



PPL companies

Mr. Jeff DeRouen
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601

RECEIVED

AUG 19 2011

PUBLIC SERVICE
COMMISSION

LG&E and KU Energy LLC
State Regulation and Rates
220 West Main Street
PO Box 32010
Louisville, Kentucky 40232
www.lge-ku.com

Rick E. Lovekamp
Manager Regulatory Affairs
T 502-627-3780
F 502-627-3213
rick.lovekamp@lge-ku.com

August 19, 2011

RE: *The 2011 Joint Integrated Resource Plan of Louisville Gas and Electric Company and Kentucky Utilities Company – Case No. 2011-00140*

Dear Mr. DeRouen:

Please find enclosed and accept for filing the original and ten (10) copies of the supplemental response of Louisville Gas and Electric Company and Kentucky Utilities Company to Question Nos. 7 – 10 of the Initial Interrogatories of Rick Clewett, Drew Foley, Janet Overman, Gregg Wagner, the Natural Resource Defense Council, and the Sierra Club dated July 15, 2011, in the above-referenced matter.

Under separate cover, counsel will file a response to the Motion to Compel early next week.

Should you have any questions regarding the enclosed, please contact me at your convenience.

Sincerely,

A handwritten signature in black ink that reads "Rick E. Lovekamp". The signature is written in a cursive, flowing style.

Rick E. Lovekamp

cc: Parties of Record

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

THE 2011 JOINT INTEGRATED RESOURCE PLAN)
OF LOUISVILLE GAS AND ELECTRIC COMPANY) CASE NO.
AND KENTUCKY UTILITIES COMPANY) 2011-00140

LOUISVILLE GAS AND ELECTRIC COMPANY AND
KENTUCKY UTILITIES COMPANY'S
SUPPLEMENTAL RESPONSE TO THE INITIAL INTERROGATORIES OF
RICK CLEWETT, DREW FOLEY, JANET OVERMAN, GREGG WAGNER,
THE NATURAL RESOURCES DEFENSE COUNCIL AND THE SIERRA CLUB
DATED JULY 15, 2011

Filed: August 19, 2011

VERIFICATION

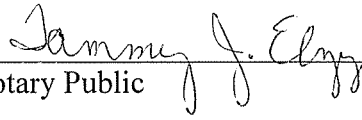
COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Charles R. Schram**, being duly sworn, deposes and says that he is Director – Energy Planning, Analysis and Forecasting 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.



Charles R. Schram

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 19th day of August 2011.

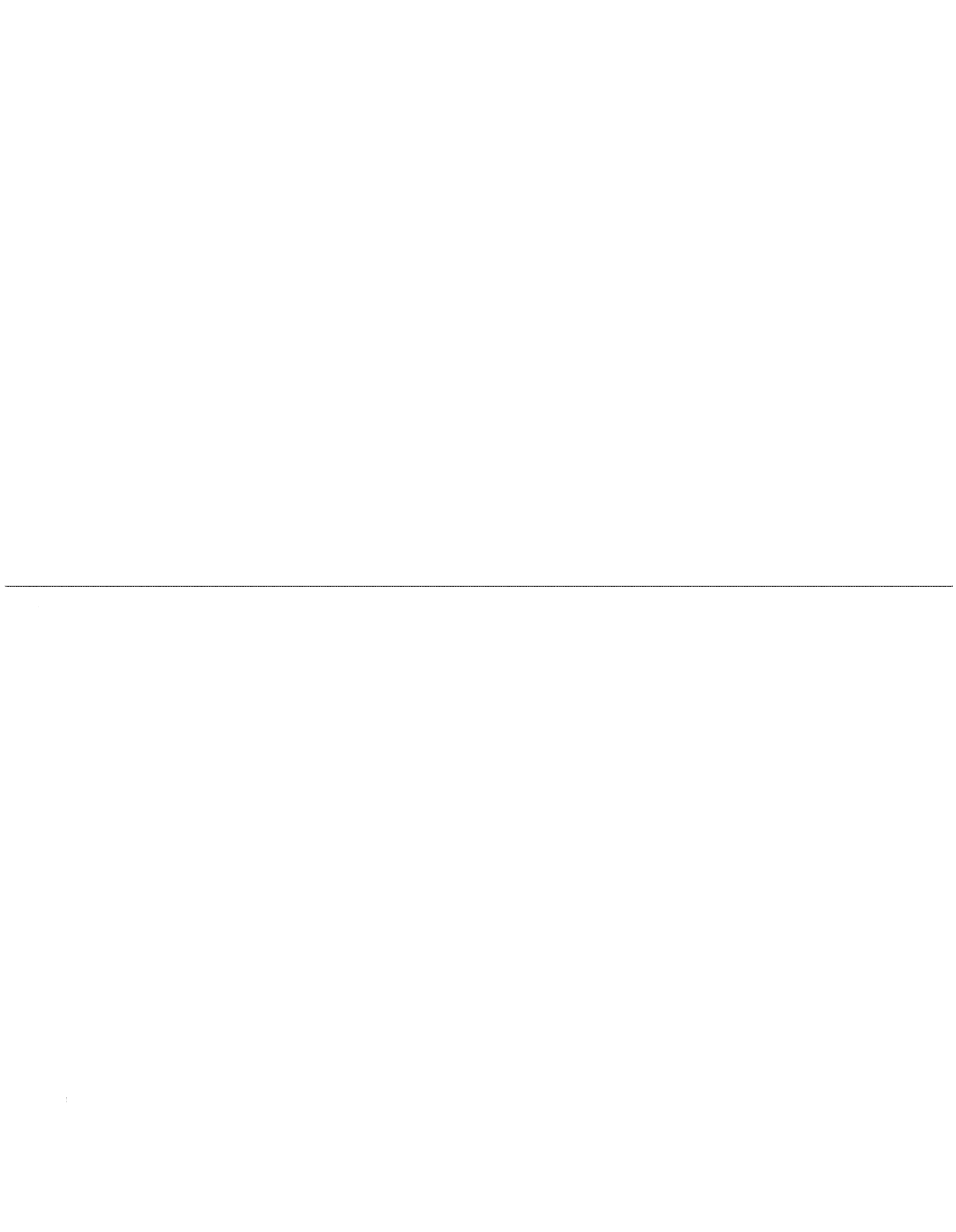


Notary Public

(SEAL)

My Commission Expires:

November 9, 2014



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

**August 19, 2011 Supplemental Response to the Initial Interrogatories of Rick Clewett,
Drew Foley, Janet Overman, Gregg Wagner, the Natural Resources Defense Council and
the Sierra Club Dated July 15, 2011**

Case No. 2011-00140

Question No. 7

Witness: Charles R. Schram/Counsel

Q-7. Refer to page 8-4 of the Resource Plan. For each of the Companies' coal-fired electric generating units, identify in which years over the life of the Resource Plan the Companies intend to carry out "three-to-four week boiler outages," and list each project the Companies plan to carry out during each outage, and the cost of each such project.

A-7. **July 21, 2011 Objection:**

The quoted material referenced in the request for information is from a description of information in the Integrated Resource Plan. That material was provided only for informational purposes. The information requested was not used in the development of the Resource Plan in Integrated Resource Plan and therefore is irrelevant to the issues in this proceeding. Without waiver of this objection, Kentucky Utilities Company and Louisville Gas and Electric Company will file an additional response on August 4, 2011.

August 4, 2011 Response:

The quoted material referenced in the request for information is from a description of information in the Integrated Resource Plan. That material was provided only for informational purposes. The information requested was not used in the development of the Resource Plan in Integrated Resource Plan and therefore is irrelevant to the issues in this proceeding. Without waiver of this objection, Kentucky Utilities Company and Louisville Gas and Electric Company will file an additional response on August 4, 2011.

The maintenance plan incorporated in the Companies' 2011 Integrated Resource Plan is attached. The timing of three-to-four week outages is indicated in the attachment. The nature and cost of each outage project is not contemplated in the development of the Resource Plan. The timing of planned outages may change. Therefore, the IRP's analysis supporting the 2016 unit retirements was based on average maintenance cost assumptions that were escalated throughout the planning period.

The maintenance plan is confidential and is the subject of a Petition for Confidential Protection being filed herewith. The Companies will disclose the redacted confidential information to any intervenor with a legitimate interest in such information and as required by the Commission, but only after such an intervenor has entered into a mutually satisfactory confidentiality agreement with the Companies.

August 19, 2011 Supplemental Response:

The maintenance plan incorporated in the Companies' 2011 Integrated Resource Plan showing the timing of three-to-four week outages was included in the August 5, 2011 response. A listing of each project contemplated for each outage does not exist for the entire Resource Plan. In the analysis supporting the development of the expansion plan in the 2011 IRP, only the total cost is utilized and a detailed listing of projects is not necessary. The total cost was included in the summary data provided in response to Rick Clewett et al, Initial Interrogatories Question No. 26 ("Interrogatory No. 1-26").

The analysis supporting the development of the expansion plan in the 2011 IRP included a retirement study and an expansion plan analysis. In the retirement study, the Companies assessed the impact of proposed and existing EPA regulations on its generating fleet. In this analysis, the Companies – for each of the units for which controls are needed – compared the difference in present value of revenue requirements ("PVRR") between (a) installing controls and (b) retiring and replacing capacity. The Companies fixed and variable O&M (which includes fixed O&M for planned outages) is summarized in total in the IRP (see table 8.(3)(b)12(e)). In addition, this data was summarized by unit and provided in the response to Interrogatory No. 1-26. The more detailed cost data used to prepare data in the response to Interrogatory No. 1-26 is included in the attachment to this supplemental response. The attachment contains variable O&M, existing fixed O&M, fixed O&M for new controls, capital for new controls, and annual capital. Variable O&M includes the cost of consumables. Existing fixed O&M includes fixed O&M for outages and other routine maintenance. Annual capital includes capital associated with routine maintenance.

The results of the retirement study (i.e., the decisions to retire the Cane Run, Green River, and Tyrone coal units) were incorporated in the expansion plan analysis. The expansion plan analysis did not consider the outage costs because these costs are unchanged for each of the expansion plans considered.

\$000

Variable O&M

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Brown 1	46	123	143	211	314	722	818	856	990	940	868	1,101	1,207	1,224	1,361
Brown 2	90	270	274	343	356	1,172	1,324	1,424	1,616	1,605	1,763	1,958	1,867	2,072	2,266
Brown 3	534	2,222	3,593	3,653	3,825	6,122	7,510	7,556	7,181	8,067	8,881	9,050	9,737	9,720	10,568
Cane Run 4	1,596	1,428	1,216	1,864	1,855	0	0	0	0	0	0	0	0	0	0
Cane Run 5	2,395	2,078	1,934	2,611	2,306	0	0	0	0	0	0	0	0	0	0
Cane Run 6	4,250	3,005	2,886	3,764	4,063	0	0	0	0	0	0	0	0	0	0
Ghent 1	4,600	4,916	5,996	5,846	7,428	8,509	10,884	10,661	11,720	11,682	10,432	12,879	12,355	13,613	13,394
Ghent 2	1,803	1,521	3,010	2,949	3,070	5,841	6,885	7,164	6,158	7,474	7,303	7,754	7,589	8,090	7,906
Ghent 3	2,799	3,436	4,093	5,085	5,336	8,128	7,339	9,136	9,121	9,724	9,851	10,413	10,267	10,372	11,758
Ghent 4	5,641	5,830	7,357	6,978	6,811	11,090	11,815	11,428	12,520	12,484	13,251	11,744	13,792	13,765	14,633
Green River 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Green River 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mill Creek 1	1,396	1,265	1,447	1,861	4,268	4,262	4,596	4,425	4,789	4,236	4,995	4,781	5,200	5,005	5,410
Mill Creek 2	1,217	1,437	1,782	3,996	3,958	4,608	4,396	4,796	4,217	5,014	4,796	5,196	4,989	5,434	5,202
Mill Creek 3	5,513	6,642	6,562	7,627	8,456	12,290	11,780	12,846	11,279	13,446	12,906	13,951	13,431	14,617	14,050
Mill Creek 4	5,833	6,583	7,087	7,010	10,596	12,022	13,106	12,602	13,705	13,228	14,277	12,618	14,894	14,347	15,570
Tribble County 1	3,316	3,932	3,705	4,119	4,491	8,085	6,911	8,380	7,863	8,780	8,189	9,107	8,509	9,500	8,126
Tribble County 2	6,224	6,514	7,392	6,920	7,691	7,222	8,002	6,864	8,325	7,817	8,661	8,108	9,011	8,461	9,375
Tyrone 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

*75% TC

BROWN 1	46	123	143	211	314	722	818	856	990	940	868	1,101	1,207	1,224	1,361
BROWN 2	90	270	274	343	356	1,172	1,324	1,424	1,616	1,605	1,763	1,958	1,867	2,072	2,266
BROWN 3	534	2,222	3,593	3,653	3,825	6,122	7,510	7,556	7,181	8,067	8,881	9,050	9,737	9,720	10,568
BROWN 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWN 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWN 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWN 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWN 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWN 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BROWN 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CANE RUN 4	1,596	1,428	1,216	1,864	1,855	0	0	0	0	0	0	0	0	0	0
CANE RUN 5	2,395	2,078	1,934	2,611	2,306	0	0	0	0	0	0	0	0	0	0
CANE RUN 6	4,250	3,005	2,886	3,764	4,063	0	0	0	0	0	0	0	0	0	0
CR G/O 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EEL UNIT 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GHEHT 1	4,600	4,916	5,996	5,846	7,428	8,509	10,884	10,661	11,720	11,682	10,432	12,879	12,355	13,613	13,394
GHEHT 2	1,803	1,521	3,010	2,949	3,070	5,841	6,885	7,164	6,158	7,474	7,303	7,754	7,589	8,090	7,906
GHEHT 3	2,799	3,436	4,093	5,085	5,336	8,128	7,339	9,136	9,121	9,724	9,851	10,413	10,267	10,372	11,758
GHEHT 4	5,641	5,830	7,357	6,978	6,811	11,090	11,815	11,428	12,520	12,484	13,251	11,744	13,792	13,765	14,633
GRRIVER 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GRRIVER 4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAEFLINGT 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MILL CRK 1	1,396	1,265	1,447	1,861	4,268	4,262	4,596	4,425	4,789	4,236	4,995	4,781	5,200	5,005	5,410
MILL CRK 2	1,217	1,437	1,782	3,996	3,958	4,608	4,396	4,796	4,217	5,014	4,796	5,196	4,989	5,434	5,202
MILL CRK 3	5,513	6,642	6,562	7,627	8,456	12,290	11,780	12,846	11,279	13,446	12,906	13,951	13,431	14,617	14,050
MILL CRK 4	5,833	6,583	7,087	7,010	10,596	12,022	13,106	12,602	13,705	13,228	14,277	12,618	14,894	14,347	15,570
OVEC 1	46,465	52,074	50,673	54,847	58,072	66,004	63,955	66,673	72,893	72,343	74,951	79,011	77,555	78,483	81,430
PADDYS 11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PADDYS 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PADDYS 13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC CT 5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC CT 6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC CT 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC CT 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC CT 9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC CT 10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC1 75% 1	3,316	3,932	3,705	4,119	4,491	8,085	6,911	8,380	7,863	8,780	8,189	9,107	8,509	9,500	8,126
TC2 75% 2	6,224	6,514	7,392	6,920	7,691	7,222	8,002	6,864	8,325	7,817	8,661	8,108	9,011	8,461	9,375
TYRONE 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYRONE 2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TYRONE 3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATRSIDE 7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WATRSIDE 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ZORN 1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

5000	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Capital for New Controls															
Brown 1	2,045	14,655	18,627	10,412	0	0	0	0	0	0	0	0	0	0	0
Brown 2	215	3,314	14,437	14,673	14,831	1,336	0	0	0	0	0	0	0	0	0
Brown 3	0	0	2,131	27,061	40,416	13,292	0	0	0	0	0	0	0	0	0
Cane Run 4															
Cane Run 5															
Cane Run 6															
Ghent 1	4,012	3,550	5,175	63,126	83,047	27,043	0	0	0	0	0	0	0	0	0
Ghent 2	16,229	79,947	111,301	120,778	76,195	23,311	0	0	0	0	0	0	0	0	0
Ghent 3	4,012	4,775	25,980	62,219	87,298	9,036	0	0	0	0	0	0	0	0	0
Ghent 4	4,012	4,405	16,022	57,942	77,575	7,661	0	0	0	0	0	0	0	0	0
Green River 3															
Green River 4															
Mill Creek 1	0	9,531	47,160	87,725	10,680	5,186	539	0	0	0	0	0	0	0	0
Mill Creek 2	12,717	58,276	103,560	12,267	4,987	519	0	0	0	0	0	0	0	0	0
Mill Creek 3	0	4,655	43,097	116,061	85,575	0	0	0	0	0	0	0	0	0	0
Mill Creek 4	33,115	154,417	171,220	96,919	0	0	0	0	0	0	0	0	0	0	0
Trimble County 1	0	0	14,902	58,149	84,653	8,381	0	0	0	0	0	0	0	0	0
Trimble County 2															
Tyrone 3															
*75% TC															
BR1	1,830	13,322	15,834	8,233											
BR1	0	0	931	968											
BR1	215	1,343	1,863	1,211											
BR2	0	1,522	11,875	13,174	13,272	1,336	0	0	0	0	0	0	0	0	0
BR2	0	0	0	1,499	1,559	0	0	0	0	0	0	0	0	0	0
BR2	215	1,791	2,561	0	0	0	0	0	0	0	0	0	0	0	0
BR3	0	0	2,131	25,851	36,102	11,983	0	0	0	0	0	0	0	0	0
BR3	0	0	0	1,211	4,314	1,310	0	0	0	0	0	0	0	0	0
GH1	0	0	4,575	55,515	77,531	25,734	0	0	0	0	0	0	0	0	0
GH1	4,012	3,550	0	1,211	5,515	1,310	0	0	0	0	0	0	0	0	0
GH1															
GH2	12,217	76,235	600	6,400	0	0	0	0	0	0	0	0	0	0	0
GH2	0	0	105,712	68,713	0	0	0	0	0	0	0	0	0	0	0
GH2	0	0	5,588	50,854	71,021	22,001	0	0	0	0	0	0	0	0	0
GH2	4,012	3,712	0	1,211	5,174	1,310	0	0	0	0	0	0	0	0	0
GH3	0	0	19,280	58,482	83,412	9,036	0	0	0	0	0	0	0	0	0
GH3	0	0	0	3,737	3,987	0	0	0	0	0	0	0	0	0	0
GH3	4,012	4,475	6,700	49,582	73,665	7,661	0	0	0	0	0	0	0	0	0
GH4	0	0	13,622	3,760	3,910	0	0	0	0	0	0	0	0	0	0
GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH4	4,012	4,405	2,400	4,600	2,597	0	0	0	0	0	0	0	0	0	0
MC1	0	0	12,006	34,962	2,597	0	0	0	0	0	0	0	0	0	0
MC1	0	9,051	32,945	48,947	5,090	0	0	0	0	0	0	0	0	0	0
MC1	0	480	1,748	2,857	0	0	0	0	0	0	0	0	0	0	0
MC1	0	0	461	959	2,992	5,186	539	0	0	0	0	0	0	0	0
MC2	0	11,544	33,617	2,497	0	0	0	0	0	0	0	0	0	0	0
MC2	8,703	31,678	47,064	4,895	0	0	0	0	0	0	0	0	0	0	0
MC2	3,552	12,930	19,210	1,998	0	0	0	0	0	0	0	0	0	0	0
MC2	462	1,661	2,747	0	0	0	0	0	0	0	0	0	0	0	0
MC2	0	443	922	2,877	4,987	519	0	0	0	0	0	0	0	0	0
MC3	0	0	0	59,235	25,027	0	0	0	0	0	0	0	0	0	0
MC3	0	0	0	6,375	19,125	0	0	0	0	0	0	0	0	0	0
MC3	0	2,331	36,368	47,908	39,335	0	0	0	0	0	0	0	0	0	0
MC3	0	124	1,930	2,542	2,087	0	0	0	0	0	0	0	0	0	0
MC3	0	2,200	4,800	57,210	0	0	0	0	0	0	0	0	0	0	0
MC4	20,344	89,920	104,519	0	0	0	0	0	0	0	0	0	0	0	0
MC4	1,175	4,521	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	5,651	51,425	61,122	33,373	0	0	0	0	0	0	0	0	0	0	0
MC4	294	2,674	3,178	1,735	0	0	0	0	0	0	0	0	0	0	0
MC4	5,651	5,877	0	4,600	0	0	0	0	0	0	0	0	0	0	0
TC1	0	0	2,400	4,600	80,591	8,381	0	0	0	0	0	0	0	0	0
TC1	0	0	14,902	54,244	4,062	0	0	0	0	0	0	0	0	0	0
TC1	0	0	0	3,905	0	0	0	0	0	0	0	0	0	0	0

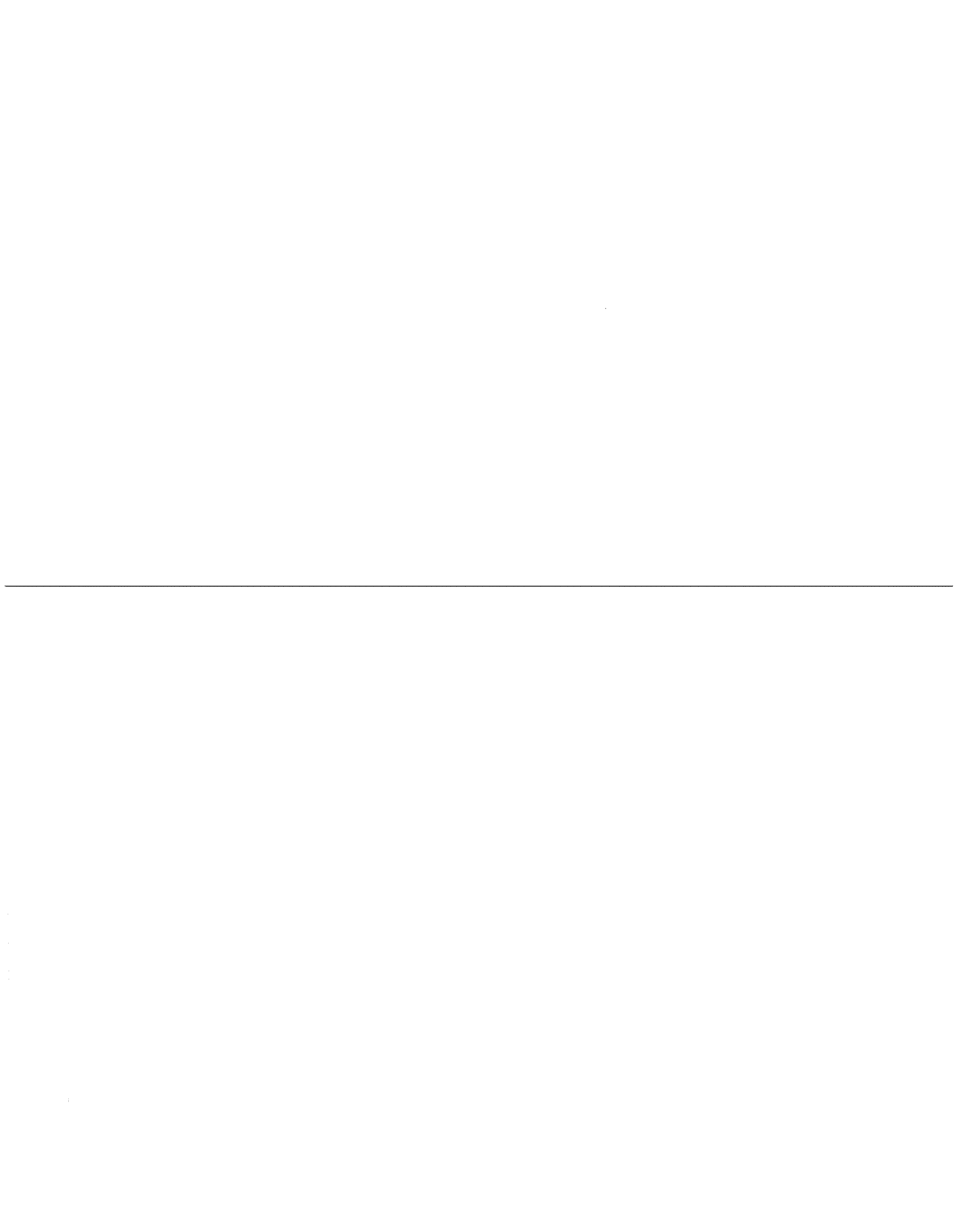
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Annual Capital															
Brown 1	738	753	768	783	799	815	831	848	865	882	900	918	936	955	974
Brown 2	1,221	1,245	1,270	1,295	1,321	1,348	1,375	1,402	1,430	1,459	1,488	1,518	1,548	1,579	1,611
Brown 3	3,041	3,102	3,164	3,227	3,292	3,357	3,425	3,493	3,563	3,634	3,707	3,781	3,857	3,934	4,012
Cane Run 4	826	842	859	876	894	0	0	0	0	0	0	0	0	0	0
Cane Run 5	895	913	931	950	969	0	0	0	0	0	0	0	0	0	0
Cane Run 6	1,279	1,304	1,331	1,357	1,384	0	0	0	0	0	0	0	0	0	0
Ghent 1	5,448	5,557	5,668	5,782	5,898	6,015	6,136	6,258	6,384	6,511	6,642	6,774	6,910	7,048	7,189
Ghent 2	5,552	5,663	5,776	5,891	6,009	6,129	6,252	6,377	6,505	6,635	6,767	6,903	7,041	7,182	7,325
Ghent 3	5,506	5,616	5,728	5,843	5,960	6,079	6,200	6,324	6,451	6,580	6,711	6,846	6,983	7,122	7,265
Ghent 4	5,494	5,604	5,716	5,831	5,947	6,066	6,187	6,311	6,437	6,566	6,697	6,831	6,968	7,107	7,250
Green River 3	417	426	434	443	452	0	0	0	0	0	0	0	0	0	0
Green River 4	583	594	606	618	631	0	0	0	0	0	0	0	0	0	0
Mill Creek 1	3,293	3,359	3,427	3,495	3,565	3,636	3,709	3,783	3,859	3,936	4,015	4,095	4,177	4,260	4,346
Mill Creek 2	3,272	3,337	3,404	3,472	3,541	3,612	3,685	3,758	3,833	3,910	3,988	4,068	4,149	4,232	4,317
Mill Creek 3	4,250	4,335	4,422	4,510	4,600	4,692	4,786	4,882	4,980	5,079	5,181	5,284	5,390	5,498	5,608
Mill Creek 4	5,185	5,288	5,394	5,502	5,612	5,724	5,839	5,956	6,075	6,196	6,320	6,447	6,576	6,707	6,841
Trimble County 1	1,233	1,257	1,283	1,308	1,334	1,361	1,388	1,416	1,444	1,473	1,503	1,533	1,564	1,595	1,627
Trimble County 2	1,767	1,803	1,839	1,875	1,913	1,951	1,990	2,030	2,071	2,112	2,154	2,197	2,241	2,286	2,332
Tyrone 3	1,000	1,020	1,040	1,061	1,082	0	0	0	0	0	0	0	0	0	0

*75% TC

Escalation Rate: 2%

Details of Annual Capital

	Max Cap	Annual Capital (2011 \$)
Brown 1	101	16,000
Brown 2	167	3,000
Brown 3	416	3,000
Cane Run 4	155	22,000
Cane Run 5	168	5,000
Cane Run 6	240	1,000
Ghent 1	475	1,000
Ghent 2	484	1,000
Ghent 3	480	1,000
Ghent 4	479	1,000
Green River 3	68	
Green River 4	95	
Mill Creek 1	303	
Mill Creek 2	301	
Mill Creek 3	391	
Mill Creek 4	477	
Trimble County 1	383	
Trimble County 2	549	
Tyrone 3	71	



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

**August 19, 2011 Supplemental Response to the Initial Interrogatories of Rick Clewett,
Drew Foley, Janet Overman, Gregg Wagner, the Natural Resources Defense Council and
the Sierra Club Dated July 15, 2011**

Case No. 2011-00140

Question No. 1-8

Witness: Charles R. Schram/Counsel

Q-8. Refer to page 8-4 of the Resource Plan. For each of the Companies' coal-fired electric generating units, identify in which years over the life of the Resource Plan the Companies intend to carry out the "target seven-to-eight year cycle for performing major maintenance." List each project the Companies plan to carry out during each such major maintenance, and the cost of each such project.

A-8. July 21, 2011 Objection:

The quoted material referenced in the request for information is from a description of information in the Integrated Resource Plan. That material was provided only for informational purposes. The information requested was not used in the development of the Resource Plan in Integrated Resource Plan and therefore is irrelevant to the issues in this proceeding. Without waiver of this objection, Kentucky Utilities Company and Louisville Gas and Electric Company will file an additional response on August 4, 2011.

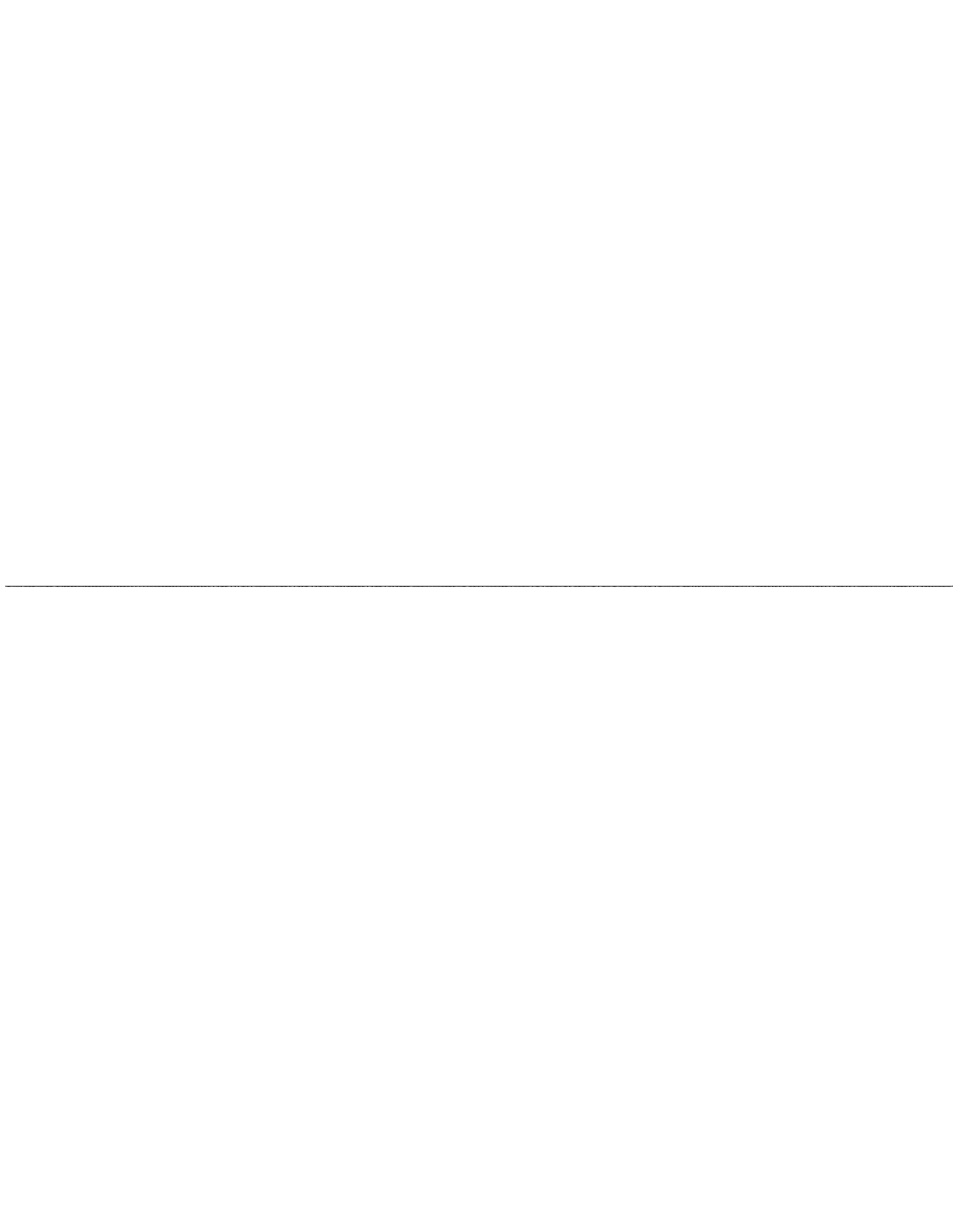
August 4, 2011 Response:

The quoted material referenced in the request for information is from a description of information in the Integrated Resource Plan. That material was provided only for informational purposes. The information requested was not used in the development of the Resource Plan in Integrated Resource Plan and therefore is irrelevant to the issues in this proceeding. Without waiver of this objection, Kentucky Utilities Company and Louisville Gas and Electric Company will file an additional response on August 4, 2011.

The maintenance plan incorporated in the Companies' 2011 Integrated Resource Plan is included as an attachment to Question No. 7. The timing of eight week outages (which occur on seven-to-eight year cycles) is indicated in the attachment. The nature and cost of each outage project is not contemplated in the development of the Resource Plan. The timing of planned outages may change. Therefore, the IRP's analysis supporting the 2016 unit retirements was based on average maintenance cost assumptions that were escalated throughout the planning period.

August 19, 2011 Supplemental Response:

The maintenance plan incorporated in the Companies' 2011 Integrated Resource Plan showing the timing of eight week outages (which occur on seven-to-eight year cycles) was included in the August 4, 2011 response as an attachment to Question No. 7. The Companies routinely perform major and minor maintenance on its units. 'Major' and 'minor' in this context pertain to the length of the outage. Please see the August 19, 2011 Supplemental Response to Question No. 7.



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

**August 19, 2011 Supplemental Response to the Initial Interrogatories of Rick Clewett,
Drew Foley, Janet Overman, Gregg Wagner, the Natural Resources Defense Council and
the Sierra Club Dated July 15, 2011**

Case No. 2011-00140

Question No. 9

Witness: Charles R. Schram/Counsel

Q-9. Refer to page 8-6 of the Resource Plan. For each of the Companies' coal-fired electric generating units, identify in which years during the life of the Resource Plan "boiler outages to replace boiler tube sections" have been scheduled.

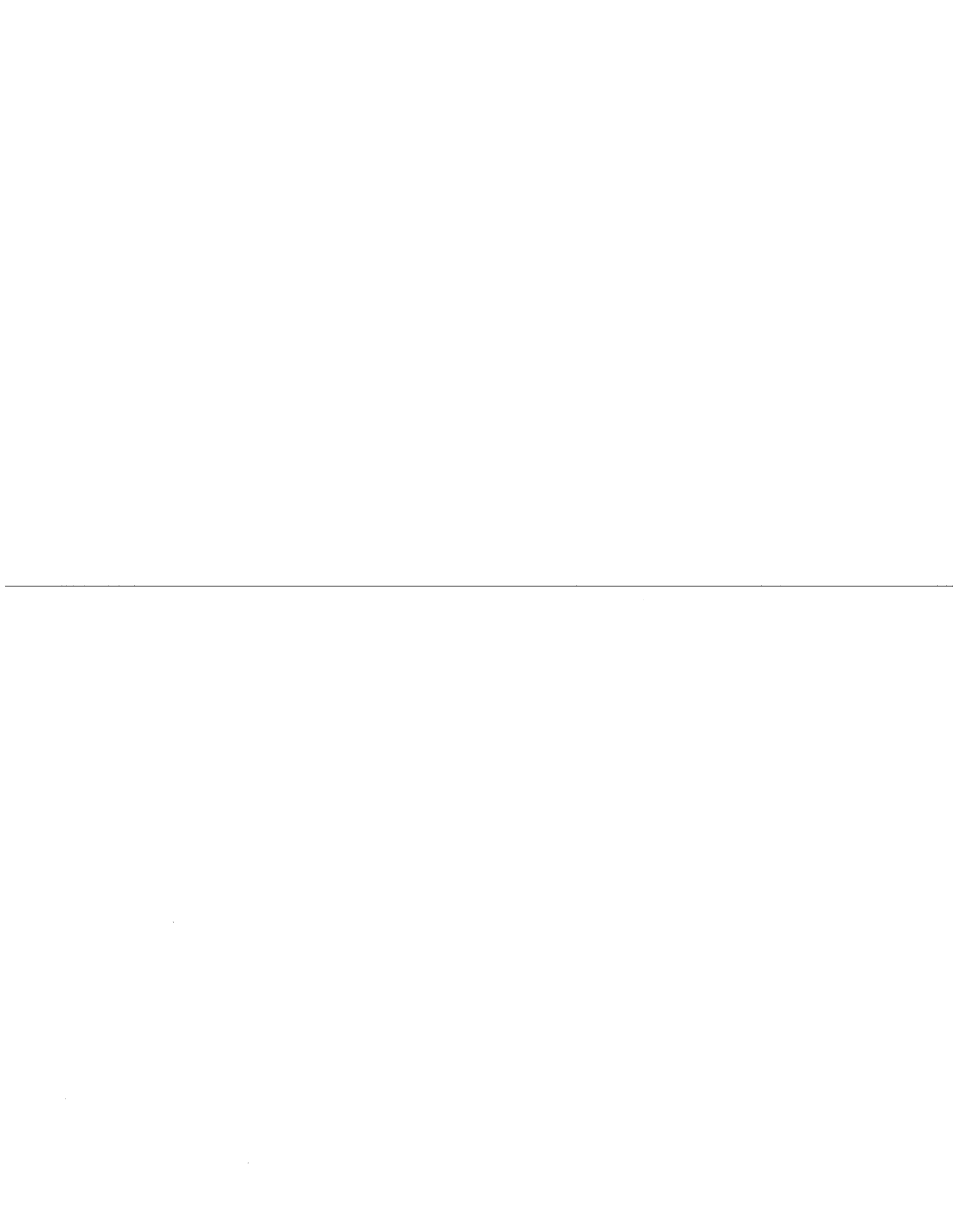
A-9. **July 21, 2011 Objection/August 4, 2011 Response:**

The quoted material referenced in the request for information is from a description of information in the Integrated Resource Plan. That material was provided only for informational purposes. The information requested was not used in the development of the Resource Plan in Integrated Resource Plan and therefore is irrelevant to the issues in this proceeding.

August 19, 2011 Supplemental Response:

Without wavier of the objection, LG&E and KU anticipate conducting boiler outages which will include routine replacement of boiler tubes at each of the coal-fired electric generating units at various times over the 20-year period that is the subject of the Resource Plan. To the extent such outages are presently scheduled by the establishment of the scope and scale of the outage to be preformed and an associated business decision to conduct the outage and incur the cost of the outage, the following information is provided:

Ghent 2	2012	Mill Creek 2	2012
Brown 3	2012	Mill Creek 3	2011
Brown 1	2012	Mill Creek 4	2011
Ghent 3	2011		



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

**August 19, 2011 Supplemental Response to the Initial Interrogatories of Rick Clewett,
Drew Foley, Janet Overman, Gregg Wagner, the Natural Resources Defense Council and
the Sierra Club Dated July 15, 2011**

Case No. 2011-00140

Question No. 10

Witness: Charles R. Schram/Counsel

Q-10. Refer to page 8-7 of the Resource Plan. Identify which of the Companies' coal-fired electric generating units have replaced air heater baskets and in what year they did so.

A-10. **July 21, 2011 Objection/August 4, 2011 Response:**

The quoted material referenced in the request for information is from a description of information in the Integrated Resource Plan. That material was provided only for informational purposes. The information requested was not used in the development of the Resource Plan in Integrated Resource Plan and therefore is irrelevant to the issues in this proceeding.

August 19, 2011 Supplemental Response:

Without wavier of the objection, the information requested is summarized below:

2010	Mill Creek 3
2010	Mill Creek 4
2011	Ghent 1