

Jeff DeRouen, Executive Director Public Service Commission of Kentucky 211 Sower Boulevard P. O. Box 615 Frankfort, Kentucky 40602

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SEP 08 2011

PUBLIC SERVICE COMMISSION

Kentucky Utilities Company State Regulation and Rates 220 West Main Street PO Box 32010 Louisville, Kentucky 40232 www.lge-ku.com

Robert M. Conroy Director - Rates T 502-627-3324 F 502-627-3213 robert.conroy@lge-ku.com

September 8, 2011

RE: The Application of Kentucky Utilities Company for Certificates of Public Convenience and Necessity and Approval of Its 2011 Compliance Plan for Recovery by Environmental Surcharge Case No. 2011-00161

Dear Mr. DeRouen:

Enclosed please find an original and fifteen (15) copies of Kentucky Utilities Company's (KU) supplemental response to Question No. 6(c) of the Kentucky Industrial Utility Customers's (KIUC) First Set of Data Requests dated July 12, 2011, in the above-referenced matter filed pursuant to the Commission's Order dated September 1, 2011.

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

Sincerely,

Robert M. Conroy

cc: Parties of Record

# COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

### In the Matter of:

THE APPLICATION OF KENTUCKY UTILITIES	)	
COMPANY FOR CERTIFICATES OF PUBLIC	)	
CONVENIENCE AND NECESSITY AND	)	
APPROVAL OF ITS 2011 COMPLIANCE PLAN	)	CASE NO. 2011-00161
FOR RECOVERY BY ENVIRONMENTAL	)	
SURCHARGE	)	

## KENTUCKY UTILITIES COMPANY

RESPONSE PURSUANT TO SEPTEMBER 1, 2011 ORDER TO THE KENTUCKY INDUSTRIAL UTILITY CUSTOMERS, INC. (KIUC) FIRST SET OF DATA REQUESTS, ITEM 6(C) DATED JULY 12, 2011

FILED: SEPTEMBER 8, 2011

#### VERIFICATION

COMMONWEALTH OF KENTUCKY	)	~~
	)	SS
COUNTY OF JEFFERSON	)	

The undersigned, **Daniel K. Arbough**, being duly sworn, deposes and says that he is Treasurer for Kentucky Utilities 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.

Daniel K. Arbough

Subscribed and sworn to before me, a Notary Public in and before said County and State, this Subscribed day of State, this Subscribed and sworn to before me, a Notary Public in and before said County and State, this Subscribed day of Subscribed and sworn to before me, a Notary Public in and before said County and State, this Subscribed and sworn to before me, a Notary Public in and before said County and State, this Subscribed and sworn to before me, a Notary Public in and before said County and State, this Subscribed and Subscribe

Notary Public

My Commission Expires:

#### KENTUCKY UTILITIES COMPANY

# Response Pursuant to September 1, 2011 Order to KIUC's First Set of Data Requests, Item 6(c) Dated July 12, 2011

filed September 8, 2011

Case No. 2011-00161

**Question No. 1-6** 

Witness: Counsel / Daniel K. Arbough

- Q1-6 Refer to the PPL Corporation presentation on May 11, 2011 to the Deutsche Bank Conference available on the PPL website.
  - c. On 12 of that presentation entitled "Capital Expenditures," the presentation shows "LKE ECR" capital expenditures of \$0.2 billion in 2011, \$0.7 billion in 2012, \$0.8 billion in 2013, \$0.8 billion in 2014, and \$0.5 billion in 2015, or a total of \$3.0 billion over the five year period. Please provide the underlying support for these projections at the most detailed level available including, but not limited to, all financial statement projections.

#### A1-6.

c. The attached file shows the detail behind the numbers included in the slide marked as page 12 and entitled "Capital Expenditures" in portions of the columns designated "LKE ECR" capital expenditures, presented by PPL at the Deutsche Bank conference in May 2011. The projections include estimated costs for the ECR projects that are the subject of this case as well as previously approved ECR projects and future projects for which no ECR application has been made. Estimated costs included in the file are as of a date prior to the ECR filings. Changes occurred in the estimates during the period between the preparation of the presentation by PPL at the Deutsche Bank conference in May 2011 and the ECR filing on June 1, 2011. The numbers in the PPL presentation slide include only projected costs to be included in FERC account 107.

LKE Capex (no SCRs for 2011-2020)

	20	11 Forecast			2012		
	107	108	Total	107	108	Total	
Environmental	185,366	1,037	186,403	279,419	628	280,047	
Environmental EPA regulations	22,529		22,529	369,378	10,874	380,252	
Total ECR Capital Expenditures	207,895	1,037	208,932	648,798	11,502	660,299	
List of significant projects:							
Environmental EPA regulations:							
Mill Creek 4 - SCR Upgrade	1,121	~	1,121	4,485	-	4,485	
Brown 1 - Baghouse	996	-	996	12,115	-	12,115	
Brown 2 - Baghouse	1,001	-	1,001	12,434	-	12,434	
Brown 3 - Baghouse	-	-	-	1,487	*	1,487	
Ghent 1 - Baghouse	684	•	684	45,555	-	45,555	
Ghent 2 - Baghouse	-	-	-	29,752	-	29,752	
Ghent 3 - Baghouse	-	-	-	-	-	-	
Ghent 4 - Baghouse	-	-	•	-	-	-	
Mill Creek 1 - Baghouse	-	-	-	13,572	-	13,572	
Mill Creek 2 - Baghouse	•	-	-	12,968	-	12,968	
Mill Creek 3 - Baghouse	-	-	-	-	-	÷,	
Mill Creek 4 - Baghouse	4,028	-	4,028	49,935	-	49,935	
Trimble 1 - Baghouse	-	-	-	-	-	~	
Mill Creek 1 - Combined 1&2 FGD	-	-	-	25,187	-	25,187	
Mill Creek 2 - Combined 1&2 FGD	-	-	-	25,197	-	25,197	
Mill Creek 2 - FGD (U4 update and tie in)	-	-	-	6,892	-	6,892	
Mill Creek 4 - FGD	4,049	-	4,049	70,537	-	70,537	
SAM Mitigation, SCR Turndown	3,197	-	3,197	29,259	-	29,259	
Environmental Air Study	1,452	-	1,452	*	-	-	
CCP Ruling Incremental Capex	¥	-	-	7,404	10,874	18,277	
Incremental BR Landfill	6,000	-	6,000	22,600	-	22,600	
Total Environmental EPA regulations	22,529	-	22,529	369,378	10,874	380,252	
Brown Landfill (+ row 32)	9,407	-	9,407	3,100	-	3,100	
Ghent Landfill	85,898	~	85,898	130,900	-	130,900	
Cane Run Landfill	3,006	÷	3,006	5,500	-	5,500	
Trimble CCP	37,715	-	37,715	98,400	-	98,400	
Landfills/Ponds	-	-	-	-	-	-	
SCRs	40,240	887	41,127	40,172	628	40,800	
FGDs	4,566	-	4,566	-	-	w	

Account 107- CWIP

LKE Capex (no SCRs for 2011-2020) \$000s

*		2014				
	107	2013 108	Total	107	108	Total
	LL	100 1	TOTAL	10/	108	TOTAL
Environmental	81,688		81,688	8,222	-	8,222
Environmental EPA regulations	718,515	204	718,719	743,683	1,131	744,813
Total ECR Capital Expenditures	800,203	204	800,407	751,904	1,131	753,035
List of significant projects:						
Environmental EPA regulations:						
Mill Creek 4 - SCR Upgrade	-	-	-	-	-	-
Brown 1 - Baghouse	17,407	-	17,407	10,776	-	10,776
Brown 2 - Baghouse	17,836	-	17,836	11,041	-	11,041
Brown 3 - Baghouse	19,334	-	19,334	34,584	-	34,584
Ghent 1 - Baghouse	62,182	*	62,182	39,264	-	39,264
Ghent 2 - Baghouse	47,756	204	47,960	72,192	212	72,404
Ghent 3 - Baghouse	38,119	-	38,119	55,649	212	55,861
Ghent 4 - Baghouse	30,351	-	30,351	51,330	171	51,501
Mill Creek 1 - Baghouse	42,343	-	42,343	44,037	-	44,037
Mill Creek 2 - Baghouse	40,944	-	40,944	43,588	-	43,588
Mill Creek 3 - Baghouse	39,815	-	39,815	49,062	-	49,062
Mill Creek 4 - Baghouse	54,678	-	54,678	34,362	419	34,781
Trimble 1 - Baghouse	23,480	-	23,480	37,850	-	37,850
Mill Creek 1 - Combined 1&2 FGD	52,389	-	52,389	54,485	-	54,485
Mill Creek 2 - Combined 1&2 FGD	52,411	-	52,411	54,507	-	54,507
Mill Creek 2 - FGD (U4 update and tie in)	32,257	-	32,257	29,820	-	29,820
Mill Creek 4 - FGD	87,593	-	87,593	44,293	116	44,409
SAM Mitigation, SCR Turndown	40,296	-	40,296	37,328	-	37,328
Environmental Air Study	-	_	-		-	_
CCP Ruling Incremental Capex	1,525	-	1,525	43,116	-	43,116
Incremental BR Landfill	17,800	. <del>.</del>	17,800	(3,600)	-	(3,600)
Total Environmental EPA regulations	718,515	204	718,719	743,683	1,131	744,813
Brown Landfill (+ row 32)	6,264	-	6,264	~	-	-
Ghent Landfill	61,270	-	61,270	4,922	-	4,922
Cane Run Landfill	11,243		11,243		-	-
Trimble CCP	-	-	-	~		-
Landfills/Ponds	-	-	-	•	-	-
SCRs	1,500	-	1,500	-	-	-
FGDs	-	-	-	-	-	

Account 107- CWIP

#### LKE Capex (no SCRs for 2011-2020) \$000s

50003		2015			2011 - 2015	
	107	108	Total	107	108	Total
Environmental	3,516	-	3,516	558,210	1,665	559,875
Environmental EPA regulations	543,239	192,338	735,578	2,397,345	204,546	2,601,891
Total ECR Capital Expenditures	546,755	192,338	739,094	2,955,555	206,211	3,161,767
List of significant projects:						
Environmental EPA regulations:						
Mill Creek 4 - SCR Upgrade	-	-	-	5,606	-	5,606
Brown 1 - Baghouse	-	-	-	41,294	-	41,294
Brown 2 - Baghouse	-	-	-	42,312	-	42,312
Brown 3 - Baghouse	25,094	-	25,094	80,499	-	80,499
Ghent 1 - Baghouse	-	-	-	147,685	-	147,685
Ghent 2 - Baghouse	6,693	-	6,693	156,392	416	156,808
Ghent 3 - Baghouse	84,049	283	84,332	177,817	495	178,312
Ghent 4 - Baghouse	77,572	178	77,750	159,253	349	159,602
Mill Creek 1 - Baghouse	45,261	538	45,799	145,213	538	145,751
Mill Creek 2 - Baghouse	44,256	901	45,157	141,755	901	142,656
Mill Creek 3 - Baghouse	43,768	-	43,768	132,645	-	132,645
Mill Creek 4 - Baghouse	8,221	-	8,221	151,224	419	151,643
Trimble 1 - Baghouse	57,141	-	57,141	118,470	-	118,470
Mill Creek 1 - Combined 1&2 FGD	44,799	2,422	47,220	176,860	2,422	179,281
Mill Creek 2 - Combined 1&2 FGD	44,818	2,422	47,239	176,933	2,422	179,354
Mill Creek 2 - FGD (U4 update and tie in)	3,877	1,602	5,479	72,845	1,602	74,447
Mill Creek 4 - FGD	11,843	_	11,843	218,315	116	218,431
SAM Mitigation, SCR Turndown	7,607	-	7,607	117,687	-	117,687
Environmental Air Study	-	-	-	1,452	-	1,452
CCP Ruling Incremental Capex	47,242	183,993	231,236	99,287	194,867	294,154
Incremental BR Landfill	(9,000)	-	(9,000)	33,800	-	33,800
Total Environmental EPA regulations	543,239	192,338	735,578	2,397,345	204,546	2,601,891
Brown Landfill (+ row 32)	-	-	-	18,771	_	18,771
Ghent Landfill	816	-	816	283,806	-	283,806
Cane Run Landfill	_	-	-	19,750	_	19,750
Trimble CCP	_	-	-	136,115	~	136,115
Landfills/Ponds	-	-	-	-	-	
SCRs	-	-	-	81,912	1,515	83,427
FGDs	-	-	-	4,566	*	4,566

Account 107- CWIP

KU Capex (no SCRs for 2011-2020) \$000s

107   108   Total   108   10
Environmental EPA regulations   12,798   -   12,798   149,978   10,638   160,615   173,654   887   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   174,
Environmental EPA regulations   12,798   -   12,798   149,978   10,638   160,615   173,654   887   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   371,939   11,266   383,205   174,541   174,
Total ECR Capital Expenditures 173,654 887 174,541 371,939 11,266 383,205  List of significant projects:  Environmental EPA regulations:  Mill Creek 4 - SCR Upgrade
List of significant projects:  Environmental EPA regulations:  Mill Creek 4 - SCR Upgrade  Brown 1 - Baghouse  996  996  12,115  12,115  Brown 2 - Baghouse  1,001  1,001  12,434  12,434  12,434  Brown 3 - Baghouse  684  684  684  45,555  Ghent 1 - Baghouse  684  684  684  45,555  69+12 - Baghouse  69+12 - Baghouse  69-12 - Baghouse  6
Environmental EPA regulations:  Mill Creek 4 - SCR Upgrade  Brown 1 - Baghouse  Brown 2 - Baghouse  1,001  1,001  1,001  1,2434  12,434  Brown 3 - Baghouse  - 1,487  Ghent 1 - Baghouse  684  684  45,555  Ghent 2 - Baghouse  - 2 1,487  Ghent 2 - Baghouse  - 3 29,752  Ghent 3 - Baghouse  - 4 29,752  Ghent 4 - Baghouse  Ghent 4 - Baghouse  - 5 2 29,752  Ghent 4 - Baghouse  - 6 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
Mill Creek 4 - SCR Upgrade       -       -         Brown 1 - Baghouse       996       996       12,115       12,115         Brown 2 - Baghouse       1,001       1,001       12,434       12,434         Brown 3 - Baghouse       -       -       1,487       1,487         Ghent 1 - Baghouse       684       684       45,555       45,555         Ghent 2 - Baghouse       -       -       -       29,752       -       29,752         Ghent 3 - Baghouse       -
Brown 1 - Baghouse         996         996         12,115         12,115           Brown 2 - Baghouse         1,001         1,001         12,434         12,434           Brown 3 - Baghouse         -         -         1,487         1,487           Ghent 1 - Baghouse         684         684         45,555         45,555           Ghent 2 - Baghouse         -         -         -         29,752         -         29,752           Ghent 3 - Baghouse         -
Brown 2 - Baghouse       1,001       1,001       12,434       12,434         Brown 3 - Baghouse       -       -       1,487       1,487         Ghent 1 - Baghouse       684       684       45,555       45,555         Ghent 2 - Baghouse       -       -       -       29,752       -       29,752         Ghent 3 - Baghouse       -<
Brown 3 - Baghouse       -       1,487       1,487         Ghent 1 - Baghouse       684       684       45,555       45,555         Ghent 2 - Baghouse       -       -       -       29,752       -       29,752         Ghent 3 - Baghouse       -
Ghent 1 - Baghouse       684       45,555       4,555       4,555       4,555       4,555       4,555
Ghent 2 - Baghouse       -       -       29,752       -       29,752         Ghent 3 - Baghouse       -       -       -       -       -       -         Ghent 4 - Baghouse       -       -       -       -       -       -       -         Mill Creek 1 - Baghouse       -
Ghent 3 - Baghouse       -
Ghent 4 - Baghouse       -
Mill Creek 1 - Baghouse       -       -         Mill Creek 2 - Baghouse       -       -         Mill Creek 3 - Baghouse       -       -         Mill Creek 4 - Baghouse       -       -         Trimble 1 - Baghouse       -       -       -
Mill Creek 2 - Baghouse
Mill Creek 3 - Baghouse
Mill Creek 4 - Baghouse
Trimble 1 - Baghouse
Mill Creek 1 - Combined 18.7 FGD
Will Cleek 1 - Compiled 1971 190
Mill Creek 2 - Combined 1&2 FGD
Mill Creek 2 - FGD (U4 update and tie in)
Mill Creek 4 - FGD
SAM Mitigation, SCR Turndown 3,197 3,197 21,428 21,428
Environmental Air Study 919 919 -
CCP Ruling Incremental Capex 4,607 10,638 15,245
Incremental BR Landfill 6,000 6,000 22,600 22,600
Total Environmental EPA regulations 12,798 - 12,798 149,978 10,638 160,615
Brown Landfill (+ row 32) 9,407 9,407 3,100 3,100
Ghent Landfill 85,898 85,898 130,900 130,900
Cane Run Landfill
Trimble CCP 18,097 18,097 47,232 47,232
Landfills/Ponds
SCRs 40,240 887 41,127 40,172 628 40,800
FGDs 4,566 4,566 -

Account 107- CWIP

KU Capex (no SCRs for 2011-2020) \$000s

\$000s		2013			2014	
	107	108	Total	107	108	Total
						4.033
Environmental	69,035	-	69,035	4,922	-	4,922
Environmental EPA regulations	276,548	204	276,752	315,406	595 595	316,001 320,923
Total ECR Capital Expenditures	345,583	204	345,786	320,328	595	320,923
List of significant projects:						
Environmental EPA regulations:						
Mill Creek 4 - SCR Upgrade			17.407	10,776		10,776
Brown 1 - Baghouse	17,407		17,407	11,041		11,041
Brown 2 - Baghouse	17,836		17,836	34,584		34,584
Brown 3 - Baghouse	19,334		19,334	·		39,264
Ghent 1 - Baghouse	62,182		62,182	39,264	212	72,404
Ghent 2 - Baghouse	47,756	204	47,960	72,192 55,649	212	55,861
Ghent 3 - Baghouse	38,119	•	38,119	51,330		51,501
Ghent 4 - Baghouse	30,351	-	30,351	31,330	1/1	51,501
Mill Creek 1 - Baghouse			-			-
Mill Creek 2 - Baghouse			-			
Mill Creek 3 - Baghouse			•			_
Mill Creek 4 - Baghouse			-			
Trimble 1 - Baghouse	-		-	•		_
Mill Creek 1 - Combined 1&2 FGD			-			
Mill Creek 2 - Combined 1&2 FGD			-			_
Mill Creek 2 - FGD (U4 update and tie in)			-			
Mill Creek 4 - FGD			-	16 220		16,339
SAM Mitigation, SCR Turndown	24,810		24,810	16,339		10,333
Environmental Air Study			-	27.022		27,832
CCP Ruling Incremental Capex	953	-	953	27,832		(3,600)
Incremental BR Landfill	17,800		17,800	(3,600		316,001
Total Environmental EPA regulations	276,548	204	276,752	315,406	595	310,001
Brown Landfill (+ row 32)	6,264		6,264	4.022		4,922
Ghent Landfill	61,270		61,270	4,922		4,322
Cane Run Landfill			-			-
Trimble CCP			-			-
Landfills/Ponds	-			-		~
SCRs	1,500		1,500	-		-
FGDs			-			-

Account 107- CWIP

KU Capex (no SCRs for 2011-2020) \$000s

		2015				2011 - 2015	
	107	108	Total		107	108	Total
En des annotation	816		816		457,589	1,515	459,104
Environmental	214,610	138,529	353,139		969,340	1,515	1,119,306
Environmental EPA regulations Total ECR Capital Expenditures	215,426	138,529	353,955		1,426,929	151,481	1,578,410
Total Zon Capital Enperiores	,		,		.,,		, , , ,
List of significant projects:							
Environmental EPA regulations:							
Mill Creek 4 - SCR Upgrade			-		-	•	-
Brown 1 - Baghouse	-		-		41,294	-	41,294
Brown 2 - Baghouse	-		-		42,312	-	42,312
Brown 3 - Baghouse	25,094		25,094		80,499	~	80,499
Ghent 1 - Baghouse	-		-		147,685	-	147,685
Ghent 2 - Baghouse	6,693	-	6,693		156,392	416	156,808
Ghent 3 - Baghouse	84,049	283	84,332		177,817	495	178,312
Ghent 4 - Baghouse	77,572	178	77,750		159,253	349	159,602
Mill Creek 1 - Baghouse			~		-	-	-
Mill Creek 2 - Baghouse			~		-	-	-
Mill Creek 3 - Baghouse			~		-		-
Mill Creek 4 - Baghouse			~		-	~	-
Trimble 1 - Baghouse	-		-		-	-	-
Mill Creek 1 - Combined 1&2 FGD			-		-	-	-
Mill Creek 2 - Combined 1&2 FGD			-		-	-	-
Mill Creek 2 - FGD (U4 update and tie in)			_		-		-
Mill Creek 4 - FGD			-		-	-	-
SAM Mitigation, SCR Turndown	-				65,774	-	65,774
Environmental Air Study			-		919	-	919
CCP Ruling Incremental Capex	30,202	138,068	168,270		63,594	148,705	212,300
Incremental BR Landfill	(9,000)		(9,000)		33,800	_	33,800
Total Environmental EPA regulations	214,610	138,529	353,139	•	969,340	149,966	1,119,306
Brown Landfill (+ row 32)			_		18,771	-	18,771
Ghent Landfill	816		816		283,806	•	283,806
Cane Run Landfill			-			-	_
Trimble CCP			-		65,329	+	65,329
Landfills/Ponds	-		-		-	_	
SCRs	-		*		81,912	1,515	83,427
FGDs			_		4,566		4,566

Account 107- CWIP

LGE Capex (no SCRs for 2011-2020) \$000s

<b>40003</b>	20	11 Forecast		Ī		2012	
	107	108	Total		107	108	Total
Environmental	24,510	150	24,660		57,458	-	57,458
Environmental EPA regulations	9,731	-	9,731	-	219,400	236	219,636
Total ECR Capital Expenditures	34,242	150	34,392		276,858	236	277,094
List of significant projects:							
Environmental EPA regulations:							4 405
Mill Creek 4 - SCR Upgrade	1,121		1,121		4,485		4,485
Brown 1 - Baghouse			-				-
Brown 2 - Baghouse			-				-
Brown 3 - Baghouse			-				-
Ghent 1 - Baghouse			-				-
Ghent 2 - Baghouse			-				-
Ghent 3 - Baghouse			÷				-
Ghent 4 - Baghouse			-				-
Mill Creek 1 - Baghouse	-	-	-		13,572	-	13,572
Mill Creek 2 - Baghouse	•	-	-		12,968	-	12,968
Mill Creek 3 - Baghouse	-	-	-			-	
Mill Creek 4 - Baghouse	4,028	-	4,028		49,935	-	49,935
Trimble 1 - Baghouse	-	-	-		-	-	
Mill Creek 1 - Combined 1&2 FGD	*	-	-		25,187	-	25,187
Mill Creek 2 - Combined 1&2 FGD	-	-	-		25,197	-	25,197
Mill Creek 3 - FGD (U4 update and tie in)	-	-	-		6,892	-	6,892
Mill Creek 4 - FGD	4,049	-	4,049		70,537	-	70,537
SAM Mitigation, SCR Turndown	•	-	-		7,831	-	7,831
Environmental Air Study	533		533				-
CCP Ruling Incremental Capex	•	-	-		2,796	236	3,032
Incremental BR Landfill							
Total Environmental EPA regulations	9,731	-	9,731		219,400	236	219,636
Brown Landfill (+ row 32)			-				-
Ghent Landfill			-				-
Cane Run Landfill	3,006		3,006		5,500		5,500
Trimble CCP	19,618		19,618		51,168		51,168
Landfills/Ponds			-				-
SCRs	-		-		-		-
FGDs							
1 000							

Account 107- CWIP

LGE Capex (no SCRs for 2011-2020)

107   108   Total   107   108	\$000s		2013			2014	
Environmental EPA regulations 441,967 - 441,967 428,277 536 428,812 Environmental EPA regulations 454,621 - 454,621 431,577 536 432,112 Elist of significant projects:  Environmental EPA regulations:  Mill Creek 4 - SCR Upgrade  Brown 1 - Baghouse  Brown 2 - Baghouse  Brown 3 - Baghouse  Brown 3 - Baghouse  Ghent 1 - Baghouse  Ghent 3 - Baghouse  Ghent 4 - Baghouse  Ghent 4 - Baghouse  Mill Creek 1 - SCR upgrade  Mill Creek 1 - Baghouse  Ghent 3 - Baghouse  Ghent 4 - Baghouse  Ghent 4 - Baghouse  Ghent 4 - Baghouse  Mill Creek 1 - Baghouse  Mill Creek 1 - Baghouse  Mill Creek 1 - Baghouse  Mill Creek 2 - Baghouse  Mill Creek 3 - Baghouse  Mill Creek 4 - Baghouse  Mill Creek 5 - Baghouse  Mill Creek 6 - Baghouse		107	108	Total	107	108	Total
Environmental EPA regulations 441,967 - 441,967 428,277 536 428,812 Environmental EPA regulations 454,621 - 454,621 431,577 536 432,112 Elist of significant projects:  Environmental EPA regulations:  Mill Creek 4 - SCR Upgrade  Brown 1 - Baghouse  Brown 2 - Baghouse  Brown 3 - Baghouse  Brown 3 - Baghouse  Ghent 1 - Baghouse  Ghent 3 - Baghouse  Ghent 4 - Baghouse  Ghent 4 - Baghouse  Mill Creek 1 - SCR upgrade  Mill Creek 1 - Baghouse  Ghent 3 - Baghouse  Ghent 4 - Baghouse  Ghent 4 - Baghouse  Ghent 4 - Baghouse  Mill Creek 1 - Baghouse  Mill Creek 1 - Baghouse  Mill Creek 1 - Baghouse  Mill Creek 2 - Baghouse  Mill Creek 3 - Baghouse  Mill Creek 4 - Baghouse  Mill Creek 5 - Baghouse  Mill Creek 6 - Baghouse					2 200		2 200
List of significant projects:	Environmental		-	•		-	
List of significant projects: Environmental EPA regulations:  Mill Creek 4 - SCR Upgrade Frown 1 - Baghouse Brown 2 - Baghouse Brown 3 - Baghouse Ghent 1 - Baghouse Ghent 1 - Baghouse Ghent 1 - Baghouse Ghent 3 - Baghouse Ghent 3 - Baghouse Ghent 4 - Baghouse Ghent 4 - Baghouse Ghent 4 - Baghouse Ghent 3 - Baghouse Ghent 4 - Baghouse Ghent 5 - Baghouse Ghent 5 - Baghouse Ghent 6 - Baghouse Ghent 7 - Baghouse Ghent 7 - Baghouse Ghent 8 - Baghouse Ghent 9 - Ghent	Environmental EPA regulations						
Environmental EPA regulations:	Total ECR Capital Expenditures	454,621	-	454,621	431,5//	536	432,112
Mill Creek 4 - SCR Upgrade	List of significant projects:						
Brown 1 - Baghouse         Brown 2 - Baghouse         Brown 3 - Baghouse           Brown 3 - Baghouse	Environmental EPA regulations:						
Brown 2 - Baghouse	Mill Creek 4 - SCR Upgrade	-			-		-
Brown 3 - Baghouse	Brown 1 - Baghouse			-			-
Chent 1 - Baghouse   Chent 2 - Baghouse   Chent 3 - Baghouse   Chent 3 - Baghouse   Chent 4	Brown 2 - Baghouse			-			-
Ghent 2 - Baghouse   Ghent 3 - Baghouse   Ghent 4 - Baghouse   Ghent 6 - Ghe	Brown 3 - Baghouse			-			-
Ghent 3 - Baghouse	Ghent 1 - Baghouse			-			-
Mill Creek 1 - Baghouse   42,343   - 42,343   44,037   - 44,037   Mill Creek 2 - Baghouse   40,944   - 40,944   43,588   - 43,588   - 43,688   Mill Creek 2 - Baghouse   39,815   - 39,815   49,062   - 49,062   Mill Creek 4 - Baghouse   54,678   - 54,678   34,362   419   34,781   Mill Creek 4 - Baghouse   54,678   - 54,678   34,362   419   34,781   Mill Creek 4 - Baghouse   54,678   - 54,678   34,362   419   34,781   Mill Creek 4 - Baghouse   52,389   - 52,389   54,485   - 54,485   Mill Creek 2 - Combined 1&2 FGD   52,341   - 52,411   54,507   - 54,507   - 54,507   Mill Creek 2 - Combined 1&2 FGD   32,257   - 32,257   29,820   - 29,820   Mill Creek 4 - FGD   87,593   - 87,593   44,293   116   44,409   Mill Creek 4 - FGD   87,593   - 87,593   44,293   116   44,409   Mill Creek 4 - FGD   87,593   - 87,593   44,293   116   44,409   Mill Creek 4 - FGD   87,593   - 87,593   44,293   116   44,409   Mill Creek 4 - FGD   87,593   - 87,593   44,293   116   44,409   Mill Creek 4 - FGD   87,593   - 87,593   44,293   116   44,409   Mill Creek 4 - FGD   87,593   - 87,593   44,293   116   44,409   Mill Creek 4 - FGD   - 15,284   Mill Creek 4 - FG	Ghent 2 - Baghouse			~			-
Mill Creek 1 - Baghouse       42,343       - 42,343       44,037       - 44,037         Mill Creek 2 - Baghouse       40,944       - 40,944       43,588       - 43,588         Mill Creek 3 - Baghouse       39,815       39,815       49,062       - 49,062         Mill Creek 4 - Baghouse       54,678       34,678       34,862       419       34,781         Mill Creek 1 - Baghouse       23,480       23,480       37,850       - 37,850         Mill Creek 1 - Combined 1&2 FGD       52,389       52,389       54,485       - 54,485         Mill Creek 2 - Combined 1&2 FGD       52,411       52,411       54,507       - 54,507         Mill Creek 3 - FGD (U4 update and tie in)       32,257       32,257       29,820       - 29,820         Mill Creek 4 - FGD       87,593       87,593       44,293       116       44,409         SAM Mitigation, SCR Turndown       15,486       20,990       - 20,990       20,990         Environmental Air Study       572       572       15,284       - 15,284         Incremental BR Landfill       - 572       572       15,284       - 15,284         Brown Landfill (+ row 32)       - 572       572       15,284       - 52,282         Ghent Landfill       1	Ghent 3 - Baghouse			-			*
Mill Creek 1 - Baghouse       40,944       40,944       43,588       -       43,588         Mill Creek 2 - Baghouse       39,815       39,815       49,062       -       49,062         Mill Creek 4 - Baghouse       54,678       54,678       34,362       419       34,781         Trimble 1 - Baghouse       23,480       -       23,480       37,850       -       37,850         Mill Creek 1 - Combined 1&2 FGD       52,389       -       52,389       54,485       -       54,485         Mill Creek 2 - Combined 1&2 FGD       52,411       -       52,411       54,507       -       54,507         Mill Creek 3 - FGD (U4 update and tie in)       32,257       32,257       29,820       -       29,820         Mill Creek 4 - FGD       87,593       87,593       44,293       116       44,409         SAM Mitigation, SCR Turndown       15,486       15,486       20,990       -       20,990         Environmental Air Study       -       -       -       -       -         CCP Ruling Incremental Capex       572       572       15,284       -       15,284         Incremental BR Landfill       -       -       -       -       -         Total Environm	Ghent 4 - Baghouse			-			-
Mill Creek 2 - Baghouse Mill Creek 3 - Baghouse Mill Creek 4 - Baghouse Mill Creek 4 - Baghouse S4,678 S2,389 Trimble 1 - Baghouse Mill Creek 1 - Combined 1&2 FGD S2,389 Mill Creek 2 - Combined 1&2 FGD S2,389 Mill Creek 2 - Combined 1&2 FGD S2,411 S2,411 S2,411 S4,507 S4,485 Mill Creek 3 - FGD (U4 update and tie in) S2,257 Mill Creek 3 - FGD (U4 update and tie in) S3,257 Mill Creek 3 - FGD (U4 update and tie in) S4,593 S4,485 S4,485 S4,485 Mill Creek 3 - FGD (U4 update and tie in) S5,486 Mill Creek 3 - FGD (U4 update and tie in) S5,486 Mill Creek 3 - FGD (U4 update and tie in) S6,486 Mill Creek 3 - FGD (U4 update and tie in) S6,486 Mill Creek 3 - FGD (U4 update and tie in) S6,486 Mill Creek 4 - FGD S6,485 Mill Creek 4 - FGD S7,593 S7,593 S7,593 S7,593 S7,593 S7,593 Mill Creek 4 - FGD S6,485 Mill Creek 2 - May 116 Mill Creek 1 - May 116 Mill Creek 1 - May 116 Mill Creek 2 - May 116 Mill Creek 2 - May 116 Mill Creek 3 - FGD (U4 update and tie in) Mill Creek 4 - FGD Mill Creek 2 - May 116 Mill Creek 4 - FGD Mill Creek 2 - May 116 Mill Creek 4 - FGD Mill Creek 4 - FGD Mill Creek 2 - May 116 Mill Creek 4 - FGD Mill Creek 4	Mill Creek 1 - Baghouse	·	-	•	•		
Mill Creek 3 - Baghouse       54,678       - 54,678       34,362       419       34,781         Mill Creek 4 - Baghouse       23,480       - 23,480       37,850       - 37,850         Mill Creek 1 - Combined 1&2 FGD       52,389       - 52,389       54,485       - 54,485         Mill Creek 2 - Combined 1&2 FGD       52,411       - 52,411       54,507       - 54,507         Mill Creek 3 - FGD (U4 update and tie in)       32,257       32,257       29,820       - 29,820         Mill Creek 4 - FGD       87,593       - 87,593       44,293       116       44,409         SAM Mitigation, SCR Turndown       15,486       - 15,486       20,990       - 20,990         Environmental Air Study       - 57       572       15,284       - 15,284         CCP Ruling Incremental Capex       572       572       15,284       - 15,284         Incremental BR Landfill       - 441,967       441,967       428,277       536       428,812         Brown Landfill (+ row 32)       - 441,967       - 441,967       428,277       536       428,812         Ghent Landfill       11,243       11,243	Mill Creek 2 - Baghouse	·	-	•	•		
Mill Creek 4 - Baghouse       23,480       - 23,480       37,850       - 37,850         Mill Creek 1 - Combined 1&2 FGD       52,389       - 52,389       54,485       - 54,485         Mill Creek 2 - Combined 1&2 FGD       52,411       - 52,411       54,507       - 54,507         Mill Creek 3 - FGD (U4 update and tie in)       32,257       - 32,257       29,820       - 29,820         Mill Creek 4 - FGD       87,593       - 87,593       44,293       116       44,409         SAM Mitigation, SCR Turndown       15,486       - 15,486       20,990       - 20,990         Environmental Air Study       - 572       - 572       15,284       - 15,284         Incremental BR Landfill       - 7       441,967       428,277       536       428,812         Brown Landfill (+ row 32)       - 7       441,967       441,967       428,277       536       428,812         Ghent Landfill       - 7       -	Mill Creek 3 - Baghouse	•	-	•	•		
Mill Creek 1 - Combined 1&2 FGD 52,389 52,389 54,485 - 54,485 Mill Creek 2 - Combined 1&2 FGD 52,411 - 52,411 54,507 - 54,507 Mill Creek 3 - FGD (U4 update and tie in) 32,257 - 32,257 29,820 - 29,820 Mill Creek 4 - FGD 87,593 - 87,593 44,293 116 44,409 SAM Mitigation, SCR Turndown 15,486 - 15,486 20,990 - 20,990 Environmental Air Study CCP Ruling Incremental Capex Incremental BR Landfill Total Environmental EPA regulations 441,967 - 441,967 428,277 536 428,812 Brown Landfill 1,408 11,243 11,243	Mill Creek 4 - Baghouse	•	-				
Mill Creek 1 - Combined 182 FGD  Mill Creek 2 - Combined 182 FGD  S2,411 - 52,411 54,507 - 54,507  Mill Creek 3 - FGD (U4 update and tie in)  32,257 - 32,257 29,820 - 29,820  Mill Creek 4 - FGD  SAM Mitigation, SCR Turndown  Environmental Air Study  CCP Ruling Incremental Capex  Incremental BR Landfill  Total Environmental EPA regulations  Brown Landfill (+ row 32)  Ghent Landfill  Cane Run Landfill  Total Environmental CPA  Landfills/Ponds  SCRS  Landfills/Ponds  SCRS	Trimble 1 - Baghouse		-	•			•
Mill Creek 3 - FGD (U4 update and tie in)  Mill Creek 3 - FGD (U4 update and tie in)  Mill Creek 3 - FGD (U4 update and tie in)  87,593 - 87,593 44,293 116 44,409  SAM Mitigation, SCR Turndown  Environmental Air Study  CCP Ruling Incremental Capex Incremental BR Landfill  Total Environmental EPA regulations  Brown Landfill (+ row 32)  Ghent Landfill  Cane Run Landfill  Trimble CCP  Landfills/Ponds  SCRs  SCRs	Mill Creek 1 - Combined 1&2 FGD		-		•		
Mill Creek 3 - RGD (04 update and tell iii)  Mill Creek 4 - FGD  SAM Mitigation, SCR Turndown  Environmental Air Study  CCP Ruling Incremental Capex Incremental BR Landfill  Total Environmental EPA regulations  Brown Landfill (+ row 32)  Ghent Landfill  Cane Run Landfill  Trimble CCP  Landfills/Ponds  SCRs  11,243	Mill Creek 2 - Combined 1&2 FGD	52,411	-		•		
SAM Mitigation, SCR Turndown  Environmental Air Study  CCP Ruling Incremental Capex Incremental BR Landfill  Total Environmental EPA regulations  Brown Landfill (+ row 32)  Ghent Landfill  Cane Run Landfill  Trimble CCP Landfills/Ponds  SCRs  15,486  15,486  15,486  15,486  20,990  - 20,990  - 15,284  - 15,284  - 15,284  - 15,284  - 15,284  - 15,284  - 2441,967  428,277  428,277  428,277  536  428,812  - 36  - 37  - 37  - 37  - 38  -	Mill Creek 3 - FGD (U4 update and tie in)	•	-	•	•		
Environmental Air Study  CCP Ruling Incremental Capex Incremental BR Landfill  Total Environmental EPA regulations  Brown Landfill (+ row 32)  Ghent Landfill  Cane Run Landfill  Trimble CCP  Landfills/Ponds  SCRs  13,08  11,243	Mill Creek 4 - FGD	87,593	-		,		
Environmental Air Study	SAM Mitigation, SCR Turndown	15,486	-	15,486	20,990	-	20,990
Total Environmental EPA regulations				-			-
Total Environmental EPA regulations         441,967         441,967         428,277         536         428,812           Brown Landfill (+ row 32)         -         -         -         -         -         -           Ghent Landfill         11,243         11,243         -         -         -         -           Cane Run Landfill         11,243         11,243         -	CCP Ruling Incremental Capex	572	-	572	15,284	-	15,284
Total Environmental EPA regulations         441,967         441,967         428,277         536         428,812           Brown Landfill (+ row 32)         -         -         -         -         -         -           Ghent Landfill         11,243         11,243         -         -         -         -           Cane Run Landfill         11,243         11,243         -	Incremental BR Landfill						
Second Landfill (+ row 32)		441,967	-	441,967	428,277	536	428,812
Ghent Landfill Cane Run Landfill 11,243 11,243	Brown Landfill (+ row 32)			-	•		-
Trimble CCP Landfills/Ponds SCRs				•	-		-
Landfills/Ponds	Cane Run Landfill	11,243		11,243	-		-
Landfills/Ponds				-	-		-
SCRs				-			-
	•			-	-		-
	FGDs						

Account 107- CWIP

LGE Capex (no SCRs for 2011-2020) \$000s

		2015		2		
	107	108	Total	107	108	Total
Environmental	2,700	_	2,700	100,622	150	100,772
Environmental EPA regulations	328,629	53,809	382,439	1,428,005	54,581	1,482,585
Total ECR Capital Expenditures	331,329	53,809	385,139	1,528,626	54,731	1,583,357
List of significant projects:						
Environmental EPA regulations:						
Mill Creek 4 - SCR Upgrade	-		-	5,606	-	5,606
Brown 1 - Baghouse			-	-	-	-
Brown 2 - Baghouse			-	-	-	*
Brown 3 - Baghouse			-	-	_	-
Ghent 1 - Baghouse			-	-	-	-
Ghent 2 - Baghouse			-	-	-	-
Ghent 3 - Baghouse			-	-	-	~
Ghent 4 - Baghouse			-	-	-	-
Mill Creek 1 - Baghouse	45,261	538	45,799	145,213	538	145,751
Mill Creek 2 - Baghouse	44,256	901	45,157	141,755	901	142,656
Mill Creek 3 - Baghouse	43,768	-	43,768	132,645	-	132,645
Mill Creek 4 - Baghouse	8,221	-	8,221	151,224	419	151,643
Trimble 1 - Baghouse	57,141	-	57,141	118,470	-	118,470
Mill Creek 1 - Combined 1&2 FGD	44,799	2,422	47,220	176,860	2,422	179,281
Mill Creek 2 - Combined 1&2 FGD	44,818	2,422	47,239	176,933	2,422	179,354
Mill Creek 3 - FGD (U4 update and tie in)	3,877	1,602	5,479	72,845	1,602	74,447
Mill Creek 4 - FGD	11,843	-	11,843	218,315	116	218,431
SAM Mitigation, SCR Turndown	7,607	~	7,607	51,914	-	51,914
Environmental Air Study			-	533	-	533
CCP Ruling Incremental Capex	17,040	45,926	62,966	35,693	46,161	81,854
Incremental BR Landfill			-	•	-	-
Total Environmental EPA regulations	328,629	53,809	382,439	1,428,005	54,581	1,482,585
Brown Landfill (+ row 32)			-	•	-	-
Ghent Landfill	-		_	-	-	_
Cane Run Landfill	_		-	19,750	-	19,750
Trimble CCP	-		-	70,786	-	70,786
Landfills/Ponds			-	· -	-	
SCRs	•		•	-	-	-
FGDs				-	-	

Account 107- CWIP