minutes from Pending Landfill Permit Discussion_FINAL. docx | | | | | 1-AttorneyClient; 2-WorkProduct | Work product created to memorialize discussion between client and counsel re landfill permitting processes, including discussion of SV proposal. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|--|--|--|-----|------------------------------------|---|
| 1193027 | 2014-10-28 | RE: CCPs | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Voyles, John John.Voyles@lge-ku.com | Straight, Scott Scott.Straight@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1297144 | 2014-10-31 | Re: Draft Sterling Ventures Response -- Confidential and Privileged Communication 12:30call? | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1297153 | 2014-10-31 | FW: Draft Sterling Ventures Response -- Confidential and Privileged Communication 12:30call? | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1297261 | 2014-10-29 | RE: CCPs | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1297268 | 2014-10-28 | Re: CCPs | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1297619 | 2014-10-17 | Re: Trimble County CCR Disposal | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|--------------------|----------------------|---|--|--|-----------------------------------|------------|------------------------------------|--|
| 1297624 | 2014-10-17 | Fwd: Trimble County CCR Disposal | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Bender Jack (jbender@bgdlegal.com) JCB@GDM.com; Puckett, Paul Paul.Puckett@lge-ku.com; lwa@lwasf.com lwa@lwasf.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; thomas.jackson thomas.jackson@bakerbotts.com ; Resnik Kevin Jr. k.resnik@gaiconsultants.com; Cockley Kent k.cockley@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1298166 | 2014-10-07 | Fwd: Trimble County CCR Disposal | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Sturgeon, Allyson Allyson.Sturgeon@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel re e-mail to Sterling Ventures. Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1298341 | 2014-10-03 | RE: TC CCR - Sterling Ventures - letter | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Speede, Teresa Teresa.Speede@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 1298342 | 2014-10-03 | RE: TC CCR - Sterling Ventures - letter | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Speede, Teresa Teresa.Speede@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1298346 | 2014-10-03 | FW: TC CCR - Sterling Ventures - letter | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Allgeier, Lana Lana.Allgeier@lge-ku.com; Speede, Teresa Teresa.Speede@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|--|-----------------------------------|--|-----|------------------------------------|---|
| 1298347 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1298422 | 2014-10-01 | RE: Sterling Ventures - one edit | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=JO ANLIPP | Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1298456 | 2014-09-30 | FW: TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 RCWa EDITS.docx | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A DMINISTRATIVE/CN=JO ANLIPP | Ehrler, Bob Bob.Ehrler@lge-ku.com | Waterman, Bob Bob.Waterman@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1298457 | 2014-09-30 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1298458 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 RCWa EDITS.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|---|--|---|--|-----|---------------------------------|---|
| 1298490 | 2014-09-30 | FW: Sterling Ventures - 9/30/2014 draft (sending in advance only to JV adn RSS) | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Voyles, John John.Voyles@lge-ku.com; Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1298491 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1298724 | 2014-09-24 | FW: CCPs/Trimble County Landfill - Sterling Ventures | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Coomer, Timothy Timothy.Coomer@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1351438 | 2014-12-05 | RE: Sterling Ventures CCR Storage | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351525 | 2014-10-24 | FW: Trimble County CCR Disposal | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 thomas.jackson@bakerbotts.com | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com ; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; lwa@lwasf.com lwa@lwasf.com | Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1351544 | 2014-10-17 | RE: Trimble County CCR Disposal | thomas.jackson@bakerbotts.com | Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1351593 | 2014-09-24 | FW: CCPs/Trimble County Landfill - Sterling Ventures | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--|--|---|---|--|---------------------------------|---|
| 1351595 | 2014-09-23 | FW: TC CCR Landfill EPA response Agenda for today's call (9/23/14) | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E005661 | Straight, Scott Scott.Straight@lge-ku.com | Waterman, Bob Bob.Waterman@lge-ku.com | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351757 | 2014-12-05 | FW: Sterling Ventures CCR Storage | Lipp, Joan | Joan.Lipp@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel re SV proposal. |
| 1351778 | 2014-10-31 | Re: Draft Sterling Ventures Response -- Confidential and Privileged Communication 12:30call? | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Lipp, Joan | Joan.Lipp@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351779 | 2014-10-31 | RE: Draft Sterling Ventures Response -- Confidential and Privileged Communication 12:30call? | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Lipp, Joan | Joan.Lipp@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351780 | 2014-10-29 | RE: CCPs | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Lipp, Joan | Joan.Lipp@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351781 | 2014-10-28 | Re: CCPs | Voyles, John /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=WEB/CN=JOHNVOYLES | Waterman, Bob | Bob.Waterman@lge-ku.com | Straight, Scott Scott.Straight@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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|-------------|---------------|---|---|--|--|-----|------------------------------------|---|
| 1351782 | 2014-10-28 | RE: CCPs | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Straight, Scott Scott.Straight@lge-ku.com | Lipp, Joan Joan.Lipp@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351783 | 2014-10-01 | RE: Sterling Ventures | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Ehrler, Bob Bob.Ehrler@lge-ku.com | Lipp, Joan Joan.Lipp@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351784 | 2014-09-30 | Fwd: TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 RCWa EDITS.docx | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Lipp, Joan Joan.Lipp@lge-ku.com | Waterman, Bob Bob.Waterman@lge-ku.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 1351785 | 2014-09-30 | ATT00001.htm | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 1351786 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 RCWa EDITS.docx | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 1351787 | 2014-09-30 | FW: Sterling Ventures - 9/30/2014 draft | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=A ADMINISTRATIVE/CN=JO ANLIPP | Waterman, Bob Bob.Waterman@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

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|--------------------|----------------------|---|--|---|---|--|------------------------------------|--|
| 1351788 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1351789 | 2014-09-30 | RE: Sterling Ventures - lipp edits (relined) | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Straight, Scott Scott.Straight@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com | Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; thomas.jackson@bakerbotts.com | thomas.jackson@bakerbotts.com; molly.cagle@bakerbotts.com; lwa@lwasf.com lwa@lwasf.com | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1392484 | 2014-11-04 | RE: Trimble County Landfill Analysis Inputs: C Offsite Option: SV: LGE 10/3 email, Sterling Ventures email 10/24, and 10/31 lge reply | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Wilson, Stuart Stuart.Wilson@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Farhat, Monica Monica.Farhat@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|---|--|---------------------------------------|-----|------------------------------------|--|
| 1392485 | 2014-10-31 | FW: Sterling Ventures CCR Storage | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Ehrler, Bob Bob.Ehrler@lge-ku.com; Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1392486 | 2014-10-03 | FW: Trimble County CCR Disposal | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; O brien, Dorothy (Dot) Dorothy.O brien@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Pfeiffer, Caryl Caryl.Pfeiffer@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Bender, Jack (jbender@bgdlegal.com) jbender@bgdlegal.com; Joyce, Jeff Jeff.Joyce@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | Puckett, Paul Paul.Puckett@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1392487 | 2014-10-24 | Fwd: CCPs | Straight, Scott /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=W EB/CN=SCOTTSTRAIGHT | Voyles, John John.Voyles@lge-ku.com; Bowling, Ralph Ralph.Bowling@lge-ku.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; Revlett, Gary Gary.Revlett@lge-ku.com; Winkler, Michael Michael.Winkler@lge-ku.com; Waterman, Bob Bob.Waterman@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|--------------------------------------|--|---|--|-----|------------------------------------|--|
| 1392488 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1392489 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1392490 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1392491 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1394474 | 2014-10-07 | FW: Trimble County CCR Disposal | Sturgeon, Allyson /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N093308 | Lipp, Joan Joan.Lipp@lge-ku.com | Schroeder, Andrea Andrea.Schroeder@lge-ku.com | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding Sterling Ventures CCR storage option. |
| 1546306 | 2014-10-03 | RE: Trimble County CCR Disposal | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|--|---|---|-----|------------------------------------|--|
| 1546311 | 2014-10-03 | TC CCR: Sterling Venture Letter | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com; Van Skaik, Joey jvanskaik@cecinc.com | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 1546312 | 2014-10-02 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014 (3) (2) (3).docx | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. |
| 1546329 | 2014-10-02 | RE: Sterling Ventures | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1546358 | 2014-10-01 | RE: Sterling Ventures | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 005661 | Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546364 | 2014-09-30 | FW: Sterling Ventures - 9/30/2014 draft | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Robert C. and Kathleen A. Waterman (bobwaterman@msn.com) bobwaterman@msn.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546365 | 2014-09-30 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site - 9 30 2014.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|--|---|---|-----|------------------------------------|---|
| 1546366 | 2014-09-30 | RE: Sterling Ventures - 9/30/2014 draft | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546380 | 2014-09-29 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site -- Confidential and Privileged Communication | Bender, Jack jbender@bgdlegal.com | Ehrler, Bob Bob.Ehrler@lge-ku.com | Waterman, Bob Bob.Waterman@lge-ku.com; lwa@lwasf.com lwa@lwasf.com; thomas.jackson@bakerbotts.com m thomas.jackson@bakerbotts.com m; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546381 | 2014-09-29 | image001.gif | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546382 | 2014-09-29 | TC CCR_ Supplemental Alternative Analysis Questions on Sterling Venture Site.DOCX.docx | | | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546448 | 2014-09-24 | FW: CCPs/Trimble County Landfill | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1546449 | 2014-09-24 | FW: CCPs/Trimble County Landfill | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Lipp, Joan Joan.Lipp@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|--|--|----|-----|-------------------------|--|
| 1546450 | 2014-09-24 | RE: CCPs/Trimble County Landfill | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Puckett, Paul Paul.Puckett@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1546522 | 2014-09-19 | RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546523 | 2014-09-19 | image001.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546524 | 2014-09-19 | image002.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546525 | 2014-09-19 | image003.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546526 | 2014-09-19 | image004.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546527 | 2014-09-19 | image005.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546528 | 2014-09-19 | image006.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|-------------------------|--|---|-----|-------------------------|---|
| 1546532 | 2014-09-19 | RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Waterman, Bob 090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Stinnett, Jennifer jennifer.stinnett@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Kent Cockley k.cockley@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; Lori Frye l.frye@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546533 | 2014-09-19 | image001.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546534 | 2014-09-19 | image002.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546535 | 2014-09-19 | image003.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546536 | 2014-09-19 | image004.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |
| 1546538 | 2014-09-19 | image006.png | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses need to draft questions to Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|--------------------|----------------------|--|--|---|--|------------|------------------------------------|---|
| 1546541 | 2014-09-19 | RE: TC CCR: Supplemental Alternative Analysis Questions on Sterling Venture Site | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Bender, Jack jbender@bgdlegal.com | | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546543 | 2014-09-19 | TC CCR: Supplemental Alternative Analysis Questions on Sterling Venture Site | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Bender, Jack jbender@bgdlegal.com; Ehrler, Bob Bob.Ehrler@lge-ku.com; lwa@lwasf.com lwa@lwasf.com; molly.cagle@bakerbotts.com molly.cagle@bakerbotts.com; thomas.jackson@bakerbotts.com ; Winkler, Michael Michael.Winkler@lge-ku.com; Puckett, Paul Paul.Puckett@lge-ku.com | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1546544 | 2014-09-19 | RE: RJT questions. RE: TC Supplemental AA - Sterling Ventures Property Acquisition | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Lipp, Joan Joan.Lipp@lge-ku.com; Mike Frank m.frank@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Kent Cockley k.cockley@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses questions to ask Sterling Ventures. Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1610971 | 2014-12-05 | RE: Agenda for this morning's call | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|-------------|---------------|---|--|--|-----------------------------------|-----|------------------------------------|--|
| 1611039 | 2014-12-04 | RE: Sterling Ventures Response to LG&E | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Bender, Jack jbender@bgdlegal.com | Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1611048 | 2014-12-03 | Sterling Ventures Response to LG&E | Bender, Jack jbender@bgdlegal.com | Waterman, Bob Bob.Waterman@lge-ku.com | Ehrler, Bob Bob.Ehrler@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1611236 | 2014-11-26 | 0000000097D9CFC B112E8D4EA5264 778B82059C064C5 2000.msg | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Gebert, Morgan Morgan.Gebert@lge-ku.com | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Includes timeline of communications with Sterling Ventures. |
| 1611237 | 2014-09-04 | Zen Release #1_26Nov14.xlsx | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Includes timeline of communications with Sterling Ventures. |
| 1611238 | 2014-11-26 | Zen Release #2_26Nov14.xlsx | | | | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Includes timeline of communications with Sterling Ventures. |
| 1612053 | 2014-10-31 | RE: Sterling Ventures CCR Storage | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel re email communications with Sterling Ventures. |
| 1612054 | 2014-10-31 | RE: Draft Sterling Ventures Response -- Confidential and Privileged Communication | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

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|-------------|---------------|--|--|--|---|-----|------------------------------------|---|
| 1612074 | 2014-10-30 | RE: TC CCR: Supplemental Alternative Analysis-- Sterling Venture Costs and Risks | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Kevin Resnik, Jr. k.resnik@gaiconsultants.com | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com; Kent Cockley k.cockley@gaiconsultants.com; Mike Frank m.frank@gaiconsultants.com; Rhombus Harloff R.Harloff@gaiconsultants.com; Dylan Holdsworth D.Holdsworth@gaiconsultants.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Concerns in part communications from Sterling Ventures. |
| 1612084 | 2014-10-29 | RE: CCPs | Lipp, Joan /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=ADMINISTRATIVE/CN=JOANLIPP | Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1612085 | 2014-10-28 | TC CCR: Supplemental Alternative Analysis-- Sterling Venture Costs and Risks | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com | | 2-WorkProduct | Work product prepared in context of 404 proceeding. Discusses in part communication from Sterling Ventures. |
| 1612134 | 2014-10-27 | RE: Tomorrow's team call | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1612141 | 2014-10-25 | TC CCR: Sterling Venture Reply | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N090836 | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; Michael A. Frank m.frank@gaiconsultants.com | Van Skaik, Joey jvanskaik@cecinc.com; Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; Stinnett, Jennifer jennifer.stinnett@lge-ku.com; Gebert, Morgan Morgan.Gebert@lge-ku.com | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
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September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|--------------------|----------------------|---|--|--|-----------|------------|------------------------------------|---|
| 1612142 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1612143 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1612144 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1612145 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of 404 proceeding. |
| 1612146 | 2014-10-25 | RE: CCPs | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1612147 | 2014-10-24 | RE: Trimble County CCR Disposal | Ehrler, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=E 005661 | Waterman, Bob Bob.Waterman@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

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|-------------|---------------|---|---|--|---|--|------------------------------------|--|
| 1612148 | 2014-10-24 | Fwd: Trimble County CCR Disposal | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Ehrler, Bob Bob.Ehrler@lge-ku.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1612149 | 2014-10-24 | Re: Trimble County CCR Disposal | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Ehrler, Bob Bob.Ehrler@lge-ku.com | Kent C. Cockley k.cockley@gaiconsultants.com; Kevin Resnik, Jr. k.resnik@gaiconsultants.com; | Lipp, Joan Joan.Lipp@lge-ku.com; Beach, Jarrett Jarrett.Beach@lge-ku.com; | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1612203 | 2014-10-19 | TC CCR: Response from Sterling Venture | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Michael A. Frank m.frank@gaiconsultants.com; Van Skaik, Joey jvanskaik@cecinc.com | Stinnett, Jennifer jennifer.stinnett@lge-ku.com; | Gebert, Morgan Morgan.Gebert@lge-ku.com | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1612204 | 2014-10-19 | RE: Trimble County CCR Disposal | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | Straight, Scott Scott.Straight@lge-ku.com | | | 1-AttorneyClient | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1612417 | 2014-10-14 | RE: Agenda for today's call | Waterman, Bob /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=N 090836 | thomas.jackson@bakerbotts.com thomas.jackson@bakerbotts.com | | | 1-AttorneyClient | Confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. |
| 1637394 | 2015-06-17 | 000000049E7A50 C9C39134690235C F8BF88C8DA04B2 2200.msg | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637395 | 2015-06-17 | FW: CCPs | Conroy, Robert /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=C ONROYR | Schroeder, Andrea Andrea.Schroeder@lge-ku.com; Knoy, Jason Jason.Knoy@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Work product prepared in context of this proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

**Privilege Log of Kentucky Utilities Company and Louisville Gas and Electric Company
for Response to Sterling Ventures Supplemental Data Request No. 2-29**

September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|--------------------|----------------------|---|-------------|-----------|-----------|------------|------------------------------------|--|
| 1637396 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637397 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637398 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637399 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637400 | 2015-06-17 | 000000049E7A50 C9C39134690235C F8BF88C8DA44B2 2200.msg | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |

**Kentucky Public Service Commission
Case No. 2015-00194**

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September 3, 2015

| Document ID | Document Date | E-mail Subject or Document File Name | From | To | Cc | Bcc | Privilege Type Asserted | Basis for Asserting Privilege |
|--------------------|----------------------|---|---|--|-----------|------------|------------------------------------|--|
| 1637401 | 2015-06-17 | FW: CCPs | Conroy, Robert /O=LGE/OU=LOUISVILLE /CN=RECIPIENTS/CN=C ONROYR | Schroeder, Andrea Andrea.Schroeder@lge-ku.com; Knoy, Jason Jason.Knoy@lge-ku.com | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637402 | 2014-10-24 | ATT00001.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637403 | 2014-10-24 | ATT00002.htm | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637404 | 2011-12-10 | Form 7056.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |
| 1637405 | 2014-10-24 | Response to LGE Questions.pdf | | | | | 1-AttorneyClient; 2-WorkProduct | Contains confidential and privileged communication between client and counsel regarding communications with Sterling Ventures. Work product prepared in context of this proceeding. |

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 30

Witness: John N. Voyles

- Q-30. Reference the testimony of Mr. Voyles at page 1 whereat the witness states that he is an employee of LG&E and KU Services Company.
- a. Provide Mr. Voyles' title or position with LG&E and KU Services Company.
 - b. Provide Mr. Voyles' job description as it relates to LG&E and KU Services Company.
 - c. Provide a comprehensive corporate chart showing the full relationship, including ownership, whether the companies are regulated, and the affiliation between KU, LG&E, LG&E and KU Services Company, and LG&E and KU Energy LLC.
- A-30. a. Mr. Voyles is the Vice President of Transmission and Generation Services for LG&E and KU, and is an employee of LG&E and KU Services Company.
- b. Mr. Voyles is responsible for the transmission assets, generation development projects and construction, generation engineering and support services, and research and development activities.
 - c. Please see the attached organizational chart.

KU, LG&E, and LG&E and KU Services Company are wholly-owned, first-tier subsidiaries of LG&E and KU Energy LLC. LG&E and KU are regulated by the Kentucky Public Service Commission and the Federal Energy Regulatory Commission. KU's operations in southwest Virginia are regulated by the Virginia State Corporation Commission. Services provided between LG&E and KU Services Company and LG&E or KU are done so in accordance with Kentucky and Virginia regulatory law, and with oversight by the Commission and the Virginia State Corporation Commission and in accordance with federal law with oversight and regulation of such transactions by the Federal Energy Regulatory Commission. In addition, LG&E and KU Services Company, a Kentucky corporation, is a centralized service company registered under the Public Utility Holding Company Act ("PUHCA") of 2005 and is authorized to conduct business as a service company for

LG&E and KU Energy LLC and its various subsidiaries and affiliates by order of the U.S. Securities and Exchange Commission (“SEC”) dated December 6, 2000. LG&E and KU Energy LLC is a registrant regulated by the SEC.

The corporate structure and organization of LG&E and KU Energy LLC, LG&E and KU Services Company, LG&E and KU has been the subject of multiple proceedings before the Commission, including: the LG&E and KU merger¹, the acquisition by Powergen PLC of ownership and control of LG&E and KU², the acquisition by E.ON AG of ownership and control of LG&E and KU³, and the acquisition by PPL Corporation of ownership and control of LG&E and KU⁴. The respective corporate reorganizations of LG&E and KU and their associated implementation of a services company for affiliated transactions was approved by Kentucky Public Service Commission, Federal Energy Regulatory Commission, Securities and Exchange Commission, and, for KU, the Virginia State Corporation Commission almost 25 years ago⁵. The KPSC, the VSCC and the FERC, as applicable, exercise ongoing regulatory oversight over these affiliated transactions in accordance with their respective procedures, policies and authority.

¹ *In the Matter of: Joint Application of Louisville Gas and Electric Company and Kentucky Utilities Company for Approval of a Merger*, Case No. 97-300, Order (Sept. 12, 1997).

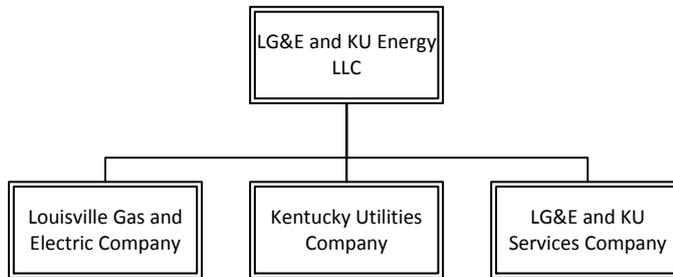
² *In the Matter of: Joint Application of Powergen PLC, LG&E Energy Corp., Louisville Gas and Electric Company, and Kentucky Utilities Company for Approval of a Merger*, Case No. 2000-095, Order (May 15, 2000).

³ *In the Matter of: Joint Application for Transfer of Louisville Gas and Electric Company and Kentucky Utilities Company in Accordance with E.ON AG’s Planned Acquisition of Powergen PLC*, Case No. 2001-00104, Order (Aug. 6, 2001).

⁴ *In the Matter of: The Joint Application of PPL Corporation, E.ON AG, E.ON US Investments Corp., E.ON U.S. LLC, Louisville Gas and Electric Company and Kentucky Utilities Company for Approval of an Acquisition and Ownership and Control of Utilities*, Case No. 2010-00204, Order (May 28, 2010).

⁵ *In the Matter of: Application of Louisville Gas and Electric Company for an Order Approving an Agreement and Plan of Exchange and to Carry Out Certain Transactions in Connection Therewith*, Case No. 89-374, Order (Ky. Pub. Serv. Comm. May 25, 1990); *Louisville Gas and Electric Company*, 50 FERC ¶ 62, 179 (March 15, 1990); *LG&E Energy Corp., Holding Co.* Act Release No. 26886 (Apr. 30, 1998). See also, *LG&E Energy Corp., S.E.C. No Action Letter* (Feb. 22, 1984); *In the Matter of: Application of Kentucky Utilities Company for an Order Approving an Agreement and Plan of Exchange and to Carry Out Certain Transactions in Connection Therewith*, Case No. 10296, Order (Ky. Pub. Serv. Comm. Oct. 6, 1988); *In the Matter of: Application of Old Dominion Power Company for Authority to Effect the Creation of a Holding Company and Merger and to Enter Into Agreement with Affiliate*, Case No. PUA-91-0006, Order (Va. State Corp. Comm. May 31, 1991); *KU Energy Corporation*, 50 S.E.C. 789 (Nov. 13, 1991); *Kentucky Utilities Company*, 47 FERC ¶ 61, 271 (May 25, 1989).

Relationship of Holding, Utility & Service Companies



All Ownerships are 100%

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 31

Witness: Robert M. Conroy

- Q-31. With regard to LG&E and KU Services Company, provide the following:
- a. The services provided by LG&E and KU Services Company to KU,
 - b. The total financial contribution KU pays, allocates or books to LG&E and KU Service Company,
 - c. The services provided by LG&E and KU Services Company to LG&E,
 - d. The total financial contribution LG&E pays, allocates or books to LG&E and KU Service Company, and
 - e. The names and titles of all officers of LG&E and KU Services Company.
- A-31. a. LG&E and KU Services Company provides KU a variety of administrative, management, engineering, construction, environmental and support services at cost.

LG&E and KU Services Company, a Kentucky corporation, is a centralized service company registered under the Public Utility Holding Company Act (“PUHCA”) of 1935, repealed and replaced by the Energy Policy Act of 2005 (“PUHCA 2005”) and is authorized to conduct business as a service company for LG&E and KU Energy LLC and its various subsidiaries and affiliates by order of the SEC dated December 6, 2000, and commencing operation January 1, 2001. LG&E and KU Services Company was originally formed under the name LG&E Energy Services, Inc. in order to comply with PUHCA. Prior to PUHCA 2005, the SEC had regulatory authority regarding the governance of LG&E and KU Services Company and the allocation of costs to the operating utilities. Following PUHCA 2005, this oversight authority was transferred to the Federal Energy Regulatory Commission (“FERC”).

LG&E and KU Services Company provides its services at cost, as permitted under PUHCA 2005, and in accordance with Kentucky and Virginia law and the Companies’ cost-allocation manual. Moreover, PUHCA 2005 states that centralized service companies must maintain and make available to the FERC their books,

accounts and other records in the specific manner and preserve them for the required periods as the FERC prescribes in Title 18 Code of Federal Regulations Part 368 of the FERC Uniform System of Accounts. These records must be in sufficient detail to permit examination, audit, and verification, as necessary and appropriate for the protection of utility customers with respect to jurisdictional rates. Ultimately, this long-established and widely-used corporate structure is required to ensure that a holding-company system's regulated business and associated costs are kept separate from its unregulated business and associated costs, thereby protecting the company's ratepayers. The KPSC, the VSCC and the FERC, as applicable, exercise ongoing regulatory oversight over these affiliated transactions in accordance with their respective procedures, policies and authority.

- b. KU makes no contributions to LG&E and KU Services Company. In 2014, LG&E and KU Services Company charged KU \$225 million for services provided at cost.⁶
- c. See the response to Question No. 31a. LG&E and KU Services Company provides the same services to LG&E as it does to KU.
- d. LG&E makes no contributions to LG&E and KU Services Company. In 2014, LG&E and KU Services Company charged LG&E \$203 million for services provided at cost.⁷
- e. The officers of LG&E and KU Energy LLC, LG&E and KU Services Company, Louisville Gas and Electric Company and Kentucky Utilities Company are the same and are as follows:

Victor A. Staffieri – Chairman, CEO, and President

Daniel K. Arbough – Treasurer

Michael S. Beer – Vice President, Federal Regulation and Policy

Lonnie E. Bellar – Vice President, Gas Distribution (Note: Title is “Vice President” in the case of KU-only.)

Kent W. Blake – Chief Financial Officer

D. Ralph Bowling – Vice President, Power Production

Laura M. Douglas – Vice President, Corporate Responsibility & Community Affairs

Thomas A. Jessee – Vice President, Transmission

John P. Malloy – Vice President, Customer Services

Dorothy (Dot) E. O'Brien – Vice President and Deputy General Counsel, Legal & Environmental Affairs

Paula H. Pottinger – Senior Vice President, Human Resources

Gerald A. Reynolds – General Counsel, Chief Compliance Officer and Corporate Secretary

⁶ PPL Corporation, Annual Report (Form 10-K at 255) (Feb. 23, 2015). Please also refer to the KU's responses to Questions 55-56 of the Commission Staff's First Set Request for Information in Case No. 2014-00371.

⁷ PPL Corporation, Annual Report (Form 10-K at 255) (Feb. 23, 2015). Please also refer to the LG&E's responses to Questions 55-56 of the Commission Staff's First Set Request for Information in Case No. 2014-00372.

Valerie Scott – Controller

George R. Siemens – Vice President, External Affairs

David S. Sinclair – Vice President, Energy Supply and Analysis

Eric Slavinsky – Chief Information Officer

Edwin (Ed) R. Staton – Vice President, State Regulation and Rates

Paul Gregory Thomas – Vice President, Electric Distribution

Paul W. Thompson – Chief Operating Officer

John N. Voyles Jr. – Vice President, Transmission and Generation Services

Mary Chris Whelan – Vice President, Communications

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 32

Witness: Robert M. Conroy

Q-32. Did LG&E and KU Services Company participate in the decision of KU and LG&E in the underlying CPCN case? If so, provide the following:

- a. The names and titles of the officers who participated,
- b. The exact nature of the participation, as in whether the company provided any calculations, analysis(es), data or information, etc., and
- c. Describe in detail whether the company had any role in making the final decision.

A-32. LG&E and KU Services Company provided services to LG&E and KU as described in the response to Question No. 31. The officers of LG&E and KU made the decisions for the regulated utilities in the 2009 ECR cases. See the response to Question No. 31e.

- a. The following officers of LG&E and KU participated in the decision-making process underlying the Companies' 2009 CPCN cases:

Victor A. Staffieri – Chairman, CEO and President

Michael S. Beer – Vice President, Federal Regulation and Policy

Lonnie E. Bellar – Vice President, State Regulation and Rates

Kent W. Blake – Vice President, Corporate Planning and Development

Laura M. Douglas – Vice President, Corporate Responsibility & Community Affairs

Chris Hermann – Senior Vice President, Energy Delivery

R. W. Chip Keeling – Vice President, Communications

John P. Malloy – Vice President, Energy Delivery – Retail Business

John R. McCall – Executive Vice President, General Counsel, Corporate Secretary and Chief Compliance Officer

Dorothy (Dot) E. O'Brien – Vice President and Deputy General Counsel, Legal & Environmental Affairs

Paula H. Pottinger – Senior Vice President, Human Resources

S. Bradford Rives – Chief Financial Officer

Valerie Scott – Contoller

George R. Siemens – Vice President, External Affairs

David S. Sinclair – Vice President, Energy Marketing

Paul Gregory Thomas – Vice President, Energy Delivery – Distribution Operations

Paul W. Thompson – Senior Vice President, Energy Services

John N. Voyles, Jr. – Vice President, Regulated Generation

Wendy W. Welsh – Senior Vice President, Information Technology

- b. The above-named officers provided the services described in the response to Question No. 31a and reflected on the record in the 2009 ECR and CPCN cases.
- c. The officers of LG&E and KU made the final decisions for the regulated utilities in the 2009 ECR cases. See the response to Question No. 31e.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 33

Witness: John N. Voyles

- Q-33. Reference the testimony of Mr. Voyles at page 13, line 18 through page 14, line 2. Please describe in detail the basis for the assertions made therein.
- A-33. Based on the Sterling Venture's responses to Questions 4 and 5 of the Companies' first data request, Sterling Ventures only has a permit for beneficially placing gypsum from Ghent on the first level of the limestone mine. The Companies have not received any information suggesting a revised permit application for receiving CCR from Trimble County has been submitted to the KDWM. Concerns regarding Sterling Ventures being subject to regulations from the CCR Final Rule were included in the Corp of Engineers 404 permit application and Alternatives Analysis at a time when the EPA only had released a proposed rule. Those concerns have been confirmed by the issuance of the CCR Final Rule.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 34

Witness: John N. Voyles

- Q-34. Reference the testimony of Mr. Voyles at page 17, lines 13 – 18. Please explain the “disparate points of interest between the Kentucky Public Service Commission and the U.S. Army Corps of Engineers with respect to CCR storage.”
- A-34. The various standards to be considered by the Corps of Engineers in acting upon an application for a CWA Section 404 permit are in 40 CFR Part 230. 40 CFR 230.10(a) provides that, with certain exceptions, there shall be no discharge of dredged or fill materials if there is a “practicable” alternative to the proposed discharge which would have less adverse impact on the aquatic eco-system, so long as the alternative does not have other significant adverse environmental consequences. The term “practicable” is defined at 40 CFR 230.3 as “available and capable of being done after taking into consideration cost, existing technology, and logistics in light of overall project purposes.” There is extensive regulatory precedent that has addressed the considerations relevant to the issue of whether an alternative is deemed practicable as defined in the 404(b)(1) Guidelines.

In reviewing an application for a CPCN, the Commission is guided by KRS Chapter 278. A fundamental principle considered by the PSC is that the proposed project be the least cost, most feasible alternative.

Accordingly, the Corps of Engineers’ issuance of a CWA Section 404 permit and the Commission’s issuance of a CPCN for a CCR disposal project are subject to distinct and different regulatory standards.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 35

Witness: John N. Voyles / David S. Sinclair

Q-35. Reference the testimony of Mr. Voyles at page 18, line 11 - 12. Explain in detail the following statement: "Costs are treated differently in a LEDPA analysis than in a CPCN analysis."

A-35. See the responses to Question Nos. 6, 7 and 34.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 36

Witness: John N. Voyles

- Q-36. Reference the testimony of Mr. Voyles at page 20, lines 22 - 24. Provide a copy of all documents related to the testimony wherein the witness states: "The Companies expressed concern by speaking at a public meeting about the proposed rule, its effect on beneficial reuse applications and the treatment, as well as through formal comments to the EPA."
- A-36. Attached are the statements read into the record by John Voyles, Vice President Transmission and Generation Service and Michael Winkler, Manager Environmental Programs at the public meeting held by the EPA in Louisville on September 28, 2010. Also attached are the formal comments submitted by LG&E and KU to the EPA docket on the proposed rule on November 19, 2010.

**Comments of LG&E and KU Energy LLC on
Hazardous and Solid Waste Management System:
Identification and Listing of Special Wastes; Disposal of Coal Combustion Residuals
From Electric Utilities; Proposed Rule**

75 Fed. Reg. 35128 (June 21, 2010)

Submitted to
U.S. Environmental Protection Agency
Docket No. EPA-HQ-RCRA-2009-0640

November 19, 2010

Dorothy E. O'Brien
Vice President and Deputy General Counsel
Legal and Environmental Affairs
LG&E and KU Energy LLC
220 West Main Street
Louisville, Kentucky 40202

I. Introduction

LG&E and KU Energy LLC (LG&E/KU) submits these comments in response to the U.S. Environmental Protection Agency's proposed rule entitled "Hazardous Waste Management System: Identification and Listing of Special Wastes; Disposal of Coal Combustion Residuals From Electric Utilities," 75 Fed. Reg. 35128 (June 21, 2010) (Proposed Rule). LG&E/KU, a subsidiary of PPL Corporation, is the parent company of Louisville Gas and Electric Company (LG&E) and Kentucky Utilities Company (KU) which are regulated public utility companies operating seven coal-fired power plants and other generating units with a total generating capacity of approximately 8,000 MW and providing electricity to approximately 941,000 customers primarily in Kentucky. LG&E and KU operate surface impoundments and/or landfills at all of their power plants and undertake beneficial reuse of coal combustion residuals (CCRs) in various applications.

Safety, regulatory compliance, and environmental stewardship are key priorities for LG&E/KU. We operate our facilities in strict compliance with applicable environmental regulations. We have never experienced a catastrophic structural failure or significant spill at any of our CCR surface impoundments. None of our surface impoundments, landfills, or beneficial reuse projects has ever caused harm to local drinking water supplies or the environment. Our recent vintage ash ponds and landfills have clay liners. In recent years, we have moved toward greater utilization of dry handling of CCRs in landfills as a best practice. Our record demonstrates that LG&E and KU have been good stewards of the environment in operating our CCR management facilities. We believe this to be the case with respect to the vast majority of utilities because imprudent management of environmental responsibilities may have

serious consequences under the heavily regulated utility business model. As a first step in assessing potential changes to regulation of CCRs, EPA should consider the past performance of companies such as LG&E and KU that have operated their CCR management facilities without harm to public health or the environment.

We recognize that the December 2008 surface impoundment failure at the Tennessee Valley Authority's Kingston plant has rightly focused scrutiny on CCR impoundment safety and resulted in the current reassessment of regulatory programs applicable to CCRs. While we support EPA's objective of ensuring safe management of CCRs, we point out that it is incorrect for EPA to assume that the conditions resulting in the Kingston incident are widespread in the industry or that existing state regulatory programs applicable to CCRs fail to protect public health and the environment. Only through a careful and reasoned analysis can EPA succeed in crafting a regulatory framework that will result in actual enhancements to existing CCR regulatory programs and real improvements in the protection of public health and the environment. It is imperative for EPA to avoid regulation of CCRs as a hazardous waste under Subtitle C of the Resource Conservation and Recovery Act (RCRA) because it would impose significant and unnecessary costs on CCR management with little or no corresponding benefit to the environment. For regulated utilities such as LG&E/KU, such financial burdens are ultimately borne by the utility customers who pay the costs of environmental compliance. Instead, we urge EPA to structure any federal program to utilize the Subtitle D "non-hazardous" waste regulatory approach for CCRs that has been demonstrated to be practical, environmentally protective, and cost effective by states such as Kentucky.

In addition to the specific comments included in this document, LG&E/KU expresses its support for comments submitted by its affiliates, PPL Montour, LLC, PPL Martins Creek, LLC,

PPL Brunner Island, LLC, and PPL Montana, LLC, and the Utility Solid Waste Activities Group (USWAG). LG&E/KU also references relevant comments submitted by the Kentucky Department for Environmental Protection (Kentucky Comments).

II. EPA Should Take Existing State Programs Into Account in Structuring Any Federal Program for Regulation of Coal Combustion Residuals.

Since 1992 Kentucky has administered a “special waste” regulatory program for CCR landfills and beneficial reuse projects under 401 KAR Chapter 45. The Kentucky special waste program is similar to the industrial solid waste programs administered by virtually all of the states. The Kentucky special waste landfill program includes requirements for groundwater monitoring, corrective action, and a liner, if necessary to protect the groundwater. In the past five to seven years, all newly permitted CCR landfills in Kentucky have incorporated a liner requirement into their permits. See Kentucky Comments, p. 5. 401 KAR Chapter 45 also establishes various standards for beneficial reuse of CCRs including requirements for avoidance of nuisance conditions, implementation of erosion and sediment control measures, characterization of the nonhazardous nature of the CCRs, and compliance with buffer requirements for streams, water wells, floodplains, and wetlands. While CCR surface impoundments are not covered by the Chapter 45 requirements, discharges from impoundments are subject to the requirements of the Kentucky Pollutant Discharge Elimination System (KPDES) program and their structural stability is governed by the dam safety program under KRS Chapter 151. Kentucky is representative of the vast majority of states that have implemented substantial regulatory programs for CCRs.

There has never been a catastrophic structural failure at or significant spill from any CCR management facility in Kentucky. According to the Kentucky Department for Environmental

Protection, groundwater monitoring has not identified any consistent exceedances of the primary Maximum Contaminant Level (MCL) values at those sites. See Kentucky Comments, p. 33. Furthermore, CCR surface impoundments and landfills in Kentucky pose little risk to drinking water supplies because they are located on rivers or lakes where the groundwater flow is in the direction of the water body and there are no privately owned properties between the CCR management facilities and the adjacent water bodies. While the state has reported occasional situations where third party beneficial reuse project developers have failed to comply with buffer standards and similar requirements, the state is unaware of any beneficial reuse projects resulting in significant harm to the environment. See Kentucky Comments, p. 9. Over the past year and a half, EPA has inspected all of the high and moderate hazard potential CCR surface impoundments in Kentucky and has not identified any conditions that suggest any risk of structural failure. A review of “on the ground” experience in Kentucky does not suggest that there is a widespread risk of catastrophic Kingston-like impoundment failures, significant environmental harm from existing CCR management facilities, or any general failure on the part of the state to regulate existing CCR management facilities. In structuring any federal regulatory program, EPA should carefully consider the regulatory approaches that have been successfully implemented by states such as Kentucky. The need for a drastic departure from the existing non-hazardous waste programs for CCRs administered by the states is simply not supported by the facts.

III. Regulation of Coal Combustion Residuals under Subtitle C of RCRA is Improper and Unwarranted.

The Bevill Amendment to RCRA provides that CCRs shall not be regulated under Subtitle C until and unless EPA has submitted a comprehensive study to Congress assessing the environmental risks, if any, posed by CCRs and made a final regulatory determination in favor of

Subtitle C regulation. 42 U.S.C. Section 6921(b)(3). The process specified in the statute reflects Congressional intent that EPA should avoid any regulatory actions that unduly impede the use of coal. This concern is of critical importance for a state like Kentucky which relies on coal-fired generation for more than 92% of its electricity. EPA undertook the requisite studies and submitted reports to Congress in 1988 (for certain large volume CCRs) and 1999 (for the remaining CCRs). In both reports, EPA concluded that Subtitle C regulation of CCRs was inappropriate; EPA issued corresponding regulatory determinations in 1993 and 2000 holding that Subtitle C regulation of CCRs was unwarranted. In the present situation, EPA is proposing a Subtitle C regulatory option that would reverse EPA's previous final regulatory determinations, despite the lack of any authority under RCRA for regulatory "do-overs," and without following the statutorily prescribed process for making a regulatory determination. Not only has EPA failed to provide a reasoned explanation for reversing its previous regulatory determinations that Subtitle C regulation was inappropriate, but it also concedes that the environmental protection measures under the Subtitle C and Subtitle D options outlined in the Proposed Rule are virtually identical, thus contravening the statutory directive that EPA not unnecessarily impede the use of coal through Subtitle C regulation. EPA's rationale for the Subtitle C option rests on the flawed logic that the approach will increase beneficial reuse (see specific comments in section V below) and the cost estimates in EPA's Regulatory Impact Analysis are flawed on similar grounds. In considering the listing of CCRs as a hazardous waste, EPA has used flawed methodologies that do not reflect the low risks posed by CCRs. See Kentucky Comments, pp. 2-3. The Electric Power Research Institute and others have conducted extensive research that demonstrates the non-hazardous nature of CCRs. EPA's recent conclusions are directly contradicted by the findings in its previous reports to Congress and regulatory determinations. In summary, the

Subtitle C option proposed by EPA must be rejected as arbitrary and capricious, inconsistent with the authority granted to EPA under RCRA, and in violation of applicable law.

IV. Subtitle C Regulation of CCRs is Unnecessary, Impractical, and Costly.

A. Subtitle C Regulation Is Unnecessary.

Both the Subtitle C and D options provide the same basic environmental protection measures governing disposal of CCRs – structural stability standards for surface impoundments and requirements for composite liners, groundwater monitoring, and corrective action for both landfills and impoundments. EPA concedes that the protective measures provided by the Subtitle C and D options are virtually identical. These measures fully address the concerns which are the premise for EPA’s regulatory action – the potential for catastrophic failure of surface impoundments and the potential for release of contaminants from CCR impoundments and landfills into the environment. The Subtitle C “cradle to grave” approach would add unnecessary layers of irrelevant performance standards and administrative requirements on top of the environmental protection measures that directly address EPA’s concerns. For example, the Subtitle C performance standards that would apply to on-site ash handling activities and the manifest requirements that would apply to off-site transport of CCRs make no contribution whatsoever to mitigating the risks that EPA has identified as the basis for its rulemaking. Subtitle C regulation of CCRs is unnecessary because it would provide no meaningful protections that are not available under the Subtitle D option.

B. Subtitle C Regulation Is Impractical.

It is impractical to apply the RCRA Subtitle C framework to high volume, low hazard materials such as CCRs. Unlike Subtitle D, the requirements of Subtitle C apply at the point of generation. This could present significant compliance problems for spaced-constrained

generating units that have been retrofitted with pollution controls over the years. Because RCRA has no de minimis exemption, de minimis releases of CCRs from equipment such as conveyers could potentially expose a company to citizen suits or enforcement actions and near continuous release reporting obligations, regardless of the lack of any harm to the environment. Utilities would be forced to handle large volumes of sluice waters that come into contact with CCRs as a hazardous waste or recycle sluice waters resulting in aggregation of soluble compounds in the water that would complicate treatment or disposal and render it unnecessarily expensive. The Subtitle C regulations are simply not tailored to address the unique attributes of CCRs or the reality of power plant operations.

If EPA opts to classify CCRs as a hazardous waste, generation of hazardous waste in Kentucky would increase by a factor of 100 – from 100,000 tons annually to 10 million tons annually. The magnitude of such an expansion should not be underestimated as it would pose an unprecedented challenge for the state. Kentucky currently has no permitted commercial hazardous waste disposal facilities. Because there are no hazardous waste disposal facilities located in the state, the Kentucky Division of Waste Management has no experience in permitting hazardous waste landfills. In the event of Subtitle C regulation, it would be necessary for utilities to permit on-site hazardous waste landfills, permit off-site hazardous waste landfills, or find commercial hazardous waste facilities with available capacity. This would be a resource-intensive undertaking which would place heavy burdens on utilities and their regulatory agencies alike. It would almost certainly overwhelm available capacity of existing hazardous waste facilities, with serious implications for other industries that generate hazardous waste. Disposal capacity shortfalls would be even more acute as CCR volumes that were formerly beneficially reused are diverted to disposal. See discussion in Section V below. The Kentucky Department

for Environmental Protection shares LG&E/KU's grave concerns about the impacts of regulating CCRs under Subtitle C in Kentucky. See Kentucky Comments, p.1. The pure impracticality of Subtitle C regulation of CCRs has resulted in a rare consensus among virtually every state environmental agency in the nation and a broad range of other stakeholders that such an approach should be avoided.

C. Subtitle C Regulation Would Impose Significant Additional Costs.

Regulation of CCRs under a Subtitle D non-hazardous waste approach would result in substantial costs for utilities and their customers. Regulation of CCRs under the "cradle to grave" framework of Subtitle C would impose even greater costs, which are entirely unnecessary given the fact that it would provide little or no incremental environmental benefits. Based on its preliminary review, LG&E/KU estimates that the cost of complying with a Subtitle C program would be at least twice the cost of compliance with Subtitle D regulations. Subtitle C compliance could be particularly expensive for space-constrained power plants or those with integrated handling designs due to the need for retrofits to comply with point of generation requirements. Plants that lack adequate space for an on-site Subtitle C landfill or those unable to locate favorable sites in close proximity to the plant would also face significant additional costs.

V. Subtitle C Regulation of CCRs Would Create Potentially Insurmountable Barriers to Continued Beneficial Reuse.

LG&E/KU strongly supports beneficial reuse of CCRs and views it as a key element that must be carefully weighed by EPA in structuring any federal program for regulation of CCRs. Beneficial reuse is a "win/win" proposition that minimizes any environmental impacts associated with management of CCRs, conserves natural resources that would otherwise be expended in the manufacture of end products, conserves scarce disposal capacity which is becoming increasingly difficult to permit, and serves as a cost containment measure to reduce environmental costs that

are borne by the company's customers. LG&E/KU undertakes extensive efforts to beneficially reuse as much of its CCRs as is feasible. Our beneficial reuse activities include use of CCRs in concrete, cement feed, roofing shingles, wall board, agricultural soil enhancement, engineered backfill, and structural fill applications. In 2008, LG&E beneficially reused almost 50% of its CCRs or 1.7 million tons. In 2009, beneficial reuse of CCRs dropped to 1.1 million tons probably as a result of a combination of housing market fluctuations and uncertainty over the regulatory status of CCRs.

LG&E/KU views regulation of CCRs under Subtitle C as a potentially insurmountable obstacle to continued beneficial reuse of CCRs on a large scale. Although EPA surmises that designation of CCRs as a "special waste" under Subtitle C may avoid any hazardous waste "stigma," LG&E/KU's own experience suggests the contrary. Over the past year, one of our beneficial reuse projects was cancelled due to concerns about potential liabilities that might arise in the event that EPA opted to regulate CCRs under the Subtitle C hazardous waste program. In addition, one of the company's ash marketers advised that an end use customer declined to enter into a contract until finalization of the CCR rule due to concerns that the material could be designated a hazardous waste. Our ash marketers have expressed grave concern that many end users and engineers, architects, and property owners will refuse to use materials regulated under the hazardous waste program for beneficial reuse projects, particularly for new construction projects in schools, hospitals, and restaurants.

In our discussions with stakeholders, it has become evident that these concerns cannot be alleviated by EPA designating CCRs as a "special waste" rather than a hazardous waste or by pointing out that beneficial reuse will continue to be legally permissible even if CCRs are regulated as a hazardous waste. The potentially insurmountable obstacle posed by Subtitle C

regulation of CCRs is that it places end users and other stakeholders in a position of deciding whether to beneficially reuse materials that are physically and chemically identical to materials subject to stringent “cradle to grave” regulation under Subtitle C. Despite that fact that past experience with beneficial reuse of CCRs establishes that such practices pose no significant risks, many end users and the public can be expected to use their “common sense” to conclude that beneficial reuse of CCRs must pose an unacceptable risk if physically and chemically identical materials pose such a risk of harm that they are subject to stringent hazardous waste disposal requirements. From a practical standpoint, it is difficult to explain to stakeholders why identical CCRs generated at the same plant can be sent to two destinations, with the CCRs at one subject to stringent hazardous waste disposal regulations and the CCRs at the other available for residential, commercial, and agricultural uses.

Any assessment of business risk necessarily involves a weighing of subjective factors. Our discussions with stakeholders suggest that, in the event of Subtitle C regulation of CCRs, many end users will view the potential for public controversy, harm to their business image, and litigation (regardless of the lack of substantive basis for such concerns) as factors that tip the balance against continued beneficial reuse of CCRs. The power of such concerns should not be underestimated. When the Emergency Planning and Community Right to Know Act mandated public disclosure of the volumes of hazardous chemicals released by various industrial sources, many of those companies opted to change their industrial processes, switch to different chemical feed stocks, or make other changes to drastically reduce their releases of hazardous chemicals and avoid the stigma of being a “big polluter,” despite the fact that it was legally permissible for them to continue with their existing practices. We strongly urge EPA to reject regulation of

CCRs under Subtitle C to avoid significant curtailment of continued beneficial reuse of CCRs due to such stigma concerns.

VI. EPA Should Allow Continued Beneficial Reuse of CCRs in Structural Fill Applications.

A significant part of LG&E/KU's beneficial reuse program involves use of CCRs in various structural fill projects. Our structural fill/beneficial reuse applications have involved placement of CCRs as road base, embankments for highways, fill for building construction, and fill for public areas such as walking trails, soccer fields, and parks. The volume of CCRs which the company sends to structural fill projects varies from year to year depending on the construction projects undertaken in given year. For example, in 1999, approximately 1 million tons of our CCRs were beneficially used as structural fill (two-thirds of our total beneficial reuse). In 2009, approximately 390,000 tons of CCRs were beneficially used as structural fill (one-third of our total beneficial reuse). Over the most recent five-year period, we have sent on average approximately 344,000 tons of CCRs per year to structural fill projects.

LG&E/KU participates in structural fill projects that are undertaken in an environmentally responsible manner in compliance with the applicable requirements of the Kentucky Special Waste Regulations as set forth in 401 KAR Chapter 45. Many of our structural fill applications involve semi-encapsulated uses. Roads, parking lots, building structures, and final cover materials can provide the functional equivalent of an impermeable cap which prevents infiltration of surface water into CCR placement areas. The compaction of CCRs necessary for their use as structural fill also inhibits infiltration of water into and through fill materials. In addition, the cement-like properties of some CCRs further inhibit infiltration of water.

Structural fill projects must comply with applicable Chapter 45 requirements including requirements for avoidance of nuisance conditions, implementation of erosion and sediment control measures, characterization of the nonhazardous nature of the CCRs, and compliance with buffer requirements for streams, water wells, floodplains, and wetlands. In addition, the company follows the ASTM E2277-03 Standard Guide for Design and Construction of Coal Ash Structural Fills as a general guideline to ensure that all structural fill projects are undertaken in an environmentally responsible manner.

LG&E/KU's Environmental Affairs Department reviews each prospective structural fill project to verify compliance with applicable regulations and identify any additional site-specific precautions that may be necessary to ensure proper protection of the environment. In some instances, the company has required utilization of natural fill materials in certain areas of the project as necessary to ensure that CCRs are placed only above the groundwater table to minimize the potential for CCRs to come into contact with groundwater. There have been no reports of any environmental damage or adverse environmental impacts from beneficial reuse projects that have received CCRs from LG&E/KU.

EPA proposes to classify "indiscriminate" use of CCRs as general fill and "large scale fill operations," particularly those involving placement of CCRs in sand and gravel pits, as disposal rather than beneficial reuse. EPA seeks comment on the appropriate threshold for holding a project to be a large scale fill operation. LG&E/KU points out that the volumes of CCRs used in individual structural fill projects, while not inconsequential, are commonly lower by orders of magnitude compared to the volumes of CCRs placed in landfills or ash ponds. The volume of CCRs used in even the largest structural fill project is dwarfed by the volumes placed in landfills or surface impoundments which often cover areas in excess of 100 acres. With these lesser

volumes of CCRs, the standards Kentucky has adopted under KRS Chapter 45 and supplemental standards such as ASTM E2277-03 are effective in avoiding any potential harm to the environment. EPA appears to acknowledge that some relatively large scale operations such as use of CCRs in highway embankments are legitimate beneficial reuse projects. See 75 Fed. Reg. at 35163. However, EPA fails to explain what distinguishes those acceptable structural fill projects from the structural fill projects which it apparently considers to be unacceptable. As a practical matter, the same attributes that mitigate potential harm associated with placement of CCRs in a highway embankment (e.g., a concrete road bed that effectively serves as a cap) are a required element of other “general fill” applications conducted by LG&E/KU (e.g., use of CCRs as structural fill for a shopping center project where the parking lot serves as the equivalent of a cap). LG&E/KU urges EPA to identify general standards appropriate for avoiding environmental damage and require all structural fill/beneficial reuse projects to comply with those standards, rather than eliminate certain categories of structural fill projects from eligibility per se.

Even “large scale” applications such as placement of CCRs in a sand and gravel pit can be conducted in an environmentally responsible manner. LG&E/KU has participated in a structural fill project that involved conversion of an abandoned sand and gravel pit, which posed a safety hazard to adjacent residents, into a public area that became an asset for the local community. The company required site-specific precautions including utilization of natural clay fill materials in certain areas of the project as necessary to ensure that CCRs were placed above the groundwater table. In addition, the project was capped with two feet of soil and vegetated to prevent infiltration of surface waters. After more than five years, there have been no reports of any adverse environmental consequences from the project. Classifying such projects as disposal,

rather than beneficial reuse, would merely ensure that many pits remain open, with continuing risks to public safety. LG&E/KU's experience demonstrates that virtually all beneficial reuse/structural fill projects can be conducted in an environmentally responsible manner, if appropriate performance standards are applied and a site-specific review is conducted.

VII. The August 26, 2010 Report By Environmental Integrity Project and Earth Justice Fails to Demonstrate That LG&E's Mill Creek Plant Is a "Damage Case."

The Environmental Integrity Project and Earth Justice submitted a report dated August 26, 2010 entitled "In Harm's Way" alleging that various coal-fired power plants including LG&E's Mill Creek plant constitute "damage cases" that should be considered by EPA. In response to EPA's reference to the "report of additional damage cases," we provide the following with respect to the Mill Creek site. Groundwater monitoring conducted by LG&E at Mill Creek has not identified an exceedance of a primary MCL at any off-site location. Furthermore, there is no significant potential for adverse impacts on local water supplies. Groundwater flow for the location is in the direction of the river and there are no residential wells (or non-company owned properties) between the plant and the river. All local households are connected to public water supplies. The report cites arsenic values from on-site wells which are not indicative of any off-site impacts and which, in any event, would be indiscernible in terms of effect on the adjacent Ohio River (which is a large river with high flow volumes).

The Kentucky Department for Environmental Protection has reviewed the available groundwater data and concluded that it does not indicate that CCR management at the Mill Creek plant poses any significant risk to public health or the environment. See Kentucky Comments, p. 30. Indeed, the Department characterizes the report's assessment of off-site impacts as "conjecture without sampling and long term trend analysis." Kentucky Comments, p.

30. In short, available information including the results of groundwater monitoring conducted at the site since 1982 simply does not support the allegation that LG&E's Mill Creek plant constitutes a "damage case" representing environmental damage resulting from improper management of CCRs.

VIII. Any New CCR Program Should Be Promulgated Under Subtitle D and Administered by the States Under EPA Oversight.

LG&E/KU urges EPA to promulgate any new CCR rules under a Subtitle D approach. LG&E/KU specifically supports the D Prime option, with proper adjustments, that would allow existing surface impoundments that meet the proposed performance standards to operate until the end of their useful lifetimes. Continued operation of existing surface impoundments and landfills that meet appropriate performance standards would substantially mitigate the cost of complying with a new Subtitle D CCR regulatory program. Requirements for groundwater monitoring and corrective action, as necessary, will ensure that existing surface impoundments do not result in harm to the environment. It would serve no legitimate purpose to mandate the closure of existing surface impoundments or landfills which pose no threat to the environment.

LG&E/KU requests that EPA fully analyze its authority under Subtitle D to establish a regulatory framework providing for state implementation of the CCR program under the oversight of EPA. LG&E/KU believes that it is critical to establish a regulatory framework that builds on existing state CCR programs, such as the existing program administered by Kentucky, and allows the states to administer the new CCR program. Any program established by EPA should prevent inconsistency and duplication between state and federal CCR programs and avoid impractical regulatory mechanisms such as a "self-implementing" program. LG&E/KU is confident that EPA can identify sufficient authority under Subtitle D to establish a CCR program that provides for rational and efficient regulation of CCR surface impoundments and landfills.

IX. EPA's Proposed Closure Schedule Must Be Changed.

PA has established an unrealistic timetable for closure of surface impoundments and landfills that are unable to meet the proposed design and operating standards. The Proposed Rule generally allows disposal units that cannot meet the applicable standards to close within five years of the effective date of the final regulations, which may be extended by an additional two years under certain circumstances. While existing units may be allowed five years to continue operating, once a unit ceases receiving CCRs it must commence closure within 30 days and complete closure within 180 days thereafter (for a total of 210 days). CCR surface impoundments often incorporate large surface areas and significant volumes of CCR storage that take many years to dewater and dredge. Landfills typically close multiple cells in the course of closure so that many cells have been closed when the landfill begins final closure. In some cases, it may be impossible to accumulate the significant volumes of clay and other materials necessary for closure or obtain state approval of closure plans within the 210-day period allowed for closure. We request that EPA eliminate any across the board timeframe for closure and instead allow CCR surface impoundments and landfills to be closed in accordance with the site-specific schedule included in the facility's approved closure plan. The individual closure schedule would be determined by the state on a case by case basis after considering the relevant site-specific considerations.

In the interest of avoiding undue duplication, LG&E/KU refers EPA to the comments filed by its PPL affiliates and USWAG for the complete comments of LG&E/KU on the Proposed Rule.

9/28/10

Comments of E.ON U.S.

Presented by John Voyles

My name is John Voyles. I am Vice President of Transmission and Generation Services for E.ON U.S., the parent company of Louisville Gas and Electric Company (LG&E) and Kentucky Utilities Company (KU). LG&E and KU operate seven coal-fired power plants with a total generating capacity of approximately 6,000 MW and provide electricity to approximately 941,000 customers.

Let me begin by saying that safety and responsible environmental stewardship are key priorities for our company. We operate our facilities in strict compliance with state environmental regulations. We have never had a significant spill from any of our CCR facilities nor have those facilities ever posed a problem for local water supplies. We recognize that the Kingston event has rightly focused scrutiny on the effectiveness of current regulation of CCR's. While we support EPA's objective of ensuring safe disposal of CCR's, we urge EPA to avoid regulatory approaches that would impose significant and unnecessary costs with little environmental benefit. Such burdens are ultimately borne by the utility customers who pay the costs of environmental compliance.

We strongly oppose regulation of CCR's under Subtitle C. Extensive study by EPRI and others has demonstrated that CCR's do not have hazardous characteristics and EPA has found in the past that CCR's do not warrant regulation as a hazardous waste. The landfill design standards are almost identical under both the Subtitle C and Subtitle D options and environmental benefits would be virtually the same. However, compliance costs would be substantially higher under the Subtitle C hazardous waste option.

In addition, Subtitle C regulation would raise potentially insurmountable obstacles to continued beneficial reuse of CCR's. Our CCR marketing partners have advised that some of their CCR end users have placed beneficial reuse opportunities on hold pending a final regulatory decision on CCR's. They have advised that regulation of CCR's under the Subtitle C hazardous waste program – regardless of whether they are characterized as “special waste” - would result in a stigma that will cause some end users to discontinue use of CCR's. With the regulatory uncertainty of the past few years, our company's beneficial reuse has dropped from almost 50% of our CCR's in 2008 to about 32% of our CCR's in 2009. Our own experience indicates that Subtitle C regulation will almost certainly result in dramatic reduction in beneficial reuse of CCR's and a corresponding increase in land disposal.

We firmly believe that any federal regulation of CCR's should be established under the Subtitle D program. We specifically support the “D Prime” option that would allow continued operation of existing ash ponds that are operating in a manner ensuring appropriate protection of public health and the environment.

John N. Voyles, Vice President
Transmission and Generation Services
E.ON U.S. LLC
220 West Main Street
Louisville, Kentucky 40202

9/28/10

Comments of E.ON U.S.

Presented by Mike Winkler

My name is Mike Winkler. I am Manager of Environmental Programs for E.ON U.S., the parent company of Louisville Gas and Electric Company (LG&E) and Kentucky Utilities Company (KU). I am responsible for environmental compliance for our CCR landfills, ash ponds, and beneficial reuse projects.

In Kentucky, we have had regulations governing CCR landfills and beneficial reuse since 1992 and impoundment safety regulations for an even longer period. LG&E and KU have CCR management protocols in place that ensure regulatory compliance and protection of public health and the environment. The Kentucky regulatory program works very well. There has never been a significant spill from any LG&E or KU CCR facility or any other CCR facility in Kentucky. No LG&E or KU CCR facility has ever posed a problem for local water supplies.

Any federal regulations should be adopted under the RCRA Subtitle D program, rather than the Subtitle C hazardous waste program. Regulation under Subtitle C would be administratively burdensome, unnecessarily expensive, and provide little environmental benefit. The fundamental problems with the Subtitle C approach are evident from the fact that virtually every state environmental agency in the nation opposes regulation of CCR's as a hazardous waste. E.ON U.S. supports the "D Prime" alternative that would allow continued operation of existing ash ponds that are operating in a manner ensuring appropriate protection of public health and the environment.

EPA should also avoid interfering with continued beneficial reuse of CCR's either through regulation under Subtitle C or potential restrictions on structural fill or other applications that

involve placement of CCR's on the land. LG&E and KU have extensive experience with structural fill projects undertaken in an environmentally responsible manner. The Kentucky CCR regulations have appropriate restrictions including prohibitions on placement of CCR's near streams or other sensitive areas. Most structural fill projects involve use of CCRs in the construction of buildings, roadways, and parking lots. As a practical matter, pavement or the building structure itself generally provides a level of encapsulation. Considering the limited volumes of CCR's generally used in such projects, such projects are unlikely to pose significant risks to the environment. Restricting beneficial reuse involving structural fills would substantially reduce beneficial reuse because the cement and gypsum markets could not absorb the extra quantities of CCR's.

In closing, beneficial reuse has played a major role in our efforts to manage CCR's in the most cost-effective manner possible. Gutting the beneficial reuse program – through Subtitle C regulation of CCR's or restrictions on beneficial reuse involving structural fill – will result in substantial costs for the utility customers of Kentucky and other states, while providing little or no environmental benefits.

Michael Winkler, Manager
Environmental Programs
E.ON U.S. LLC
220 West Main Street
Louisville, Kentucky 40202

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 37

Witness: John N. Voyles

- Q-37. Reference the testimony of Mr. Voyles at page 28, lines 1 - 12. Describe in detail the "experience" that the Companies have in operating a mine.
- A-37. The Companies do not have experience operating a limestone mine. The Companies have mining engineers on staff with experience in coal mining operations. Likewise, the Companies have extensive experience in handling and managing CCR materials in a variety of systems and configurations during all climatic conditions. With this experience, the Companies have concerns about the feasibility of Sterling Ventures placing and handling CCR materials in their mine.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 38

Witness: Gary H. Revlett

- Q-38. Reference the testimony of Mr. Revlett at page 1 whereat the witness states that he is an employee of LG&E and KU Services Company.
- a. Provide Mr. Revlett's title or position with LG&E and KU Services Company.
 - b. Provide Mr. Revlett's job description as it relates to LG&E and KU Services Company.
 - c. Provide a comprehensive corporate chart showing the full relationship, including ownership, whether the companies are regulated, and the affiliation between KU, LG&E, LG&E and KU Services Company, and LG&E and KU Energy LLC.
- A-38. a. Mr. Revlett is the Director of Environmental Affairs for LG&E and KU, and is an employee of LG&E and KU Services Company.
- b. Mr. Revlett is responsible for developing and implementing LG&E and KU's environmental strategy, policies, procedures, and management systems. This includes overall responsibility for the Companies' environmental compliance, planning, permitting, and reporting activities.
 - c. See the response to Question No. 30c.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 39

Witness: David S. Sinclair

- Q-39. Reference the testimony of Mr. Sinclair at page 1 whereat the witness states that he is an employee of KU and LG&E Energy LLC.
- a. Provide Mr. Sinclair's title or position with LG&E and KU Energy LLC.
 - b. Provide Mr. Sinclair's job description as it relates to LG&E and KU Energy LLC.
 - c. Provide a comprehensive corporate chart showing the full relationship, including ownership, whether the companies are regulated, and the affiliation between KU, LG&E, LG&E and KU Services Company, and LG&E and KU Energy LLC.
- A-39. a. Mr. Sinclair is Vice President, Energy Supply and Analysis of KU and LG&E, and an employee of LG&E and KU Services Company. In his direct testimony, Mr. Sinclair inadvertently stated that he is an employee of LG&E and KU Energy LLC.
- b. Mr. Sinclair is responsible for coal and gas procurement for LG&E and KU's generation fleet, wholesale electricity sales and purchases, generation dispatch, long-term sales forecasting, generation planning, and energy market analysis.
 - c. See the response to Question No. 30c.

**KENTUCKY UTILITIES COMPANY
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**Supplemental Data Request of Sterling Ventures, LLC
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Case No. 2015-00194

Question No. 40

Witness: Robert M. Conroy

- Q-40. With regard to LG&E and KU Energy LLC, provide the following:
- a. The services provided by LG&E and KU Energy LLC to KU,
 - b. The total financial contribution KU pays, allocates or books to LG&E and KU Energy LLC,
 - c. The services provided by LG&E and KU Energy LLC to LG&E,
 - d. The total financial contribution LG&E pays, allocates or books to LG&E and KU Energy LLC, and
 - e. The names and titles of all officers of LG&E and KU Energy LLC.
- A-40. a. LG&E and KU Energy LLC serves as the holding company parent for KU; LG&E and KU Energy LLC provides no direct services to KU. Services provided to KU are provided by LG&E and KU Services Company as described in the response to Question No. 30.
- b. Consistent with long-standing change of control and corporate reorganization regulatory commitments approved by this Commission, LG&E and KU Energy LLC makes equity contributions to KU, as necessary, and KU pays LG&E and KU Energy LLC dividends from earnings.
 - c. LG&E and KU Energy LLC serves as the holding company parent for LG&E; LG&E and KU Energy LLC provides no direct services to LG&E. Services provided to LG&E are provided by LG&E and KU Services Company as described in the response to Question No. 30.
 - d. Consistent with long-standing change of control and corporate reorganization regulatory commitments approved by this Commission, LG&E and KU Energy LLC makes equity contributions to LG&E, as necessary, and LG&E pays LG&E and KU Energy LLC dividends from earnings.

- e. See the response to Question No. 31e. All officers of LG&E and KU Services Company are also officers of LG&E and KU Energy LLC.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 41

Witness: Robert M. Conroy

Q-41. Did LG&E and KU Energy LLC participate in the decision of KU and LG&E in the underlying CPCN case? If so, provide the following:

- a. The names and titles of the officers who participated.
- b. The exact nature of the participation, as in whether the company provided any calculations, analysis(es), data or information, etc.
- c. Describe in detail whether the company had any role in making the final decision.

A-41. No. See the response to Question No. 32.

- a. Not applicable.
- b. Not applicable.
- c. Not applicable.

**KENTUCKY UTILITIES COMPANY
LOUISVILLE GAS AND ELECTRIC COMPANY**

**Supplemental Data Request of Sterling Ventures, LLC
Dated August 20, 2015**

Case No. 2015-00194

Question No. 42

Witness: Robert M. Conroy

- Q-42. Reference the testimony of Mr. Conroy at page 1 whereat the witness states that he is an employee of LG&E and KU Services Company.
- a. Provide Mr. Conroy's title or position with LG&E and KU Services Company.
 - b. Provide Mr. Conroy's job description as it relates to LG&E and KU Services Company.
 - c. Provide a comprehensive corporate chart showing the full relationship, including ownership, whether the companies are regulated, and the affiliation between KU, LG&E, LG&E and KU Services Company, and LG&E and KU Energy LLC.
- A-42. a. Mr. Conroy is the Director of Rates for KU and LG&E, and an employee of LG&E and KU Services Company.
- b. Mr. Conroy is responsible for developing and implementing LG&E's and KU's rates and the regulatory relationships with state commissions.
 - c. See the response to Question No. 30c.