Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 21

Responding Witness: David S. Sinclair

- Q.1-21. Did the Companies make any adjustments to the sales forecasts developed pursuant to the "Electric Sales & Demand Forecast Process" to account for additional energy conservation? If so, please identify the gWh adjustment to each rate class sales forecast for the test year in this case. Also include an explanation of the source of the energy conservation adjustment (i.e., energy efficiency program or other assumption).
- A.1-21. No. All energy efficiency effects are accounted for directly in the load forecast process or via the Companies' DSM program impacts.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 22

Responding Witness: Robert M. Conroy

- Q.1-22. Please provide a copy of the 2018 Integrated Resource Plan when it is available.
- A.1-22. The case number for the 2018 Integrated Resource Plan is 2018-00348 and can be found at:

https://psc.ky.gov/PSC_WebNet/ViewCaseFilings.aspx?Case=2018-00348

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 23

Responding Witness: David S. Sinclair

Q.1-23. With regard to the Rate FLS, please identify, by month for the last 3 years, each curtailment pursuant to the following provision of the FLS tariff.

SYSTEM CONTINGENCIES AND INDUSTRY SYSTEM PERFORMANCE CRITERIA

Company reserves the right to interrupt up to 95% of Customer's load to facilitate Company compliance with system contingencies and with industry performance criteria. Customer will permit Company to install electronic equipment and associated real-time metering to permit Company interruption of Customer's load. Such equipment will immediately notify Customer five (5) minutes before an electronically initiated interruption that will begin immediately thereafter and last no longer than ten (10) minutes nor shall the interruptions exceed twenty (20) per month. Such interruptions will not be accumulated nor credited against annual hours, if any, under either Rider CSR-1 or CSR-2. Company's right to interrupt under this provision is restricted to responses to unplanned outage or de-rates of LG&E and KU Energy LLC System (LKE System) owned or purchased generation or when Automatic Reserve Sharing is invoked. LKE System, as used herein, shall consist of KU and LG&E. At Customer's request, Company shall provide documentation of the need for interruption under this provision within sixty (60) days of the end of the applicable billing period.

For each such curtailment, provide the following information:

- a. The length of the interruption, and the date and hour of the interruption.
- b. The MW amount of load interrupted.
- b. The specific reason (e.g., unplanned outage or de-rate of LG&E and KU owned generation or when Automatic Reserve Sharing is invoked) for the curtailment.
- c. The specific actions taken by LKE during the 10-minute interruption to respond to the unplanned outage or de-rate, once the 10-minute maximum

interruption period is completed (for example, start-up a quick start unit, rely on spinning reserve capacity, etc.).

A.1-23. a.-c. See attachment for details of events during the period November 1, 2015 thru November 14, 2018 where curtailment occurred under the FLS tariff.

Attachment to Response to KIUC-1 Question No. 23 Page 1 of 3 Sinclair

				Response		
Date	Est. Time (EST)	Event	Spinning Reserves	Fast Start CT	Automatic Reserve Sharing	FLS load before curtailment (MW)
11/08/2015	19:19	Unplanned Outage	Yes	Yes	No	122
11/09/2015	09:33	Unplanned Outage	Yes	Yes	No	0
11/13/2015	03:55	Unplanned Outage	Yes	Yes	No	54
11/13/2015	22:24	Unplanned Outage	Yes	Yes	No	0
11/16/2015	09:43	Unplanned Outage	Yes	Yes	No	80
11/16/2015	21:23	Unplanned Outage	Yes	Yes	Yes	51
11/17/2015	07:13	Unplanned Outage	Yes	Yes	No	63
11/17/2015	21:00	Unplanned Outage	Yes	No	No	157
11/30/2015	2:38	Unplanned Outage	Yes	No	Yes	0
12/03/2015	21:58	Unplanned Outage	Yes	No	No	115
12/18/2015	09:28	Unplanned Outage	Yes	No	No	74
01/05/2016	06:03	Unplanned Outage	Yes	No	No	83
01/10/2016	11:54	Unplanned Outage	Yes	Yes	No	83
01/11/2016	13:47	Unplanned Outage	Yes	No	No	158
01/13/2016	21:19	Unplanned Outage	Yes	Yes	No	0
01/14/2016	18:12	Unplanned Outage	Yes	No	No	77
01/20/2016	09:15	Unplanned Outage	Yes	Yes	No	81
02/01/2016	08:22	Unplanned Outage	Yes	No	No	106
02/02/2016	13:01	Unplanned Outage	Yes	Yes	No	73
02/02/2016	16:51	Unplanned Outage	Yes	Yes	No	57
02/27/2016	21:44	Unplanned Outage	Yes	No	No	0
03/14/2016	06:18	Unplanned Outage	Yes	Yes	No	64
03/15/2016	18:13	Unplanned Outage	Yes	Yes	No	0
03/18/2016	06:03	Unplanned Derate	Yes	Yes	No	81
03/24/2016	08:06	Unplanned Outage	Yes	Yes	No	76
04/02/2016	08:08	Unplanned Outage	Yes	No	No	147
04/06/2016	20:27	Unplanned Outage	Yes	Yes	No	64
05/17/2016	19:46	Unplanned Outage	Yes	Yes	No	185
06/06/2016	11:31	Unplanned Outage	Yes	Yes	No	56
06/25/2016	15:01	Unplanned Outage	Yes	Yes	No	0
06/26/2016	15:52	Unplanned Outage	Yes	Yes	Yes	115
07/15/2016	02:41	Unplanned Outage	Yes	No	No	65
07/18/2016	12:33	Unplanned Outage	Yes	Yes	Yes	56
07/31/2016	7:44	Unplanned Outage	Yes	No	Yes	129
08/04/2016	12:18	Unplanned Outage	Yes	Yes	No	124
09/11/2016	01:33	Unplanned Outage	Yes	Yes	No	59
09/16/2016	18:37	Unplanned Outage	Yes	No	No	53
09/27/2016	6:47	Unplanned Outage	Yes	No	Yes	0
10/05/2016	00:06	Unplanned Outage	Yes	No	No	124
10/28/2016	06:26	Unplanned Outage	Yes	No	No	61
10/30/2016	08:46	Unplanned Outage	Yes	Yes	No	0
11/01/2016	06:56	Unplanned Outage	Yes	No	No	72
11/03/2016	04:43	Unplanned Outage	Yes	Yes	No	147
11/03/2016	17:17	Unplanned Outage	Yes	No	No	141
11/14/2016	08:48	Unplanned Outage	Yes	Yes	No	57
12/08/2016	23:50	Unplanned Outage	Yes	No	No	0

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				Response		
Date	Est. Time (EST)	Event	Spinning Reserves	Fast Start CT	Automatic Reserve Sharing	FLS load before curtailment (MW)
12/18/2016	18:38	Unplanned Outage	Yes	No	No	67
01/05/2017	10:47	Unplanned Outage	Yes	Yes	No	126
01/26/2017	19:00	Unplanned Outage	Yes	Yes	No	59
02/08/2017	21:58	Unplanned Outage	Yes	No	No	57
02/14/2017	02:17	Unplanned Outage	Yes	No	No	56
02/14/2017	14:41	Unplanned Outage	Yes	No	No	0
02/21/2017	21:32	Unplanned Outage	Yes	No	Yes	142
02/25/2017	18:02	Unplanned Outage	Yes	Yes	No	0
02/26/2017	22:51	Unplanned Outage	Yes	Yes	No	134
03/08/2017	08:23	Unplanned Outage	Yes	No	No	134
03/20/2017	16:27	Unplanned Outage	Yes	No	No	44
03/24/2017	10:45	Unplanned Outage	Yes	Yes	No	108
03/24/2017	11:36	Unplanned Outage	Yes	Yes	No	66
03/30/2017	14:49	Unplanned Outage	Yes	No	No	61
04/07/2017	00:53	Unplanned Outage	Yes	No	No	81
04/29/2017	07:44	Unplanned Outage	Yes	No	No	121
05/08/2017	01:47	Unplanned Outage	Yes	No	No	85
05/19/2017	02:16	Unplanned Outage	Yes	No	No	51
05/25/2017	06:02	Unplanned Outage	Yes	No	No	125
05/31/2017	13:51	Unplanned Outage	Yes	Yes	Yes	67
06/04/2017	15:48	Unplanned Outage	Yes	Yes	No	138
06/08/2017	09:09	Unplanned Outage	Yes	No	No	58
06/13/2017	20:46	Unplanned Outage	Yes	No	No	0
06/25/2017	07:02	Unplanned Outage	Yes	No	No	65
07/20/2017	14:53	Unplanned Outage	Yes	No	No	13
09/02/2017	00:25	Unplanned Outage	Yes	No	No	142
09/20/2017	14:12	Unplanned Outage	Yes	No	No	158
11/18/2017	17:13	Unplanned Outage	Yes	No	No	137
11/25/2017	02:34	Unplanned Outage	Yes	No	No	55
11/28/2017	18:02	Unplanned Outage	Yes	Yes	No	81
12/01/2017	09:40	Unplanned Outage	Yes	Yes	No	0
01/31/2018	22:04	Unplanned Outage	Yes	No	No	112
02/07/2018	18:04	Unplanned Outage	Yes	No	No	0
02/19/2018	10:24	Unplanned Outage	Yes	No	No	12
02/24/2018	11:54	Unplanned Outage	Yes	No	No	123
02/24/2018	16:55	Unplanned Outage	Yes	Yes	No	120
02/25/2018	06:55	Unplanned Outage	Yes	Yes	No	69
03/07/2018	03:06	Unplanned Outage	Yes	Yes	No	0
03/12/2018	01:46	Unplanned Outage	Yes	Yes	No	61
03/28/2018	13:41	Unplanned Outage	Yes	Yes	No	0
03/28/2018	14:42	Unplanned Outage	Yes	Yes	No	164
04/12/2018	17:17	Unplanned Outage	Yes	No	No	146
04/29/2018	07:20	Unplanned Outage	Yes	Yes	No	58
05/01/2018	18:32	Unplanned Outage	Yes	No	No	130
05/13/2018	12:19	Unplanned Outage	Yes	Yes	No	124
05/14/2018	19:08	Unplanned Outage	Yes	Yes	No	56
05/15/2018	00:12	Unplanned Outage	Yes	No	No	71
05/20/2018	13:35	Unplanned Outage	Yes	No	No	94

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Sinclair

				Response		
Date	Est. Time (EST)	Event	Spinning Reserves	Fast Start CT	Automatic Reserve Sharing	FLS load before curtailment (MW)
05/23/2018	16:58	Unplanned Outage	Yes	Yes	No	40
05/29/2018	20:10	Unplanned Outage	Yes	No	No	0
06/07/2018	15:11	Unplanned Outage	Yes	Yes	No	0
06/13/2018	12:38	Unplanned Outage	Yes	No	No	195
06/14/2018	00:50	Unplanned Outage	Yes	No	No	147
06/17/2018	23:21	Unplanned Outage	Yes	No	No	84
06/18/2018	13:01	Unplanned Outage	Yes	Yes	No	139
06/29/2018	14:19	Unplanned Outage	Yes	Yes	No	14
08/21/2018	12:15	Unplanned Outage	Yes	No	No	62
08/25/2018	21:26	Unplanned Derate	Yes	No	No	106
09/08/2018	22:11	Unplanned Outage	Yes	No	No	58
09/18/2018	12:10	Unplanned Outage	Yes	Yes	No	55
09/30/2018	23:52	Unplanned Outage	Yes	No	No	0
10/02/2018	19:11	Unplanned Outage	Yes	No	Yes	118
10/03/2018	11:35	Unplanned Outage	Yes	No	No	52
10/03/2018	12:12	Unplanned Outage	Yes	No	Yes	62
10/05/2018	11:25	Unplanned Outage	Yes	Yes	Yes	84
10/07/2018	17:31	Unplanned Outage	Yes	No	No	148
11/01/2018	0:45	Unplanned Outage	Yes	No	Yes	77
11/01/2018	23:23	Unplanned Outage	Yes	Yes	No	0

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 24

Responding Witness: David S. Sinclair

- Q.1-24. With regard to the FLS "SYSTEM CONTINGENCIES AND INDUSTRY SYSTEM PERFORMANCE CRITERIA," please provide the following:
 - a. a detailed explanation of Automatic Reserve Sharing, including LKE's obligations under that provision.
 - b. identification of each instance during the past 3 years in which Automatic Reserve Sharing was invoked, including the name of the party invoking this provision.
 - c. LKE's obligations under the Automatic Reserve Sharing provision
 - d. identification of each instance during the past 3 years in which LKE relied on Automatic Reserve Sharing, and a description of the reason(s) for LKE's need for Automatic Reserve Sharing.

A.1-24.

a. LG&E/KU and TVA constitute an Automatic Reserve Sharing ("ARS") group that collectively maintains, allocates, and supplies operating reserves required for each member's use in recovering from contingencies within the required 15 minute period. More details are contained in the SERC Regional Criteria-Contingency Reserve Policy, located at the following http://serc1.org/docs/default-source/program-areas/standards-regionalcriteria/regional-criteria-and-guidelines/archive/contingency-reserve-policy-(serc-regional-criteria).pdf?sfvrsn=432d34ff_2 beginning on page 8. TCRSG Deliverability Certificate is located on the Companies' Transmission OATI **OASIS** website (under Miscellaneous): http://www.oatioasis.com/LGEE/index.html. The current LG&E/KU contingency reserve allocation is equal to the TRM deliverability value contained in this document.

b. The table below details events during the period November 1, 2015 thru November 14, 2018 where LG&E/KU received ARS assistance. TVA did not call on ARS during this time period.

	Party	to damig un	1	ARS	
	initiating	Event Start	Event End	assistance	
Date	ARS	Time (EST)	Time (EST)	(MW)	Event
11/16/2015	LGEKU	21:23	22:00	356	Unplanned outage
11/30/2015	LGEKU	2:38	3:30	565	Unplanned outage
6/26/2016	LGEKU	15:52	16:30	555	Unplanned outage
7/18/2016	LGEKU	12:33	13:30	536	Unplanned outage
7/31/2016	LGEKU	7:44	8:30	355	Unplanned outage
9/27/2016	LGEKU	6:47	7:30	505	Unplanned outage
2/21/2017	LGEKU	21:32	22:30	559	Unplanned outage
5/31/2017	LGEKU	13:51	14:30	540	Unplanned outage
7/13/2017	LGEKU	11:15	12:00	400	Unplanned outage
10/3/2018	LGEKU	12:12	13:00	149	Unplanned outage
10/5/2018	LGEKU	11:25	12:00	400	Unplanned outage
11/1/2018	LGEKU	0:45	1:30	449	Unplanned outage

- c. See the response to part a.
- d. See the response to part b.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 25

Responding Witness: David S. Sinclair

- Q.1-25. With regard to the FLS "SYSTEM CONTINGENCIES AND INDUSTRY SYSTEM PERFORMANCE CRITERIA," provision, please explain how the Companies would respond to unplanned outage or de-rates of LG&E and KU Energy LLC System (LKE System) owned or purchased generation or when Automatic Reserve Sharing is invoked if this curtailment provision was not in the FLS tariff.
- A.1-25. LG&E/KU currently responds to generation contingencies, such as unplanned outages or derates, in the first 15 minutes by 1) deploying spinning reserves, 2) if needed, calling on the FLS curtailment provision to remove the uncertainty of fluctuating load during an ensuing 10 minute period, 3) if needed, deploying quick start combustion turbines, and 4) if needed, invoking ARS.

Without the FLS curtailment provision, LG&E/KU would perform the same steps, excluding step 2. The fluctuation of FLS load could potentially increase the amount of time required to restore the balance of generation and load to its pre-contingency state within the allowed 15 minute window.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 26

Responding Witness: Daniel K. Arbough

Q.1-26. Refer to the tables depicted on page 6 of Mr. Blake's Direct Testimony. Please provide the same information for the calendar years ended 2014, 2015, 2016, 2017, 2018 actual to date, 2018 projected, 2019 projected, and the first four projected months of 2020.

A.1-26.

KU- Total Capital								
\$ millions	2014	2015	2016	2017	2018 Actuals to Date	2018 Projected	2019 Projected	2020 Projected (Jan-Apr)
Generation	\$456	\$290	\$148	\$231	\$234	\$334	\$289	\$84
Electric Transmission	40	53	69	110	95	113	132	56
Electric Distribution	78	95	94	108	102	127	145	44
Gas Operations								
Customer Service	8	10	7	15	14	20	16	3
Other	19	20	31	23	17	26	28	11
Total	\$601	\$469	\$349	\$487	\$462	\$620	\$610	\$198
KU- Non Mech								
\$ millions	2014	2015	2016	2017	2018 Actuals to Date	2018 Projected	2019 Projected	2020 Projected (Jan-Apr)
Generation	\$129	\$82	\$69	\$93	\$69	\$113	\$161	\$65
Electric Transmission	40	53	69	110	95	113	132	56
Electric Distribution	78	95	94	108	102	127	145	44
Gas Operations								
Customer Service	6	7	5	14	14	20	15	3
Other	19	20	31	23	17	26	28	11
Total	\$272	\$258	\$269	\$348	\$297	\$400	\$482	\$179

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 27

Responding Witness: Daniel K. Arbough

- Q.1-27. For each of the generating units, please provide copies of the 2018, 2019, and 2020 capital budgets and provide a description of the capital projects budgeted for each separated by amounts to be recovered through the ECR, or other non-base rate mechanisms, and through base rates.
- A.1-27. See attached.

Kentucky Utilities Company Case No. 2018-00294

Kentucky Utilities Capital Budgets 2018-2020

Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	2017 PE VEHICLES KU	155967	\$5,138		
Base	BR 0-1 Gyp Dewat Vac Pump Rbld	147993		\$103,824	
Base	BR 0-1 SFC Overhaul	155102			\$591,294
Base	BR 0-2 Gyp Dewat Vac Pump Rbld	155100	\$101,962		
Base	BR 0-2 SFC Overhaul	155103			\$591,294
Base	BR 1A Feedwater Heater Repl	147928			
Base	BR 3-1 Contr Air Compress Ovhl	155085		\$63,670	
Base	BR Abs to FGD Exp Joints Repl	157462		\$256,121	
Base	BR Alarm Shelving Utility	157442	\$33,000		
Base	BR All Terrain Forklift	147894			\$138,818
Base	BR Annhydrous Ammonia Fog Sys	157379			\$260,234
Base	BR CCRT LP Bot Ash Pump Rbld	148002			\$124,575
Base	BR CombineStack Dilution Probe	156710	\$38,106		
Base	BR Crusher House Vac System	144456		\$179,053	
Base	BR CY "J" Conv Gear Box	155841	\$9,694		
Base	BR CY PLC Upgrade	144933	\$158,115		
Base	BR DCS PAV Server	155853	\$177		
Base	BR Engineering Dept Kubota	157756	\$20,449		
Base	BR Fall Protect-SelfClose Gate	155081			
Base	BR FGD 0-2 Recycle Pump Rebld	156122	\$106,408		
Base	BR FGD 0-3 Recycle Pump Rebld	156123	\$138,884		
Base	BR FGD 0-4 Recycle Pump Rebld	156124	\$108,535		
Base	BR FGD Absorb Hydro-Cyc Hoist	156128	\$11,416		
Base	BR FGD Agitator Blade Repl	151997			\$464,786

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	BR FGD Heater Repl	155056	\$163,000		
Base	BR FGD Recycle Pump Rbld	135116			\$432,618
Base	BR FGD Umbilical Repl	155091		\$33,819	
Base	BR Fire Pump Recirc Piping	155256	\$29,281		
Base	BR Gyp Dewatering Belt Repl	147992			\$43,118
Base	BR HP Heater Head Lift Device	156016	\$2,992		
Base	BR Landfill Capping (LTP)	157259		\$143,894	\$98,561
Base	BR Landfill Capping '18-'19	157543			
Base	BR LF ALL PHASE EVALUATION	155546	(\$63,686)		
Base	BR Limestone Slurry Pump Repl	157463			\$43,115
Base	BR Miscellaneous Cap	BRMISCCAP	\$115,874	\$500,000	\$500,000
Base	BR Regravel Main Ash Pond Dam	157375		\$74,316	
Base	BR Rolling Doors Repl - Storm	158253			
Base	BR Skid Loader	147896			\$90,288
Base	BR Slurry Feed Pump Repl	156017	\$4,860		
Base	BR Stack Flow Analyzer Repl	155087		\$67,270	
Base	BR Stack HG Analyzer Repl	155089		\$222,811	
Base	BR Stack PM Analyzer Repl	155088		\$139,529	
Base	BR Stack Umbilical Repl	155090		\$48,666	
Base	BR SW Lines Coating	137190		\$2,173,979	
Base	BR Sys 1 Serv Comp Upgr	155053	\$43,758		
Base	BR System 1 Point Expansion	155083		\$73,924	
Base	BR Tool Room Access Ctrls	157815	\$14,906		
Base	BR Tractor Shed Hoist Repl	155169			
Base	BR Vehicle Replacement	144426		\$36,755	
Base	BR Welding Equipment 2018	156484	\$44,767		
Base	BR1 Aux Trans Bush Repl	155055	\$71,398		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	BR1 Main Trans-DGA Monitor Sys	154282	(\$490)		
Base	BR1 Main Xfmr Bushing Repl	147904	\$182,551		
Base	BR1 Stack Cap	157374		\$69,338	
Base	BR2 Cooling Tower Demolition	157743		\$324,009	
Base	BR2 Hydrogen Coolers Retube	147903	\$38,318		
Base	BR2/3 Bypass Stack Cap	157377		\$147,241	
Base	BR2-1 BFP Overhaul	153446			
Base	BR3 3-1/3-5 Pulv Sep Manways	131242	\$33,072		
Base	BR3 AB Heater Repl	157942		\$180,330	\$659,947
Base	BR3 Auxiliary Boiler	157306		\$299,408	
Base	BR3 BCWP Overhauls	152981		\$90,087	\$90,718
Base	BR3 BFPT Electronic Ovspd Cntr	148006		\$82,751	
Base	BR3 BMS Repl-Upgrade	133964		\$1,403,985	
Base	BR3 Coal Fdr Transition Chutes	135113		\$168,622	
Base	BR3 Coal Feeder Motor Repl	157253		\$96,328	
Base	BR3 Conden CW Exp Joints Repl	155060	\$211,480		
Base	BR3 Conveyor Room LED Lighting	156711	\$30,000		
Base	BR3 Cool Twr Vibration Monitor	156095	\$91		
Base	BR3 Cool Water Head Refr	155059	\$3,013		
Base	BR3 Cooling Tower Repairs 2018	158249			
Base	BR3 CW Sep Media Repl	155048	\$196,599		
Base	BR3 Deluge Header Repl	158194			
Base	BR3 Duct Flow Analyzer Repl	155092		\$66,345	
Base	BR3 Duct Umbilical Repl	155093		\$48,481	
Base	BR3 Eng Work Station (AW) Upgr	155070	\$248,000	\$386,875	
Base	BR3 F-2 Feedwater Heater Repl	149122			
Base	'BR3 Field Ground Detector	137165		\$95,291	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	BR3 Fire Header Replacement	145783	\$408,000		
Base	BR3 Generator Rotor Rewind	157251		\$1,749,647	
Base	BR3 Heat Stm & Att Vlv Repl	155057	\$53,382		
Base	BR3 HP Inlet Bell Seals	144727		\$345,301	
Base	BR3 HP Inner Casing Bolting	144728		\$415,794	
Base	BR3 HP-IP Blading	144722		\$3,432,758	
Base	BR3 HP-IP Seals	144725		\$316,603	
Base	BR3 HVAC Chiller Controls	157444	\$12,000		
Base	BR3 Hyd Gas Dryer Refurb	147918		\$64,720	
Base	BR3 IDF Exp Joints Repl	157373		\$22,215	
Base	BR3 IDF to FGD Exp Joints Rpl	157402		\$123,998	
Base	BR3 Ignitor Upgrade	155094		\$537,939	
Base	BR3 Oper WorkStation (WP) Upgr	155082		\$354,286	
Base	BR3 Pulv Dynmc Classifier Repl	147930		\$189,159	
Base	BR3 Pulv Exh Manway Mods 18	126073	\$21,267		
Base	BR3 Pulv Sep Manways (3) 12	126072			\$73,916
Base	BR3 RRH Inlet Header Abatement	156501	\$279,560		
Base	BR3 SCR Doors - Middle	157404		\$139,821	
Base	BR3 SCR Inlet Duct Exp Joints	156979	\$78,939		
Base	BR3 SCR Sound Generators Repl	156709	\$78,178		
Base	BR3 Steam Seperator Repl	151998		\$454,297	
Base	BR3 Turb Rm Crane Cntrl Upgr	147900		\$265,190	
Base	BR3-1 Air Preheating Coil Pump	156616	\$39,388		
Base	BR3-1 BFPT Blading	144717		\$772,880	
Base	BR3-1 Condensate Pump Overhaul	153458		\$98,493	
Base	BR3-1 HWRS Pump Overhaul	153465			\$211,134
Base	BR3-1 ID Fan Motor Rewind	157250	\$883,052		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	BR3-1 Mech Exhauster Ovhl	158059	\$18,019		
Base	BR3-2 ID Fan Motor Rewind	157252		\$954,334	
Base	BR3-2 Station AirCompress Ovhl	155086		\$42,430	
Base	BR3-2 SW Pump Mech Seal Repl	156452	\$13,627		
Base	BR3-3 BCWP Overhaul	157544	\$130,422		
Base	BR3-3 Pulv Gearbox Rebld	156457	\$243,050		
Base	BR3-3 SB Air Compressor	157254			\$209,434
Base	BR3-3/4 Spare Compressor Motor	158157	\$141,598		
Base	BR3-5 Pulverizer Gearbox Ovhl	135117		\$701,262	
Base	BRCT 11N2 AJO Pump Motor Rbld	158013	\$25,000		
Base	BRCT 6&7 Auto Gas Shutoff	151959	\$10,208		
Base	BRCT 6&7 SFC Controls Upgr	157261			\$495,092
Base	BRCT Demin Plant	157260		\$2,992,878	
Base	BRCT Gas Compressor Ovhl	157267			\$59,916
Base	BRCT Gas Pipeline Relocation	144541	\$4,598,998	\$15,948,000	
Base	BRCT Gas PL Land Purchase	156706	\$60,323		
Base	BRCT Pipe Heat Trace Insul Rpl	156476	\$44,343		
Base	BRCT TN Gas PL Overpres Prot	156176	\$184,234		
Base	BRCT10 Inlet Coils Repl	155927	\$20,542		
Base	BRCT11 C Insp & Parts Recond	147949	\$6,230,251		
Base	BRCT11 CO2 Discharge Valve Rpl	157596	\$10,392		
Base	BRCT11 Cooling Water Pump Upgr	155148	\$43,425		
Base	BRCT11 LCI Repl 2018	156470	\$160,138		
Base	BRCT5 C Insp & Parts Recond	147942	(\$7,040)		
Base	BRCT5 Encl Vent Ctrls Upgr	155146	\$22,090		
Base	BRCT5 Gen Protect Relay Upgr	155109	\$78,197		
Base	BRCT5 Inlet Coils Repl KU	155923	\$103,400		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	BRCT5 Spare NOx Pump	156544	\$30,632		
Base	BRCT6 AVR Upgrade	157263			\$123,720
Base	BRCT6 C Inspection	123906		\$12,984,532	
Base	BRCT6 Gen Protect Relay Upgr	155110		\$49,386	
Base	BRCT6 GT Thermal Insulation	155149	\$93,000	\$381,568	
Base	BRCT6 Quench Cooler Nozzles	155155	\$137,056		
Base	BRCT6&7 Spare Gas Anlyzr - KU	155544	\$27,052		
Base	BRCT7 AVR Upgrade	157265			\$123,720
Base	BRCT7 Gen Protect Relay Upgr	155144			\$48,253
Base	BRCT7 Quench Cooler Nozzles	155158			\$85,933
Base	BRCT8 C Insp & Parts Recond	147950			\$1,897,420
Base	BRCT8 Cooling Water Pump Upgr	155147			\$48,933
Base	BRCT9 Vane R2 Replacement	157757	\$292,526		
Base	BRFGD HydroCyc Return Line	156453	\$119,271		
Base	BRFGD Mist Eliminator Repl	144436	\$663,788		
Base	CCCW Motor Rewind KU	156108 KU	(\$25,728)		
Base	CR Misc Capital KU (multi)	144531 KU	\$160,438	\$411,450	\$412,404
Base	CR7 8" Gas Valves KU	158001 KU	\$39,000		
Base	CR7 Annual Outage KU (2018)	152057 KU			
Base	CR7 Annual Outage KU (2020)	148104 KU			\$805,191
Base	CR7 BFP Instruments KU	157995 KU	\$78,000		
Base	CR7 Bypass Valve Upgrade KU	154322 KU	\$8,885		
Base	CR7 CCI Valve Outage Work KU	155821 KU	\$2,970		
Base	CR7 CO Analyzer KU	158007 KU	\$27,300		
Base	CR7 Contractor Parking KU	154537 KU	\$1,104		
Base	CR7 CT 1&2 Insulation KU	152772 KU		\$294,222	\$1,176,886
Base	CR7 DCS Controls Plat KU	148115 KU	\$471,099		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	CR7 EQ OVERHAUL KU	154833 KU	\$159,510	\$418,219	\$722,799
Base	CR7 HRH2 Blending Valve KU	157322 KU	\$182,520		
Base	CR7 HVAC Controls Upgrade KU	157131 KU		\$72,782	
Base	CR7 Hytorc Wrenches KU	158003 KU	\$19,500		
Base	CR7 NGCC CI KU (2017)	148092 KU			
Base	CR7 NGCC HGP KU (2020)	144542 KU			\$17,706,597
Base	CR7 NGCC Inventory KU	143640 KU	(\$131,679)		
Base	CR7 NGCC STG KU (2019)	148096 KU			\$1,082,719
Base	CR7 Ovation Serial Card Conv K	157143 KU			\$27,057
Base	CR7 Raw Water Intake KU	151949 KU			
Base	CR7 Spare CCCW Pump KU	156183 KU	\$53,772		
Base	CR7 Station Support Bldg KU	152050 KU	\$141,355		
Base	CR7 STB CRANE VFD KU	158005 KU	\$15,600		
Base	CR7 Sump Pumps KU	157997 KU	\$70,200		
Base	CR7 T3K Hardware Refresh KU	152055 KU		\$238,098	\$356,375
Base	CR7 UV LIGHTING KU	154831 KU		\$154,779	
Base	DX Access Bridge Refurb	151917	\$205,172		
Base	DX Ceiling Drywall & Coating	158154	\$450,000		
Base	DX Crest Gate Walkway Repl	157389		\$99,946	
Base	DX Dam Parapet Wall	146434	\$1,199		\$99,774
Base	EFFLUENT WATER STUDY-GH	133641		\$242,000	(\$278,380)
Base	EFFLUENT WATER STUDY-TC KU	133683	\$295,122	\$87,120	(\$1,702,927)
Base	GH #1 Ammonia Farm Air Comp	154846		\$76,657	
Base	GH #2 Ammonia Farm Air Comp	154847		\$76,657	
Base	GH 1&2 Bromine Bldg Roof Repl	158164	\$34,482		
Base	GH 1&2 Womens Restroom Install	3GH	\$61,168		
Base	GH 1/2 Bromination Upgrade	4GH	\$431,168		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH 10K Silo Dust Collector	156571		\$790,992	
Base	GH 1-1 BFPT Bucket Replacement	155294	\$305,762		
Base	GH 1-1 Coal Mill Mtr Cble Repl	154863	\$23,122		
Base	GH 1-1 Well Wtr Pump Rebuild19	7GH		\$20,383	
Base	GH 1-2 BCWP Major Overhaul 18	158163	\$64,000		
Base	GH 1-2 BFPT Bucket Replacement	155295	\$301,180		
Base	GH 1-2 CWP Major Overhaul 18	10 G H	\$184,276		
Base	GH 1-2 LPSW Pump Mjr Overhaul	152825	\$7,943		
Base	GH 1-2 LPSW Strainer Repl 18	158162	\$350,000		
Base	GH 1-2 Pulv Gearbox	144424	\$2,906		
Base	GH 1-2 SBAC Major Overhaul	152817		\$359,084	
Base	GH 1-2 Transport Blower Repl19	155025		\$51,334	
Base	GH 1-3 BCWP Major Ovrhl 20	155174			\$60,576
Base	GH 1-3 SBAC Major Overhaul18	152814	\$322,918		
Base	GH 1-3 Trav Wtr Screen Repl	154699	\$9,221		
Base	GH 1-4 BCWP Major Ovrhl 20	152800			\$60,576
Base	GH 1A Conveyor Repl 17	155998	\$2,983		
Base	GH 1K Conveyor Repl 18	156673	\$13,203		
Base	GH 2&3 Stack Elevator	154940		\$307,338	
Base	GH 2/3 CEM Shelter HVAC Repl	15GH	(\$262)		
Base	GH 2/3 Stack CEM Umbilical Rpl	151419		\$41,474	
Base	GH 2-1 BCWP DschrgCheckVlv Rpl	18GH	\$119,224		
Base	GH 2-1 BFP Major Ovrhl 19	152770		\$258,902	
Base	GH 2-1 CWP Overhaul 17	155548	\$8,798		
Base	GH 2-1 FGD Header Repl	151393	\$1,846		
Base	GH 2-1 Well Wtr Pump Rebuild20	20GH			\$20,176
Base	GH 2-2 BCWP Major Ovrhl 20	152802			\$60,576

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH 2-2 PA Fan Var Inlet Vane	154104			
Base	GH 2-3 Oxidation Air Motor	158024	\$44,850		
Base	GH 2-4 BCWP Major Ovrhl 19	152809		\$61,220	
Base	GH 2-4 BCWP Replacement	156416	\$53,329		
Base	GH 25kV A&B Bus Brker Comp Rpl	23GH	\$71,255		
Base	GH 2J Conveyor Belt Repl 17	155820	\$21,830		
Base	GH 3&4 Bromine Bldg Roof Repl	158165	\$41,942		
Base	GH 3&4 Coal ConvyrRm Light Upg	156199	\$3,842		
Base	GH 3&4 Elec Equip Rm Light Upg	156133	(\$485)		
Base	GH 3&4 J Conveyor LED Lighting	154920		\$74,644	
Base	GH 3&4 M Convyr LED Light Upgd	156595		\$15,815	
Base	GH 3&4 Spare Ash Sluice Pmp 17	156007	\$189,102		
Base	GH 3&4 Stack Elevator	25GH		\$486,619	
Base	GH 3&4 Womens Restroom Install	27GH	\$54,293		
Base	GH 3-1 BFP Major Ovrhl 18	152774	\$185,922		
Base	GH 3-1 Condenser Vac Pmp Ovrhl	29GH			\$131,367
Base	GH 3-1 LPSW Pump Major Ovrhl19	155173		\$214,359	
Base	GH 3-1 LPSW Pump Mjr Overhaul	152821	\$208,829		
Base	GH 3-1 LPSW Strainer Repl	154885	\$369,250		
Base	GH 3-1 Sand Filter Rebuild	156532		\$59,453	
Base	GH 3-1 Well Wtr Pump Rebuild18	31GH	\$20,535		
Base	GH 3-1A SO3 Air Comp	154895			\$80,868
Base	GH 3-1B SO3 Air Comp	154896			\$80,868
Base	GH 3-2 BFP Major Ovrhl 19	152779		\$208,016	
Base	GH 3-2 CT Fan Gearbox Repl18	157529	\$26,385		
Base	GH 3-2 CWP Major Ovrhl 18	152760	\$166,881		
Base	GH 3-2 LPSW Pump Mjr Overhl18	36GH	\$218,880		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH 3-2 Sand Filter Rebuild	156534		\$59,453	
Base	GH 3-3 Sand Filter Rebuild	156535		\$59,453	
Base	GH 3-4 Sand Filter Rebuild	156536		\$59,453	
Base	GH 3-4 Transport Blower Repl20	157396			\$50,688
Base	GH 3-6 Mill Motor Rotor Repl	156179	\$15,114		
Base	GH 3B Transfer House Comp Repl	157426	\$77,256		
Base	GH 3H Conveyor Repl 18	156672	\$34,984		
Base	GH 3N4 Conveyor Repl 18	157425	\$9,511		
Base	GH 3N5 Conveyor Repl 18	157424	\$7,629		
Base	GH 4 AH and Fan Area LED Light	154922		\$53,317	
Base	GH 4 E Heater Nozzle Tray Repl	130997	\$370,509		
Base	GH 4-1 BFP Major Overhaul	156417	\$160,466		
Base	GH 4-1 LPSW Pump Mjr Ovrhl 19	152819		\$202,894	
Base	GH 4-1 LPSW Strainer Repl18	158264			
Base	GH 4-1 Transport Blower Repl18	155026	\$52,657		
Base	GH 4-14 CT Fan Gearbox	158025	\$65,825		
Base	GH 4-1A SO3 Air Comp	154904			\$80,868
Base	GH 4-1B SO3 Air Comp	154905			\$80,868
Base	GH 4-2 CCW Pump Motor	158023	\$9,787		
Base	GH 4-2 CWP Major Overhaul19	45GH		\$198,884	
Base	GH 4-3 Pulv Gearbox	151354		\$479,220	
Base	GH 4-4 RecyclePmpImpeller Rfrb	157727	\$41,108		
Base	GH 4D Forklift Repl	156550			\$95,931
Base	GH 657 Scraper Replacement	137377	(\$95,057)		
Base	GH 657E Scraper Recert 2019	156570		\$874,310	
Base	GH 7&8 G Conveyor LED Lighting	154911		\$47,599	
Base	GH 7&8 G Conveyor Siding Repl	151375		\$480,260	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH Air Flow and Dew Pt Monitor	47GH			\$75,923
Base	GH Ammonia Storage Deluge Sys	157703		\$532,300	
Base	GH B Conveyor LED Light Upgd	156600			\$40,823
Base	GH Barge Unloader DC Drive Rpl	48GH		\$152,784	
Base	GH Barge Unloader Recert	140203	\$6,324,460		
Base	GH BU Bucket and Chain 20	140170			\$353,783
Base	GH Calibration & Test Equip	52GH	\$10,478		
Base	GH CCR Bottom Ash Sump Submer	155030			\$126,422
Base	GH CCR BottomAsh Sump Agitator	155024		\$174,158	
Base	GH CCR Fly Ash Compressor Repl	155031		\$286,495	
Base	GH CCR Gypsum Bldg Submer Pump	155032		\$107,391	
Base	GH CCR Pipe Conveyor Belt	144365	\$20,026	\$3,640,201	
Base	GH CCR Pug Mill Replacement	156523	\$3,334,006		
Base	GH CCR SmpPmp Ultrasonic Cntrl	155040		\$61,468	
Base	GH CCR Well Water Extension	156006	\$20,094		
Base	GH CCRT West Access Road	151884	(\$17,719)		
Base	GH Coal Handling Air Dryer Rpl	57GH		\$75,949	
Base	GH Coal Handling CntrlCbl Repl	58GH		\$81,603	
Base	GH Coal Pile Drainage Improve	156562			
Base	GH Coal Yard Maint Truck	144346			\$42,589
Base	GH Coal Yard Vehicle Wash Rack	156575			\$185,862
Base	GH Conveyor Belt 19	140183		\$844,764	
Base	GH Conveyor Belt Repl 18	140182	\$398,882		
Base	GH Conveyor Belt Repl 20	140184			\$731,326
Base	GH Crusher House Heat Sys Rpl	156605		\$104,429	
Base	GH Crusher Hse 1 Dust Col	151337	\$2,795		
Base	GH CY 10k Silo LED Lighting	154912		\$31,990	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH CY Trac Garage Office HVAC	158055	\$14,328		
Base	GH CY Transfer Hse 4 Dust Col	156064	\$40,067		
Base	GH CY Transfer Point Upgrade	152862	\$3,564,026		
Base	GH CY Water Truck	157838	\$132,122		
Base	GH CYReclmHprs1&2 & 1GCnvyrLED	156604		\$67,305	
Base	GH D9 Dozer Replacement	137339	(\$58,364)		
Base	GH DCS Cyber Security Upgrd	64GH	\$445,253		
Base	GH DCS Room HVAC Repl	158161	\$20,000		
Base	GH EH Fluid ECR Skid	156009	\$743		
Base	GH Electric Shop Addition	152833	\$15,556		
Base	GH Emergency Response TeamBldg	155610	\$53,758		
Base	GH Equipment Storage Building	156079	\$30,639		
Base	GH Floor Scrubber	157725	\$19,678		
Base	GH FLY ASH BARGE LOAD NON-ECR	158028		\$50,000	(\$50,000)
Base	GH Front End Loader	154845	(\$19,494)		
Base	GH GP103ZA CCR Belt Repl18	158200			
Base	GH GP103ZB CCR Belt Repl18	158201			
Base	GH GYP BARGE LOAD NON-ECR	158030		\$50,000	(\$50,000)
Base	GH Gyp Farm Redundant Elec Sys	75GH	\$209,564		
Base	GH Gyp Farm Tank Sump Repl	76GH		\$52,012	
Base	GH Helium Analyzer	156537		\$25,269	
Base	GH Hydrogen Generator Replace	154039	\$466		
Base	GH I&E Personnel Carriers	78GH		\$46,101	
Base	GH I12 & IMM12 Shop HVAC Rpl	79GH	\$103,062		
Base	GH Interior Stack Lighting	154923		\$230,504	
Base	GH LS 0-2 Mill Gearbox	83GH		\$450,904	
Base	GH LS 0-3 Mill Gearbox	84GH	\$581	\$450,904	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH LS Mill Feed Chute20	85GH			\$70,745
Base	GH LS Prep Elec Rm Wtr Ingress	91GH		\$102,446	
Base	GH LS Prep Mill Gearbox	153739	\$7,634		
Base	GH Machine Shop Lathe	133414	\$432		
Base	GH Mech Maint Truck	144321		\$43,343	
Base	GH MH110Z CCR Belt Repl 2017	153676			
Base	GH Misc Motors 18	140026	\$126,795		
Base	GH Misc Motors 19	140188		\$110,752	
Base	Gh Misc Motors 20	140189			\$109,809
Base	GH Misc Safety/ERT	152904		\$31,257	\$30,713
Base	GH Miscellaneous Shop Tools18	154848	\$27,243		
Base	GH Miscellaneous Shop Tools19	154849		\$26,048	
Base	GH Mobile Crane	154844		\$1,378,320	
Base	GH Old Admin Building AHU Repl	156597		\$541,968	
Base	GH Old LSPrepBldg LED LghtUpgd	156598		\$34,355	
Base	GH Property Acquisition 17	155740	\$7,000		
Base	GH Property Acquisition 18	157555	\$94,346		
Base	GH Recycle Pmp ImpellerRefrb18	99GH	\$80,473		
Base	GH Recycle Pmp ImpellerRefrb19	100GH		\$250,285	
Base	GH Recycle Pmp ImpellerRefrb20	101GH			\$247,550
Base	GH Recycle Pump Impellers	154695	(\$16,513)		
Base	GH Safety Lighting	154226	\$68,629		
Base	GH Scraper Replacement	137336	(\$2)		
Base	GH Security Cameras	151414	\$16,892		
Base	GH Self ContainBreathApp Rpl18	157829	\$37,577		
Base	GH SMM Personnel Carrier	115GH		\$15,519	
Base	GH SmpleHse H1&2 Cnvyr LEDUpgd	156599			\$122,246

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH Spare SICK SAM Monitor	144242			\$152,787
Base	GH Stacker Reclaimer Recert	140202	\$3,461,973	\$5,761,236	
Base	GH Stn Srvce Water Piping Repl	151390			\$196,167
Base	GH Supplies Vending Machine	155781	\$25,000		
Base	GH Survey Equipment 2019	156563		\$18,378	
Base	GH Transfer Hse 1 LED Lighting	154924			\$26,337
Base	GH Transfer Hse 4 LED Lighting	154925		\$31,990	
Base	GH TrnsfrHse2 & G3&4 Cnvyr LED	156601			\$63,923
Base	GH TrsferHse4 & H3&4Cnvyrs LED	156603			\$121,218
Base	GH TrsfrHse3 LEDLght	156602			\$31,065
Base	GH Vibration Analyzers	157837	\$91,298		
Base	GH Warehouse Lighting Upgrade	156132	\$4,817		
Base	GH Warehouse Truck	144320		\$47,394	
Base	GH0-1 SFC Chain Repl 20	144362			\$234,385
Base	GH1 1-1 BFPT Bucket Repl 19	157418		\$301,551	
Base	GH1 1-2 BFPT Bucket Repl 19	157417		\$433,383	
Base	GH1 1-5 Pulv Gearbox	137373		\$664,869	
Base	GH1 Air Heater Baskets	140179	\$570,345		
Base	GH1 Air Preheating Coils Repl	155018		\$162,851	\$171,394
Base	GH1 Air Preheating Coils Rpl18	156480	\$224,536		
Base	GH1 Blr Room Roof Exh Pwr Cbl	119 G H	\$63,681		
Base	GH1 Boiler Lwr Sidewall Panel	144179			
Base	GH1 Burner Corner Tubing	140222			\$225,720
Base	GH1 Burner Modification	151362			\$395,010
Base	GH1 Burner Replacement 2018-19	153821		\$113,429	
Base	GH1 CCR Valve Replace 18	156502	\$229,206		
Base	GH1 Controls Syst Upgrade 2019	137100	\$206,000	\$1,067,089	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH1 Cooling Tower ComplRebuild	121GH			\$3,217,034
Base	GH1 Crusher Hse Belt Feeders	133419	(\$8,781)		
Base	GH1 CT Gearbox Repl18	122GH			
Base	GH1 CT Gearbox Repl19	123GH		\$76,657	
Base	GH1 CT Gearbox Repl20	124GH			\$75,807
Base	GH1 Diesel Generator Repl	151422	\$53,135		
Base	GH1 Econ Inlet Header Repl	147343		\$1,053,741	\$847,613
Base	GH1 F&G Feedwater HtrDCS Cntrl	142GH			\$40,376
Base	GH1 FGD Agitator Shaft Repl18	156625	\$79,429		
Base	GH1 FGD Agitator Shaft Repl20	143GH			\$141,607
Base	GH1 FGD Amiad Strainer	154892		\$51,046	
Base	GH1 FGD Building Sump Repl	148GH		\$52,012	
Base	GH1 FGD Elevator Drive Repl	156008	\$93,107		
Base	GH1 FGD Inlet Modification	151357	\$432,067		
Base	GH1 FGD ME Spray Piping	151GH		\$477,045	
Base	GH1 FGD Recycle Pump Gearbox19	71GH		\$157,712	
Base	GH1 Furnace Wall Overlay 2020	151363		\$459,440	\$1,141,460
Base	GH1 Gen H2Cooler Pipe Relocate	154162	\$235		
Base	GH1 Horiz LTSH Repl	156577			\$1,241,460
Base	GH1 Hot RH Pipe Partial Repl19	157422	\$139,527	\$672,050	
Base	GH1 Hydrocyclone Upgrade	152GH			\$50,615
Base	GH1 Hydrogen Cooler Replace	151430	\$92,277		
Base	GH1 K Conveyor LED Lighting	154914		\$21,327	
Base	GH1 Mercems & Probe Repl	154GH			\$168,448
Base	GH1 Pyrite Piping Repl19	154963		\$183,340	
Base	GH1 Radiant RH Partial Repl 21	154985			\$101,322
Base	GH1 Reheat Pend Assy Repl	131978		\$459,440	\$4,175,820

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH1 Res Aux Xfmr 4kV TransDuct	156GH			\$150,683
Base	GH1 Reserve Xfmr Feeder Cbl	157530	\$362,845		
Base	GH1 SCR Catalyst Disposal	154588	\$18,021		
Base	GH1 SCR Catalyst L1 New	144327		\$798,131	\$1,341,482
Base	GH1 SCR Catalyst L3 New	144326	\$574,612		
Base	GH1 SCR Inlet Exp Joint Repl	157GH	\$88,094		
Base	GH1 SH Pendant Platens	144312		\$287,150	\$1,523,610
Base	GH1 SH Steam Cooled Spacer	147399			\$143,327
Base	GH1 Stack CEM Umbilical Repl	151417		\$41,447	
Base	GH1 Stack Flow Monitor Repl	158GH		\$213,088	
Base	GH1 Turbine Bldg LED Lighting	151378		\$364,463	
Base	GH1 Turbine Crossover Jt Rpl	156590		\$647,593	
Base	GH1 Varnish Removal Skid	154453	\$3,035		
Base	GH1 Waterwall panel repl 2020	154989		\$128,058	\$1,083,576
Base	GH1 Waterwall Panel Repl18	147441	\$889,329		
Base	GH1 Watt Hour Meter Replace	151385	\$47,532		
Base	GH1&2 Control Room AHU Repl	151388	\$345,570		
Base	GH1&2 Control Room Chiller Rpl	156593		\$446,198	
Base	GH1&2 J Conveyor LED Lighting	154915		\$47,986	
Base	GH1-1 Feeder & Outlet Hop Repl	147418	\$34,770	\$77,051	
Base	GH1-1 LPSW TWS REBUILD18	214GH	\$307,903		
Base	GH1-2 Feeder & Outlet Hop Repl	147406	\$29,348	\$80,586	
Base	GH1-2 LPSW TWS REBUILD18	164GH	\$45,680		
Base	GH1-3 Feeder & Outlet Hop Repl	147413	\$29,082	\$81,666	
Base	GH1-4 Feeder & Outlet Hop Repl	147414	\$27,571	\$83,173	
Base	GH1-4 Pulv Gearbox	133794		\$668,388	
Base	GH1-5 Feeder & Outlet Hop Repl	147415	\$27,207	\$83,536	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH2 4kv Switchgear	144302	\$2,345,514	\$3,447,321	
Base	GH2 7 & 8 Stage Bucket Repl	140216		\$723,495	
Base	GH2 AH Guide Bearing Vent Sys	154959	\$78,551		
Base	GH2 BCWP Seal Inject Strnr Rpl	155838	(\$20,072)		
Base	GH2 Burner Modification	151370	\$109,753	\$403,979	
Base	GH2 Burner Replacement 18	158243			
Base	GH2 Burner Replacement 19	152005	\$117,873	\$113,429	
Base	GH2 CCR Valve Replacement 19	155036		\$244,789	
Base	GH2 CoalConveyorRoom LED Light	154916		\$95,810	
Base	GH2 Controls Syst Upgrade 2019	137101		\$1,029,567	
Base	GH2 CT Blowdown Partial Repl	154271	\$344,249		
Base	GH2 CT Blowdown Partial Rpl P2	156564		\$526,814	
Base	GH2 CT Gearbox Repl18	169GH	\$78,161		
Base	GH2 CT Gearbox Repl19	170GH		\$76,657	
Base	GH2 CT Gearbox Repl20	171GH			\$75,807
Base	GH2 CWP Discharge Valve Rpl	155549		\$117,697	
Base	GH2 Diesel Generator Repl	155747	\$49,185		
Base	GH2 ESS MCC Transfer Swt	144306	\$12,390		
Base	GH2 Furnace Wall Metal Overlay	151404			\$112,860
Base	GH2 HP Turb Seal Ring Repl	140218		\$303,243	
Base	GH2 M Conveyor LED Lighting	154917		\$26,659	\$26,337
Base	GH2 PA Duct Mtl Exp Joint Rpl	188GH		\$280,841	
Base	GH2 PA Fan Inlet Silencers Rpl	156180			
Base	GH2 Pyrite Piping Repl18	154966	\$186,056		
Base	GH2 SOFA Expansion Joint Repl	158159	\$100,000		
Base	GH2 Spare Ash Sluice Pump	158160	\$40,000		
Base	GH2 Steam Cooled Spacer Repl	155002		\$940,740	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH2 T & B AH Basket Repl 2019	137417		\$1,728,997	
Base	GH2 Turb Packing Repl	140217		\$674,689	
Base	GH2 Varnish Removal Skid	192GH	\$32,442		
Base	GH2 Watt Hour Meter Replace	151387	\$48,709		
Base	GH3 125vdc Panelboards	144375			
Base	GH3 3-3 Pulv Gearbox	144423		\$677,111	
Base	GH3 3-4 Pulv Gearbox	137372	\$51,818		
Base	GH3 AH and Fan Area LED Light	154918		\$53,317	
Base	GH3 AH Soot Blower Controls	147683			
Base	GH3 Boiler Burner Repl	133515	\$2,626,198	\$163,547	
Base	GH3 Boiler Rm Sump Pump	158009	\$67,784		
Base	GH3 CCR Valve Replace 18	155037	\$193,762		
Base	GH3 Coal Hand Relay Repl	137104		\$228,020	
Base	GH3 Controls Syst Upgrade 2019	137102		\$767,729	
Base	GH3 Cooling Tower ComplRebuild	194GH	\$9,815,934	\$1,055,713	
Base	GH3 Crossover Expansion Joints	156421	\$405,290		
Base	GH3 Exterior LED Light Upgrade	156594			\$182,291
Base	GH3 FGD Amiad Strainer	154893			\$50,499
Base	GH3 FGD Building Sump Repl	201GH			\$42,401
Base	GH3 FGD Exp Jts 2018	137479	\$56,392		
Base	GH3 FGD Inlet Modification	151358	(\$1,899)		
Base	GH3 FGD Recycle Pump Gearbox19	73GH		\$157,712	
Base	GH3 Furnace Wall Metal Ovrly18	151366	\$200,000	\$1,927,185	
Base	GH3 Generator Rotor Rewind	152848	\$1,691,434		
Base	GH3 HP Inlet Snout Ring Repl	156415	\$283,079		
Base	GH3 HP-IP Packing Repl	156418	\$800,555		
Base	GH3 Ignitor Oil & Air Controls	147685			

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH3 Low Pressure Htr Controls	147775	\$83,862		
Base	GH3 ME Spray Pipe Repl	137084		\$501,651	
Base	GH3 Micron Filter Replacement	147294	\$7,049		
Base	GH3 PA Duct Hopper Replacement	151436	\$9,631		
Base	GH3 Partial Vertical RH Rpl17	154085	\$93,611		
Base	GH3 Precip Rebuild Phase 1	144303	\$751,053		
Base	GH3 Precip Rebuild Phase 2	154941		\$435,139	
Base	GH3 Precip Rebuild Phase 3	154942			\$442,516
Base	GH3 Primary SH Tube Repl	131980	\$3,507,137		
Base	GH3 Pulv Cold Air Damper Repl	151438	\$225,540		
Base	GH3 RearWW Nose Arch Lwr Bends	151401	\$656,519		
Base	GH3 RH Otlt Terminal Tube Repl	151403		\$1,119,288	
Base	GH3 RH Outlet Reducer Repl	157788	\$125,000		
Base	GH3 River Return Controls	147711			
Base	GH3 SCR Exp Joint Repl	209GH		\$528,880	
Base	GH3 SCR L1 Replacement	133468	\$7,810		
Base	GH3 Soot Blower Press Controls	147709			
Base	GH3 Station Batteries Repl	154934			\$60,589
Base	GH3 Turb Sealing Steam Contr	147731			
Base	GH3 Turbine Bucket Repl	156419	\$844,655		
Base	GH3 Turbine IP Bolting Repl	156420	\$356,353		
Base	GH3 Turbine IP Diaphragm Repl	154109	\$1,268,651		
Base	GH3 TurbineBldg LED Lighting17	151379	\$1,016		
Base	GH3 Upper Econ Upper Bank	144311	\$1,422,568		
Base	GH3 Vertical RH Partial Repl18	155008	\$3,277,758		
Base	GH3 Watt Hour Meter Replace	151389	\$50,269		
Base	GH3-1 LPSW TWS REBUILD19	162GH		\$204,007	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH4 480v MCC Replacement	144309			\$186,348
Base	GH4 AH Basket Repl 2020	156629		\$1,496,495	\$997,507
Base	GH4 AH Rack & Pinion Gear Rpl	154961			\$274,322
Base	GH4 B Feedwater Htr Repl	133520			
Base	GH4 CCR Valve Replacement 19	155038		\$244,789	
Base	GH4 CCW Controls	147714	\$81,697		
Base	GH4 Coal Handling Controls	144374			\$182,894
Base	GH4 Controls Syst Upgrade 2019	137103	\$216,000	\$738,201	
Base	GH4 Cooling Tower ComplRebuild	220GH		\$1,435,750	\$10,099,794
Base	GH4 Econ Out Duct Delta Wing	152897			
Base	GH4 Econ Outlet Duct Exp Jt	126302			\$506,205
Base	GH4 FGD Agitator Shaft Repl18	156624	\$41,655		
Base	GH4 FGD Inlet Duct Exp Jts 20	137485			\$10,286
Base	GH4 FGD Inlet Modification	151361	\$454,350		
Base	GH4 FGD Outlet Hood Exp Jt Rpl	232GH	\$52,176		
Base	GH4 FGD Recycle Pump Gearbox19	72GH		\$157,712	
Base	GH4 Furnace Wall Metal Overlay	140199		\$205,720	\$1,285,235
Base	GH4 Ignitor Oil & Air Controls	147706	\$11,691		
Base	GH4 Mercems & Probe Repl	41GH			\$168,448
Base	GH4 Mill BSO Repl	147347			\$335,065
Base	GH4 PA Duct Replacement	151437			\$450,397
Base	GH4 PJFF Bag Replacement 19	135284		\$2,705,599	
Base	GH4 Precip Rebuild Phase 1	144305	\$362,392		
Base	GH4 Precip Rebuild Phase 2	154949		\$435,139	
Base	GH4 Precip Rebuild Phase 3	154950			\$442,516
Base	GH4 Precip Rebuild Phase 4	154951			\$909,386
Base	GH4 Primary SH Repl	137474		\$1,278,782	\$2,890,485

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GH4 Pulv Cold Air Dampers Repl	151439			\$165,754
Base	GH4 RH Outlet Terminal TubeRpl	155014		\$86,145	\$775,450
Base	GH4 River Return Controls	147698		\$29,386	
Base	GH4 SCR Catalyst L1	144325		\$798,131	\$1,520,932
Base	GH4 SCR Exp Joint Repl	238GH		\$528,900	
Base	GH4 SH Spray Valve Retrofit	131203	\$19		
Base	GH4 Stack CEM Umbilical Repl	151421	\$5,113		
Base	GH4 StckFlw&Particulte MntrRpl	239GH	\$45,225		
Base	GH4 Turbine	148111			\$3,019,207
Base	GH4 Turbine Bldg LED Light	151380		\$364,463	
Base	GH4 Upper Econ Repl	137244		\$660,493	\$1,046,770
Base	GH4 Varnish Removal Skid	244GH		\$33,208	
Base	GH4 Vertical RH Repl	155017		\$409,785	\$4,694,426
Base	GH4 Watt Hour Meter Replace	156798	\$68,386		
Base	GHENT DSI IMPROVE NON-ECR	157591	\$2,125,000	\$3,750,000	
Base	GHENT DUST CONTROL NON-ECR	157612	\$1,100,000		
Base	GREEN RIVER DEMO	153263	\$5,031,000	\$10,615,000	
Base	GS Cane Run Card Readers KU	157943KU	\$18,065		
Base	GS CDM CIP Ver 6.0 KU	139670KU	\$114,688		
Base	GS CDM CIP Ver 7.0 KU	144510KU		\$118,716	
Base	GS CDM CIP Ver 8.0 KU	144514KU			\$87,807
Base	GS CDM GMD Protection KU	144503KU		\$35,762	\$36,528
Base	GS CDM Lrg Format KU	132931KU			\$98,344
Base	GS CDM SUBSTATION CALLBOX KU	153683KU	\$9,600		
Base	GS CDM TRIPWIRE GH	156411KU	\$89,408		
Base	GS CDM TRIPWIRE KU	148175KU	\$46,800	\$63,860	
Base	GS CDM TRIPWIRE TC KU	155848KU			

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GS CR7 Bus Tie KU	157804KU	\$27,837		
Base	GS Filter Skid CR KU	157795KU	\$51,269		
Base	GS Filter Skid KU	157792KU	\$80,322		
Base	GS GE 345kV Spr KU	133102KU			
Base	GS GE Alarm Mgmt CR KU	151563KU	(\$20,206)		
Base	GS GE Aux Trans Prot KU	139598KU			
Base	GS GE Black Start KU	150080KU	\$880		
Base	GS GE BlackStart TC KU	151126KU	\$4,195		
Base	GS GE CV GIS KU	148135KU			\$70,246
Base	GS GE CV Landfill Instrum KU	148132KU		\$69,377	\$69,543
Base	GS GE Dam Impnd KU	133076KU		\$64,499	\$61,944
Base	GS GE DME Phase II KU	139595KU	\$71,404		
Base	GS GE KU Lab Equip	132756KU		\$96,056	\$98,344
Base	GS GE PDM Equip Upgrade KU	144494KU			\$61,114
Base	GS GE Test Equip Pool KU	136480KU	\$70,271	\$114,437	\$140,492
Base	GS Gen Eng Drone	158166KU	\$20,006		
Base	GS Gen Eng Drone Software	158167KU	\$20,006		
Base	GS GenEng CR7 RO KU	155378KU	\$2,996		
Base	GS GenEng Insight CM CR7 KU	155180KU	\$24,832		
Base	GS GenEng Insight CM KU	155176KU	\$463		
Base	GS GenEng MHM Software KU	155124KU		\$63,000	
Base	GS GenEng RTU TC KU	156639KU			
Base	GS GenEng Transf Protection KU	155127KU		\$228,874	\$224,787
Base	GS Integrated GNSS System KU	157803KU	\$14,868		
Base	GS Oil EHC System BR	157794KU			
Base	GS SL GAS GC KU	152128KU	\$53,550		
Base	GS TC Inclinometers KU	158083KU	\$78,236		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	GS Trimble Card Readers KU	157945KU	\$19,420		
Base	GS XRF GUN KU	157789KU	\$30,796		
Base	GS XRF Gun Mechanical Eng	157790KU			
Base	HF Fuel Oil Start Up Tank	155161	\$90,000		
Base	KEY SEATER	140344KU			
Base	MISC TOOLS	140342KU		\$48,904	\$60,412
Base	NEW CR EQUIP STOR SHED KU	157741	\$367,149		
Base	Other LTP Gen Projects KU	LTPGENKU	\$112,500	\$112,500	\$112,500
Base	Pineville Demo	144659	\$2,643,000	\$5,874,000	
Base	PR Control Room Upgrade	151999 KU	(\$3,766)		
Base	PR13 H2 Purity Meter KU	156181 KU	\$1,808		
Base	PR13 SFC Switch Cab KU	156909 KU	\$118,910	\$160,906	
Base	PR13 Site Riverside Fence KU	157182 KU	\$23,291		
Base	PR13 T3K Hardware Refresh KU	152056 KU		\$217,068	
Base	PR13 Truck KU	157186 KU		\$11,645	
Base	Scanning Equip-KU	131915KU			\$68,969
Base	ST L-O BLADES KU	156027 KU	\$52,129		
Base	TC 138kV FEED UPG	156986KU			\$304,069
Base	TC 138kV MODs	156991KU			\$101,156
Base	TC AMMONIA LINE BARRICADE	156146KU			
Base	TC AMMONIA TANK WATER CURTAIN	157302KU			\$81,259
Base	TC ASH POND MOWERS 2018	156492KU	\$48,604		
Base	TC B BALL MILL LINE UPGD	152092KU	\$121,788		
Base	TC B COAL CONVEYOR MTR RWND	158223KU			
Base	TC BUGGY PARKING STRUCTURE	158231KU			
Base	TC C COAL MTR SPARE	147470KU			\$71,102
Base	TC CBU B & C	140654KU		\$206,748	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC CBU BUCKETS & CHAINS 2018	156635KU	\$204,950		
Base	TC CCR PIPE CONVEYOR BELT	152657KU			
Base	TC CCRT OFFICE AREA	158262KU			
Base	TC CITY WATER LOOP TIE	154810KU	\$19,250		
Base	TC COAL CONVEYOR VFD UPGD	154729KU	\$43,134	\$42,418	\$42,890
Base	TC COAL HAND BUILD RF REPL	157150KU		\$22,218	\$22,884
Base	TC COAL SURGE BIN ROOF	154731KU	\$55,707		
Base	TC CONV BELT REPL	140619KU		\$65,608	\$136,515
Base	TC CONVEYOR BELT 2017	154583KU	\$61		
Base	TC CONVEYOR BELT REPL 2018	156503KU	\$62,697		
Base	TC CRITICAL HEAT UPGD	157115KU		\$74,059	\$37,030
Base	TC CT 7 REBUILD EX EXP JNTS	153098KU	\$213,443		
Base	TC CT CEMS REPL	154790KU	\$91,427		
Base	TC CT COMPRESS BLEED VLV UPGD	157297KU		\$144,724	\$142,204
Base	TC CT EMERSON PWCS	156863KU			\$114,507
Base	TC CT GAS METER	157813KU		\$542,714	
Base	TC CT HMI UPGRADE++	152032KU		\$252,727	
Base	TC CT KU BULK CO STORAGE	152009KU	\$221,173		
Base	TC CT KU DCS UPG	140014KU		\$219,092	
Base	TC CT KU EX2000 DFE CT10	152001KU		\$115,995	
Base	TC CT KU EX2000 DFE CT7	152004KU	\$112,140		
Base	TC CT KU EX2000 DFE CT8	152005KU	\$112,140		
Base	TC CT KU EX2000 DFE CT9	152006KU		\$120,531	
Base	TC CT KU LC1 UPGD #2	140659KU		\$202,613	
Base	TC CT KU LC1 UPGD #3	140660KU	\$187,633		
Base	TC CT KU LUBE OIL PUMPS	152007KU		\$72,362	
Base	TC CT KU MARK VI UPGD CT10	152016KU		\$165,709	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC CT KU MARK VI UPGD CT7	152013KU	\$142,907		
Base	TC CT KU MARK VI UPGD CT8	152014KU	\$168,812		
Base	TC CT KU MARK VI UPGD CT9	152015KU		\$166,070	
Base	TC CT KU PEEC BATTERIES	153070KU		\$130,251	\$127,983
Base	TC CT MULTILIN RELAY UPGD	157295KU		\$325,628	
Base	TC CT REB EXH EXP JNTS	153099KU			\$207,438
Base	TC CT SECUR ST	152038KU	\$168,060		
Base	TC CT TURNING GEAR REFURB	157299KU		\$42,121	
Base	TC CT WAREHOUSE	154792KU		\$434,894	\$129,018
Base	TC DCS METERING UPGD	156846KU		\$36,862	\$37,968
Base	TC DCS ROOM RENOVATION	154064KU	\$364		
Base	TC DCS SIMULATOR	156836KU		\$825,251	
Base	TC ELECTROMECH RELAY 2018	156482KU	\$112,003		
Base	TC F COAL CONV GALLERY REBLD	155443KU		\$783,913	\$1,164,637
Base	TC F COAL CONV GLRY RBLD 2018	156656KU	\$84,501		
Base	TC F COAL CONV SPARE MOTOR	156994KU			\$81,085
Base	TC FUEL BLEND FEEDER	153028KU			\$40,630
Base	TC FUEL HANDL DOZER	153072KU		\$578,894	
Base	TC GROUND FLR WATER MGMT	157118KU		\$27,377	\$27,377
Base	TC GYPSUM BARGE UNLOADER	157531KU	\$243,313		
Base	TC I/E SHOP OFFICE SPACE	153640KU	\$509		
Base	TC IMPOUND IMPROV	153056KU		\$74,059	\$39,251
Base	TC IMPOUNDMENT IMPROVE 2018	156674KU	\$173,483		
Base	TC INSIGHT CM VIB MONITOR	155077KU		\$10,337	\$10,157
Base	TC INVERTER UPG	156980KU		\$18,515	
Base	TC KU ADD HEAT TO BINS & CHUTE	150073KU			\$21,879
Base	TC KU ASH POND MOWERS	150031KU		\$54,581	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC KU B COAL CONV SP MTR	150008KU			
Base	TC KU CCR DRY VAC EQUIP	153002KU			\$73,133
Base	TC KU COAL HAND BUILD ROOF	150058KU	\$21,007		
Base	TC KU COAL HAND BYPASS GATE	150060KU	\$43,258		
Base	TC KU DIGITAL RADIO CONV	150027KU	(\$28,029)		
Base	TC KU E4 CONVEYOR	150074KU			
Base	TC KU ELECTROMECH RELAY	150053KU		\$78,564	\$77,196
Base	TC KU FLY ASH SAMPLERS	150048KU			
Base	TC KU FLYASH BREASTING SYS	153027KU			
Base	TC KU LAB EQUIP PURCHASES	133627KU		\$28,118	\$28,712
Base	TC KU LAB PURCH MONITORS	133622KU		\$45,599	\$46,264
Base	TC KU LIGHT UPGRADE	150071KU	\$66		
Base	TC KU LSTONE CONV FLOP GATE	150067KU			
Base	TC KU PLT ENG/MTR RWNDS	133615KU	\$88,584	\$132,094	\$133,688
Base	TC KU PREDICT DEVICES MAINT	139682KU		\$20,675	\$20,315
Base	TC KU PURCHASE JLG LIFT	140032KU		\$92,462	
Base	TC KU REPL B CHILLER	153069KU	(\$4,877)		
Base	TC KU REPL LST TANK FLOORS	150049KU			\$194,735
Base	TC KU REPL SEWAGE PLANT	150077KU			\$148,603
Base	TC KU SAFETY & ERT EQUIP	133653KU		\$28,942	\$28,438
Base	TC KU SITE PAVING	150000KU			\$64,802
Base	TC KU UPG COAL HAND SAMP	150059KU		\$124,049	
Base	TC KU UPG WHSE SECURITY	150045KU			\$17,280
Base	TC KU UPGRD RO SYSTEM	139800KU			\$20,315
Base	TC KU WAREHOUSE BARCODE/SC	150041KU			
Base	TC KU WASTE PUMPS SL PIT	150065KU		\$31,012	
Base	TC KU WHSE FORKLIFT/PALL RACK	150043KU			\$21,669

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC LAB EQUIPMENT 2018	156496KU	\$25,821		
Base	TC LAB MONITORS 2017	154001KU	\$304		
Base	TC LAB MONITORS 2018	156494KU	\$43,211		
Base	TC LBU CLAMSHELL SPARE-	154805KU	\$53,982		
Base	TC LED LIGHTING	154759KU		\$63,885	\$64,655
Base	TC LED SAFETY MESSAGE BOARD	158115KU	\$26,143		
Base	TC LIGHTING UPG-2018	156382KU	\$67,391		
Base	TC LIMESTONE FEEDER UPG++	154803KU			\$110,587
Base	TC LIMESTONE PREP CHUTE REPL	154751KU	\$35,327		
Base	TC LS TRIPPER REFURBISHMENT	157730KU	\$448,652		
Base	TC MATERIAL HAND OFFICE	156848KU		\$30,887	\$30,347
Base	TC MATERIAL HDLG STRUCT UPGD	156830KU		\$92,156	\$94,920
Base	TC MOORING CELL REFURB	156825KU		\$147,449	\$151,872
Base	TC MOORING CELL REFURBISHMENT	154067KU			
Base	TC MOORING CELL UPGD 2018	156477KU	\$142,992		
Base	TC NETWORK FIBER UPGRADE	156840KU			\$92,156
Base	TC OFFICE UPGRADES	152693KU	\$71,868	\$124,963	\$81,835
Base	TC OIL STORAGE BUILDING	156150KU	\$13,591		
Base	TC OVAT SECURITY CENTER	152079KU			\$92,574
Base	TC PLATFORMS INSTALL	158233KU			
Base	TC PLC CONVERSION	156838KU			\$184,311
Base	TC PREDICT MAINT DEVICE 2018	156707KU	\$8,667		
Base	TC PREDICTIVE MAINT DEV 2017	154003KU			
Base	TC RAT RELAYS	152097KU		\$60,823	
Base	TC RAT TERMINATION UPGD++	154771KU			\$210,004
Base	TC REBUILD SWP DIS STRAINER	156632KU	\$53,593		
Base	TC REPL CRUSHER HOUSE SIDING	156704KU	\$27,395		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC RESTROOM UPGRADE SERV BUILD	158210KU			
Base	TC SAFETY & ERT EQUIP- 2018	156264KU	\$8,886		
Base	TC SAFETY/ERT 2017	153962KU	\$3,588		
Base	TC SERVICE BUILD ROOF REPL	156702KU	\$18,119		
Base	TC SERVICE WATER PUMP OH	154741KU			\$27,647
Base	TC SHUTT BARGE WINCH UPG	152070KU		\$49,620	
Base	TC SITE PAVING 2017	154055KU	\$8,634		
Base	TC STACKER RECLAIM OH	156850KU		\$195,081	
Base	TC STATION AIR SYSTEM REFURB	154476KU	\$199		
Base	TC SWP RECIRC VLV	154757KU	\$46,380		
Base	TC TRANSFORMER RELAY UPG	154769KU		\$55,293	
Base	TC TURBINE OIL CONDITION UNIT	156120KU	\$24,865		
Base	TC UPGD CONFERENCE ROOMS	154628KU	(\$1,872)		
Base	TC1 & COMM 480V BREAK UPG 2017	153964KU	\$2,751		
Base	TC2 2B ID FAN DE BLADE -	154210KU	\$828		
Base	TC2 ABB BREAKER UPG	155372KU	\$632,507		
Base	TC2 ABB MAINS BREAKER UPGD	157248KU		\$627,997	
Base	TC2 ACOUSTIC MONITORS	154711KU	\$43,812		
Base	TC2 B BFP OVERHAUL	152685KU			\$140,661
Base	TC2 B BFP OVRHAUL	152683KU		\$131,986	
Base	TC2 BATTERY UPGD	154733KU	\$167,016		
Base	TC2 BIASING DAMPER UPG	155075KU			
Base	TC2 BOILER WATER WALL	152652KU		\$1,244,099	
Base	TC2 BOILER WATER WALL 2020	155558KU			\$1,365,439
Base	TC2 BOILER WATERWALL 2018	152068KU	\$314,469		
Base	TC2 BOILER WW REPL	152049KU	\$2,865,197		
Base	TC2 BUILDING VENT UPGD	157109KU		\$234,128	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC2 BURNER B,E ROWS 2020	155659KU			\$199,205
Base	TC2 COAL FLOW ANALYZE PHII	156148KU	\$12,153		
Base	TC2 COAL FLOW ANALYZERS 2018	156255KU	\$206,069		
Base	TC2 COMMON WASTE SUMP UPG	154763KU	\$71,122		
Base	TC2 COND POLISHER RESIN UPG	154786KU	\$109,831		
Base	TC2 COOLING TOWER MAKEUP	154062KU	\$2,336		
Base	TC2 COOLING TOWER PUMP OH	154744KU			\$78,109
Base	TC2 DEMISTER CHEVRON SPARE	156956KU	\$393,045		
Base	TC2 DSI AIR COMPRESSOR RELOC	158266KU			
Base	TC2 ECON HOPPER VIBRATORS	158117KU	\$76,137		
Base	TC2 EXCITE TRANSFORM REPL 2017	154156KU	\$46,617		
Base	TC2 EXPANSION JOINTS 2020	155651KU			\$475,194
Base	TC2 FGD AGITATOR BLADES	156967KU		\$69,724	
Base	TC2 GAS SCANNER UPGD	154749KU	\$162,924		
Base	TC2 GENERATOR PIPING ELBOWS	154290KU	\$52,745		
Base	TC2 HA COMP OH	157075KU			\$85,350
Base	TC2 HP TURBINE BLADES	152099KU	\$575,736		
Base	TC2 HYDROJET PIPING-	154713KU	\$222,799		
Base	TC2 Hydrojet Strainer	155193KU	(\$38)		
Base	TC2 IA COMP OH	157077KU			\$92,178
Base	TC2 ID FAN HUB SEAL RETROFIT#	156859KU		\$48,807	
Base	TC2 ID FAN REG DRIVE RETROFIT	156855KU		\$34,862	
Base	TC2 ID FAN SEAL AIR UPG	154721KU	\$285,388		
Base	TC2 ID FAN SEALING AIR FLOW	156853KU		\$88,968	
Base	TC2 INSIGHT VIB MONT 2018	156612KU	\$44,161		
Base	TC2 KU A CEM ANALYZER	153022KU			\$119,632
Base	TC2 KU A ID FAN OVERHAUL	152659KU			\$658,798

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC2 KU B CEM ANALYZER CHANGE	153023KU			\$119,632
Base	TC2 KU BURNER B,E ROWS	150015KU		\$197,645	
Base	TC2 KU BURNER NOZZLE REPL	150013KU	\$316,091		
Base	TC2 KU BURNERS (C,F)	150017KU		\$107,806	\$109,106
Base	TC2 KU COAL FLOW ANALYZERS	150018KU		\$104,666	
Base	TC2 KU COAL MILL AREA HOIST	150034KU	\$73,425		
Base	TC2 KU DCS UPGRADE	137585KU		\$1,573,471	
Base	TC2 KU EXPANS JOINTS	140614KU	\$351,353		
Base	TC2 KU FINAL SH REP	153047KU		\$104,666	\$381,375
Base	TC2 KU GEN EXITATION REPL	153053KU	\$727,634		
Base	TC2 KU ID FAN PLATFORMS	150036KU			
Base	TC2 KU IGNIT FUEL 2015	142753KU			
Base	TC2 KU INST MTR VALVE 8A&8B	149023KU			\$196,035
Base	TC2 KU LOWER SLOPE WW REPL	150052KU		\$182,120	\$560,156
Base	TC2 KU MDBFP START	153055KU	\$121,657	\$312,437	
Base	TC2 KU SLMS UNIT	137633KU	\$110,722	\$52,334	
Base	TC2 KU SSC CHAIN	150054KU	\$152,344		
Base	TC2 KU SSC TILE	150064KU			\$320,537
Base	TC2 KU TDBFP RECIRC VALVE A	149019KU	\$121,657		
Base	TC2 KU TDBFP RECIRC VALVE B	149021KU			\$137,125
Base	TC2 KU TURB RESEAL LPA & LPB	161004KU		\$556,282	
Base	TC2 KU TURBINE CONTROL UPGD	140048KU	\$456,388		
Base	TC2 KU UPG SAMPLE LINES SWAS	153034KU	\$108,073		
Base	TC2 LOWER SLOPE REPLACE	157777KU		\$697,775	
Base	TC2 MS TURBINE BYPASS VALVE	152695KU			
Base	TC2 NOX PROBE GRID%	151006KU		\$414,917	
Base	TC2 O2 PROBE REPLACEMENT	156412KU	\$173,330		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
Base	TC2 PJFF COMPRESSOR REPL	155879KU	\$14,710		
Base	TC2 REPL SB CONTROL VLV	154719KU		\$222,565	
Base	TC2 RH ATTEMPERATORS	157779KU		\$279,110	\$479,937
Base	TC2 SCR CATALYST L1 NEW	153080KU		\$629,200	\$1,844,731
Base	TC2 SCR L3 REPL-KU	134113KU	\$800,717		
Base	TC2 SDRS SUMP PUMP	156014KU	\$9,950		
Base	TC2 SOOTBLOWER CONTROL WIRING	154715KU			
Base	TC2 SOOTBLOWER CONTROLS UPGD	156842KU			
Base	TC2 SPARE MSV & CRV STRAINERS	156506KU	\$247,622		
Base	TC2 SSC FL REPL	152042KU			\$223,769
Base	TC2 TURBINE DIAPHRAGMS REBLD	156802KU	\$443,376		
Base	TC2 TURBINE KU REPL HP INLET	161003KU	\$202,168		
Base	TC2 TURBINE KU RESEAL HP-IP	161002KU	\$558,656		
Base	TC2 Turbine OH Cart	155195KU	\$43,722		
Base	TC2 TURBINE OIL FILTER UPG	154773KU	\$148,357		
Base	TC2 WESP DRAIN PIPING	156834KU			\$126,718
Base	TC2KU PJFF B&C	135245KU	\$1,288,310		
Base	TCCT HGP Insp Unit 7 KU	132002KU	\$2,352,780	\$515,940	
Base	TCCT HGP Insp Unit 8 KU	132004KU			
Base	TCCT HGP Insp Unit 9 KU	132003KU			\$2,694,758
Base	Tyrone Demo	144660	\$2,743,000	\$8,804,000	
Base Total			\$115,970,200	\$161,116,710	\$95,330,028
ECR Mechanism	BR AUX POND CCR	148824	\$2,504,071	\$7,418,000	\$7,657,000
ECR Mechanism	BR CCR Rule New Construction	152898	\$5,733,929	\$2,107,000	
ECR Mechanism	BR GS SL CCR WELL MONITOR 2019	157470BR		\$223,230	
ECR Mechanism	BR GS SL CCR WELL MONITOR 2020	157471BR			\$45,068
ECR Mechanism	BR LF PHASE II CONSTR	158187	\$6,009,971	\$11,348,029	

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
ECR Mechanism	BR MAIN ASH POND CLOSURE	158250			
ECR Mechanism	BR Main Pond Closure	144610	\$434,633		
ECR Mechanism	BR Process Water	152377	\$3,750,000	\$18,500,084	\$600,421
ECR Mechanism	BR3 Bot Ash Overfl Piping Repl	154365	\$3,454		
ECR Mechanism	BR3 PJFF BC Repl	135102		\$2,673,270	
ECR Mechanism	BR3 SCR Catalyst - Middle	151992		\$2,086,648	
ECR Mechanism	BR3 SCR Top Layer Catalyst 17	150856	(\$11,643)		
ECR Mechanism	Brown Landfill PH I	132371			
ECR Mechanism	Brown Landfill Phase II	132245	(\$165)		
ECR Mechanism	ELG GH ECR	152965			\$976,379
ECR Mechanism	ELG TC KU ECR	152968			\$1,954,207
ECR Mechanism	GH ATB #1 CCR	148827	\$1,062,383	\$18,680,000	\$18,680,000
ECR Mechanism	GH ATB #2 CCR	148828	\$7,066,028	\$5,600,000	\$13,708,973
ECR Mechanism	GH CCR Rule New Construction	152899	\$22,811,570	\$6,760,000	\$6,783,000
ECR Mechanism	GH DTLS MAINT ACCESS	155849	\$918,045		
ECR Mechanism	GH FLY ASH BARGE LOAD ECR	158027			\$3,050,000
ECR Mechanism	GH GS SL CCR WELL MONITOR 2019	157470GH		\$473,795	
ECR Mechanism	GH GS SL CCR WELL MONITOR 2020	157471GH			\$260,611
ECR Mechanism	GH GYPSUM BARGE LOAD ECR	158029			\$1,050,000
ECR Mechanism	GH GYPSUM STCK CCR	150045	\$3,676,019	\$5,160,000	\$5,160,000
ECR Mechanism	GH LAND PWS ELG	153616	\$2,663		
ECR Mechanism	GH Process Water	152379	\$86,762,337	\$10,791,849	
ECR Mechanism	GH1 FABRIC FILTER	130870	\$87,768		
ECR Mechanism	GH1 HG CONTROL INJECTION	149347	\$45,996		
ECR Mechanism	GH1 PJFF BC 2020	135277		\$849,964	\$1,589,973
ECR Mechanism	GH2 FABRIC FILTER	130871	\$191,255		
ECR Mechanism	GH2 HG CONTROL INJECTION	149348	\$25,379		

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Base/Mechanism	Project Description	Project No.	2018	2019	2020
ECR Mechanism	GH3 FABRIC FILTER	130872	(\$5,021)		
ECR Mechanism	GH3 HG CONTROL INJECTION	149350	\$65,944		
ECR Mechanism	GH3 PJFF BC 20	135282			\$2,439,937
ECR Mechanism	GH4 FABRIC FILTER	130873	(\$24,001)		
ECR Mechanism	GH4 HG CONTROL INJECTION	149351	\$43,241		
ECR Mechanism	Ghent Ash Pond/Landfill	122609	\$4,038,955		
ECR Mechanism	GR ATB #2 CCR	148832	\$6,968,665	\$884,000	
ECR Mechanism	GR CCR New Construction	155061	(\$807,965)		
ECR Mechanism	GR MAIN AP CCR	148831	\$9,561,834	\$315,842	
ECR Mechanism	GR SO2 POND CCR	150046	\$4,214,466	\$727,000	
ECR Mechanism	PV ASH POND CCR	148839	\$2,620,000	\$4,815,094	
ECR Mechanism	TC AP KU CCR	148842	\$1,709,373	\$4,254,480	\$4,219,920
ECR Mechanism	TC CCR New Const Proces Pd KU	155518	\$2,212,710	\$1,520,249	
ECR Mechanism	TC CCRT BOTTOM ASH SPARES	158121KU	\$96,781		
ECR Mechanism	TC CCRT CAPITAL SPARES	157656KU	\$307,727		
ECR Mechanism	TC CCRT FA KU	151120	\$5,153,295	\$847,548	
ECR Mechanism	TC CCRT G KU	151121	\$7,095,772	\$418,992	
ECR Mechanism	TC CCRT LANDFILL KU	151123	\$9,361,615	\$4,934,574	\$2,070,000
ECR Mechanism	TC CCRT TRANS KU	151122	\$7,809,081	\$10,810,440	\$1,757,520
ECR Mechanism	TC GYP KU CCR	148844	\$150,306		\$612,000
ECR Mechanism	TC HALE LAND 2018 KU	157594	\$63,680		
ECR Mechanism	TC KU GS CCR WELL MONITOR 2019	157470TCK		\$192,561	
ECR Mechanism	TC KU GS CCR WELL MONITOR 2020	157471TCK			\$116,738
ECR Mechanism	TC KU Process Water	152385	\$20,000,929	\$4,794,209	
ECR Mechanism	TC Landfill Add'l Land KU	137492	\$3,270		
ECR Mechanism	TY ASH POND CCR	148840	\$6,693,000	\$596,596	
ECR Mechanism Tota	al		\$228,407,348	\$127,783,455	\$72,731,746

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 Base/Mechanism
 Project Description
 Project No.
 2018
 2019
 2020

 Grand Total
 \$344,377,549
 \$288,900,165
 \$168,061,775

Note - Kentucky Utilities Company does not budget capital at the generating unit level.

KENTUCKY UTILITIES COMPANY

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 28

Responding Witness: Daniel K. Arbough / Christopher M. Garrett

Q.1-28. Refer to the non-generation plant asset amounts depicted below which are taken from the referenced cell rows on the Excel spreadsheet titled Att_KU_PSC_1-65_Depreciation_Exp_Wkpr provided in response to PSC Staff 1-65.

Cell		Jun 2018	Ju12018	Jul 2018 Over	Apr 2020	Apr 2020 Over	%
Row	Asset Account and Description	Actual	Projected	Jun 18	Projected	Jun 18	Increase
373	KU-135310- KY S tation Equip -Non Sy	268,147,993	289,546,697	21,398,704	360,137,026	91,989,034	34.3%
381	KU-135500- KY Poles	306,826,589	320,110,157	13,283,569	449,501,561	142,674,972	46.5%
392	KU-135800- KY Undergrd Conductors a	1,299,593	1,299,593	-	11,202,092	9,902,500	762.0%
402	KU-136100- KY S truct and Improv	13,590,515	14,105,995	515,481	32,938,673	19,348,159	142.4%
405	KU-136200- KY S tation Equipment	192,993,905	197,950,948	4,957,044	260,350,074	67,356,169	34.9%
410	KU-136400-KY Poles, Towers, and Fix	370,869,161	371,494,005	624,844	406,782,339	35,913,178	9.7%
414	KU-136500- KY Overhead Conductor	354,667,794	358,086,520	3,418,726	411,554,525	56,886,730	16.0%
422	KU-136700- KY Undergrad Conductors	192,818,025	194,105,487	1,287,462	224,291,312	31,473,287	16.3%
449	KU-139010- KY S tructures & Improv	45,938,296	46,144,191	205,895	62,506,285	16,567,989	36.1%
488	KU-139400- KY Tools, Shop, Garage	13,167,028	13,497,004	329,975	17,181,780	4,014,752	30.5%
495	KU-139700-KY Microwave Fiber, Other	30,586,819	30,648,172	61,352	37,435,757	6,848,937	22.4%

- a. For each plant asset account listed above, please provide the actual plant in service balances for December 31, 2014, 2015, 2016, and 2017, and each month after June 2018 through the most recent month for which actual information is available.
- b. For each plant asset account listed above, please provide a detailed explanation for the large percentage increases in projected 2020 balances compared to actual June 2018 balances. If the projected expenditures are part of an overall capital spending plan, please explain.
- c. Please provide copies of the 2018, 2019, and 2020 capital budgets in as much detail as possible. (i.e. by account number and by month if possible and provided descriptions of projects).

A.1-28.

a. See attached.

- b. See the response to part c. for a complete detailed listing of all projects that explain the increase in each account number noted above. Additionally, all capital expenditures are part of an overall capital spending plan. As such a summary of the material capital plan projects can be found in the testimony of Lonnie E. Bellar on the following pages: Generation pages 15-18 and pages 22-23, Customer Services page 35, Electric Transmission pages 37-40 and page 45, and Electric Distribution pages 48-55.
- c. See Attached.

Kentucky Utilities Company Actual Plant In Service Balances

Asset Account and Description	December-14	December-15	December-16	December-17	July-18	August-18	September-18	October-18
KU-135310- Electric Transmission-KY Station Equipment	227,081,084.27	235,865,521.25	255,742,978.54	262,381,916.83	271,541,529.35	271,805,708.21	276,619,372.12	301,143,381.76
KU-135500- Electric Transmission-KY Poles	191,004,268.30	217,460,282.55	254,919,624.79	293,544,880.56	314,147,628.31	324,650,255.51	329,222,285.54	332,318,352.12
KU-135800- Electric Transmission-KY Underground Conductors	1,161,308.75	1,173,303.32	1,118,444.17	1,299,094.40	1,300,286.24	1,301,553.53	1,302,319.28	1,302,794.00
KU-136100- Electric Distribution-KY Structures and Improvements	9,422,866.77	10,229,968.79	12,260,209.21	13,839,201.21	13,586,901.49	13,586,901.49	13,582,577.45	13,643,910.73
KU-136200- Electric Distribution-KY Station Equipment	157,771,088.39	165,097,647.80	179,319,654.05	189,587,126.75	193,839,079.78	194,217,800.87	194,089,192.87	196,610,408.73
KU-136400- Electric Distribution-KY Poles, Towers, and Fixtures	314,186,693.01	328,218,203.78	348,236,022.62	360,006,531.99	372,334,867.69	373,683,185.28	374,790,373.45	376,515,806.74
KU-136500- Electric Distribution-KY Overhead Conductors	302,213,256.44	314,130,369.14	330,937,895.98	343,945,881.33	357,601,998.16	361,030,303.09	364,339,786.39	367,727,663.13
KU-136700- Electric Distribution-KY Underground Conductors	164,909,654.02	176,115,116.09	183,994,858.12	188,227,753.08	194,459,615.36	195,318,703.47	195,830,020.10	197,181,591.58
KU-139010- General Plant-KY Structures and Improvements	34,577,218.43	38,109,953.62	40,113,507.53	43,677,215.84	45,932,138.80	46,381,751.90	46,457,842.45	46,556,529.16
KU-139400- General Plant-KY Tools, Shop, Garage Equipment	10,601,003.31	11,682,646.16	12,193,401.36	12,826,549.38	13,374,936.83	13,374,936.83	13,374,767.16	13,423,789.68
KU-139700- General Plant-KY Microwave Communication Equipment	18,501,352.24	25,314,389.18	29,113,822.67	29,399,174.47	30,586,819.19	30,586,819.19	30,595,239.43	30,586,920.04

Attachment to Response to KIUC-1 Question No. 28(c)

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Arbough

Project	Description	Depr Group	CWIP 6/30/2018	7/31/2018	R/31/2018	9/30/2018	10/31/2018	11/30/2018	12/31/2018	1/31/2019	2/28/2019	3/31/2019	4/30/2019	5/31/2019	6/30/2019	7/31/2019	8/31/2019	9/30/2019	10/31/2019	11/30/2019 1	12/31/2019	1/31/2020 :	2/29/2020 :	3/31/2020	4/30/Ar
124930	LOANED DO TO TRANS MTP KU	KU-135310- KY Station Equip -Non Sy	-		-	-	-	-	-	(3,285)	(653)	(1,496)	(892)	(1,368)	(633)	(1,149)	(1,449)	(1,398)	(3,030)	(1,560)	(1,793)	(3,116)	(597)	(977)	(427)
131338	Ghent 345kV Control House	KU-135310- KY Station Equip -Non Sy	3,646,405	(1,551)	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-			-
131355	Ghent Redesign 138kV Sub	KU-135310- KY Station Equip -Non Sy	-	2,458	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
131864 135243	CIP-KU-2017 Green River Steel 69kV Cap	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	202.530	(90) (7.068)	34,349	31.084	1.108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
137539	Tools - 2019	KU-135310- KY Station Equip -Non Sy	202,330	(7,000)	34,349	31,004	1,100					1,249	58,972	35,031	29.838	7,303					11.701				-
140096	SIMP CC V_WALL RPLC-KU-2020	KU-135310- KY Station Equip -Non Sy			-	-	-			-	-		-	-	-	-	-	-	-	-	-	-		1,338,018	-
144108	TEP-9.0MVAr,69kVCap-Paint Lick	KU-135310- KY Station Equip -Non Sy	56,103	37,701	22,974	13,784	-	-		19,044	69,573	107,632	107,632	187,156	154,146	107,632	-	-	-	-	-	-	-	-	-
144118	GR 69kV Control House Rpl	KU-135310- KY Station Equip -Non Sy	3,718,406	(129,474)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
144632	REL-Cawood 604 Brkr Addition	KU-135310- KY Station Equip -Non Sy	801,854	639	-	· ·	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
147219 147220	TEP-Hardinsburg-B. Branch Term TEP-Bonds MLawrenceburg Term	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	239	(6,049) (239)	-	22,166			-	-	-				-					-					-
147228	TEP-E-Town Term Eqp	KU-135310- KY Station Equip -Non Sy	-	(233)											-			29.615	29,615	29,615	44,615	151,036	151,036	151,036	221,536
147743	SIMP V_WALL C_RPLC-KU 2019	KU-135310- KY Station Equip -Non Sy	-		-	-	-	-		-	-			335,518	-		-	-	-	-	-	-	-	-	-
148371	REL-Earlington 604 Brkr Add	KU-135310- KY Station Equip -Non Sy	661,514	(136)	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-		-			-
149027	TEP-KU DFR 2016	KU-135310- KY Station Equip -Non Sy		(2,499)	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150644 151177	Ghent Redesign 138kV-P&C TEP-Hardin Co Xfmr Add	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	2,879,599 1,540,952	(91,747) (1.087)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151177	Mobile Control House	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	1,540,952	51.024	-	-	-		(50.844)	-	-			-	-		-	-	-			-	-	-	-
151745	REL-Warsaw 615 Switch Motor	KU-135310- KY Station Equip -Non Sy	105.897	6,969					-																-
151746	REL-Hodgenville Switch Motor	KU-135310- KY Station Equip -Non Sy	124,727	90,427	892	182				-	-	-						-							-
151754	KU Breaker Replacements	KU-135310- KY Station Equip -Non Sy		-	-	-	-	-		-	-	-	-	-	-	-	31,127	31,127	32,906	-		-			-
151761	Fawkes Firewall/Cap Bank	KU-135310- KY Station Equip -Non Sy	1,043,654	(380)	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151764 151766	KU Fence Replacements	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		19,916	19,916	19,916	19,916
151766 151777	KU SST Additions Finchville Control House	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	1,080,661	6,123	-	-	-			-	-		-		-		3,569	168,492	100,089	85,250	54,299			3,606	168,209
151814	REL-Stanford 848-615 MOS Add	KU-135310- KY Station Equip -Non Sy	1,080,001	(320)		-									-										-
152118	REL-Shannon Run Brkr Rpl	KU-135310- KY Station Equip -Non Sy		-	-	-	-			-	-	-		-			7,585	358,044	212,689	181,157	89,498	-	-		-
152119	REL-Lagrange East 604 Brkr Add	KU-135310- KY Station Equip -Non Sy	-			-				-	-	7,585	358,044	186,802	181,157	44,341	-				71,044				-
152120	REL-Munfordville Brkr Add	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,585	332,156	212,689	181,157	115,385	-	-	-	-
152141	PBR-Lynch 69kV Brkr Rpl	KU-135310- KY Station Equip -Non Sy		(2,290)	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152151 152171	PBR-West Irvine 69kV Brkr Rpl PBR-Rocky Branch 69kV Brkr Rpl	KU-135310- KY Station Equip -Non Sy	180,213	(9,681)	-	-	-	-	12.485	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152171	KU Station Grounding	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	232,276	(2,919)		-			12,485	-	-	-			-		- 1	-			-	(531)	(531)	(531)	(531)
152638	KU Online Monitoring Equipment	KU-135310- KY Station Equip -Non Sy					-			-	-	4,417	193,432	123,860	105,497	25,822	-				41,373	30,095	30,095	30,095	30,095
153370	Battery Replacements - KU	KU-135310- KY Station Equip -Non Sy										-,	-	-	-	-	20,286	20,286	20,286	20,286	20,286	15,309	15,309	15,309	15,309
153425	REL-Newton MOS Add	KU-135310- KY Station Equip -Non Sy	-		-	-	-	-		-	-	-	-	-	-		1,770	82,887	49,254	41,934	26,709	-	-	-	-
153426	REL-Waitsboro MOS Add	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-		-	-	-	-	-	-	-	1,770	82,887	49,254	41,934	26,709	-	-	-	-
153427	REL-Rockwell MOS	KU-135310- KY Station Equip -Non Sy		(4,695)	-	-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153428 153539	REL-Paris 819-615 MOS OMN-Tyrone TR1 Monitor	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	144,131 90,479	45,308 7,786	892	829	102,741	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153539	OMN-Harlan Y TR1 Monitor	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	74.337	7,786		-				-	-	-			-		- 1	-			-				-
153669	PBR-River Queen 69kV Brkr Rpl	KU-135310- KY Station Equip -Non Sy	519,498	(16,133)			-			-	-			-			-								-
153753	ROR-Spare 150 MVA Xfrmr-Pine	KU-135310- KY Station Equip -Non Sy	1,217,135	(2,159)	-	-	-			-	-	-		-			-	-			-	-	-		-
153861	POR-GRPP AC System Rpl	KU-135310- KY Station Equip -Non Sy	605,659	113,573	5,541	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
154051	PAR-American Ave GG Rpl	KU-135310- KY Station Equip -Non Sy	47,623	(57)	-	-	-	116,858	445,082	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154077	RSC-Ghent Phys Sec Upgr	KU-135310- KY Station Equip -Non Sy	1,180,905	413,057	-	-	-	-		5,844	5,844	5,844	5,844	5,844	5,844	218,573	218,573	218,573	218,573	218,573	218,573	-	-	-	-
154143 154144	RFN-Hillside Fence Rpl RFN-Leitchfield Fence Rpl	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	61,130 196,582	26,609 (6,645)	54,038	-	-	-	15,881	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154144	RFN-Indian Hill Fence Rpl	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	45,565	31,425	68,280	-			14,433	80,882	55,630	113,445					- 1	-			-				-
154147	RFN-West Lex Fence Rpl	KU-135310- KY Station Equip -Non Sy	463,725	6,824	-	-	-			-	-	-		-			-	-			-	-	-		-
154163	RSC-Hardin Co Phys Sec Upgr	KU-135310- KY Station Equip -Non Sy	1,899,259	259,215	270,940	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
154273	PCA-Artemus CC Rpl	KU-135310- KY Station Equip -Non Sy	118,439	345	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-
154274	PCA-Haefling CC/SSVT Rpl	KU-135310- KY Station Equip -Non Sy	259,958	11,060	37,708	48,791	37,708	26,625	42,167	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154275 154662	PCA-Harlan Wye CC Rpl	KU-135310- KY Station Equip -Non Sy	104,577	(37,506) 582	19,508 48 423	8,308 713	2,217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154662 154663	American Ave SSVT and 69kV PT Scott Co SST	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	215,199 217,856	4.859	48,423 17,818	713 16,909	-	-	49,873	-	-	-	-		-	-		-		-	-	-			-
155214	RFN-Hardinsburg Fence	KU-135310- KY Station Equip -Non Sy	135,242	8,733	-	-																			-
155707	FTR-GRS 138/69kV Xfmr	KU-135310- KY Station Equip -Non Sy	310,218	2,219	-	-	-			-	-	-		-			-	-			-	-	-		-
155727	PBU Carrollton 067-604	KU-135310- KY Station Equip -Non Sy	23,874	12,191	-	-	-	-		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
155728	PBU Corydon 012-614	KU-135310- KY Station Equip -Non Sy	53,783	872	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155741	Indian Hill Control House	KU-135310- KY Station Equip -Non Sy	871,729	139,066	94,663	66,644	63,379	25,542	51,906		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155854 155952	PGG-Finchville Ground Grid PBR-Paducah So 69kV Brk	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	147,193 215.699	(2,894) (1.689)	892	-	-	-	16,624	141,342	64,160	-	-	-	-	-	-	-	-	-	-	-	-	-	
156197	RFN-Lancaster Sw Fence Rpl	KU-135310- KY Station Equip -Non Sy	100,923	11.829																					-
156198	RFN-Shelbyville Fence Repl	KU-135310- KY Station Equip -Non Sy		40,996	64,232	4,056		-			-				-			-							
156263	ROR-Spare 138kV 120MVA Xfmr	KU-135310- KY Station Equip -Non Sy	285,215	1,699	762,463	56,921	-	-		-	-	-	-	-	-		-	-	-	-	-	-	-	-	-
156431	FTR River Queen 161/69kV Trans	KU-135310- KY Station Equip -Non Sy	541,764	22,171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156451	POR Shlbyvll Hook Stick Discon	KU-135310- KY Station Equip -Non Sy	13,125	11,971			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156475	FBR-Lebanon (2) 69kV Bkr RPL ROR-Spare 161kV 90 MVA Tfmr	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	324,629 14,719	71,920	4,986	4,000		- 8,918	4 070 054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156626 156638	PRTU-Haefling	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	14,719 58,437	(14,295) 48,228	11.978	1.784	8,918	8,918	1,078,064	-	-	-			-		- 1	-			-				-
156782	Ashbyburg Pump Rebuild	KU-135310- KY Station Equip -Non Sy	162,008	2,431	37,839	12,613	108,762																		-
156819	TEP-West Lexington 138kV	KU-135310- KY Station Equip -Non Sy	112,346	4,545	56,057	14,856	1,784	1,784	1,784	-	-	-		-			-	-			-	-	-		-
157213	FTR-Lebanon 138/69kV Xfmr	KU-135310- KY Station Equip -Non Sy	816,187	(9,954)	106,973	63,410				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
157437	PRLY Morganfield Relay Panels	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	32,071	32,071	32,071	37,071	32,071	-	-	-	-	-	-	-	-	-	-	-
157534	PRTU- Marion Co EKPC Tie	KU-135310- KY Station Equip -Non Sy	5,633	25,360	22,393	13,216	17,291	8,092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157535	PRTU- Russell Co. EKPC Tie	KU-135310- KY Station Equip -Non Sy	3,542	11,476	15,975	22,393	13,216	17,291	8,092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157536 157537	PRTU- North Springfield EKPC PRTU- Nelson Co EKPC Tie	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	2,341	14,867 28,880	15,975 22,393	22,393 13,216	25,175 17,291	5,108 8,092	8,092	- 1			- :	- :	- 1		- :								
157589	Elihu Surge Arresters	KU-135310- KY Station Equip -Non Sy	2,341		5,427		8,918				-				-		-	-	-			-	-	-	
157590	PAR- Pineville Surge Arresters	KU-135310- KY Station Equip -Non Sy	14,770	(515)	-,	8,918	-,510	-		-	-	-	-	-	-	-	-	-			-	-	-	-	
157592	PBU- Danville North Repl	KU-135310- KY Station Equip -Non Sy	-	-	-		25,767	33,249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157726	KU-Isolation Tools	KU-135310- KY Station Equip -Non Sy	-	10,349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157735	PIN- Morganfield Switch repl	KU-135310- KY Station Equip -Non Sy	16,044	-	6,911		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157840 157846	PBU- Elihu Xfmr bushings Mobile Capacitor Bank-KU	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-		-	31,584	-	-	-	-	-	-	183,330	183,330	183,330	183,330	183,330	183,330	183,341	183,341	183,341	-	-	-	
157846	PBU-Spencer Rd Xfmr Bushings	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-		-	32.382		- 1						- 103,330	- 103,330	- 103,330			- 103,341		- 103,341	-	-	-	-
157994	Ghent 138kV yard	KU-135310- KY Station Equip -Non Sy		33,016	574	574	574	574	574	-	-		-		-	-	-	-	-		-	-	-	-	
158019	Mobile Control House- KU	KU-135310- KY Station Equip -Non Sy	40,184	(12,765)	21,637	17,517	17,517	81,354	65,207	384,770	384,770	535,910	-	-	35,118	101,318	-	-	-	-	-	-	-	-	-

Attachment to Response to KIUC-1 Question No. 28(c) Page 2 of 12 Arbough

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158022 158068	PBR- Morganfield 614 Bkr Kit TCC OpEngExp & Training Room-K	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	13,324 36.501	-	10,701	-	-	-	-	-	-	-	-	-	-	-		-	-		-	-	-	
158072	PRTU- Russell Springs	KU-135310- KY Station Equip -Non Sy	-	25.813	34,583	27.508	7.575	(40)	(422)																-
158076	PRTU- Horse Cave Repl	KU-135310- KY Station Equip -Non Sy	-	25,813	34,583	27,508	7,575	(40)	(422)	-	-			-	-		-	-	-			-	-		-
158090	PBU- Lake Reba 604 Repl	KU-135310- KY Station Equip -Non Sy	-	-	-	9,480	-	10,701		-	-	-	-	-			-	-	-		-	-		-	-
158113	PBU- Earlington North 634 Repl	KU-135310- KY Station Equip -Non Sy	-	-	-	-		-	9,788	5,157	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158150 158151	PBU- Paris Brkr 021-704 PBU- Haefling Brkr 604	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	-	7,627		9,175	20,065	5,351 5,351	-	-		-	-		-	-	-	-		-	-		-	-
KARREST17	KU Arrester Replacements 2017	KU-135310- KY Station Equip -Non Sy	1.562	24,884	7,027		-	20,005										-				-			-
KOTFAIL17	KU-OtherFail-2017	KU-135310- KY Station Equip -Non Sy	255,294	29,016	5,325	71,343	-	-		-	-		-	-				-	-		-	-		-	-
KOTFAIL18	KU-OtherFail-2018	KU-135310- KY Station Equip -Non Sy	162,332	(55,860)	-		-	-		-	-	-	-	-			-	-	-		-	-		-	-
KOTFAIL19	KU-OtherFail-2019	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	46,754	46,754	46,754	46,754	46,754	46,754	119,913	119,913	119,913	119,913	119,913	119,913	-			
KOTFAIL20 K-OTHER15	KU-OtherFail-2020 KU-Other-2015	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	7.208	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83,333	83,333	83,333	83,333
KOTPR17	KU Other Prot Blanket 2017	KU-135310- KY Station Equip -Non Sy	566.690	46,788																					-
KOTPR19	KU Other Prot Blanket 2019	KU-135310- KY Station Equip -Non Sy	-	-			-	-			-	-				-	556	26,259	15,600	13,286	8,463	-			-
KRELAY-17	Relay Replacements-KU-2017	KU-135310- KY Station Equip -Non Sy	1,017,028	(5,102)	-		-	-		-	-	-	-	-			-	-	-		-	-		-	-
KRTU-15	KU RTU Replacements-15	KU-135310- KY Station Equip -Non Sy	7,835	935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
KRTU-16 KRTU-20	KU RTU Replacements-16 KU RTU Replacements-20	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	1,991,952	2,499	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	139.318	139.318	139.318	139.318
KSTSVC12	STATION SERV XFMRS KU-12	KU-135310- KY Station Equip -Non Sy	365.347	403	1.784	31.084	31.084	26.625	8.918			-				-					-	133,310	133,310	133,310	-
SU-000004	Princeton CH, Arresters & DFR	KU-135310- KY Station Equip -Non Sy	19,425	54,366	55,033	55,033	55,033	55,033	220,920	180,377	349,328	349,328	220,305	76,369	226,002	-		-				-			-
SU-000006	PBR-Taylor Co (3) 69kV BKR Rpl	KU-135310- KY Station Equip -Non Sy	573,936	28,201	38,985		-	-		-	-	-	-	-			-	-	-		-	-		-	-
SU-000009	PBR-Bonnieville(3) 69kV BKRRpl	KU-135310- KY Station Equip -Non Sy	861,282	20,429	237,432		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000011 SU-000012	PBR-Clinton(3) 69kV BKR Rpl PBR-DxDamPInt (3) 69kV BKR Rpl	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	846,885 354,606	(3,041) 6,145	-	10,000	-	-		-	-		-	-		-	-	-	-		-	-		-	-
SU-000012	PBR-Kenton (2) 69kV BKR Rpl	KU-135310- KY Station Equip -Non Sy	1,186,237	68,337	3,567		-	-										-				-			-
SU-000021	PAR-WClff Arsts604,614,624,634	KU-135310- KY Station Equip -Non Sy	-	4,710	45,028		-	-		-	-		-	-				-	-		-	-		-	-
SU-000022	PCA-Carrollton CC704, 714, 744	KU-135310- KY Station Equip -Non Sy	-	8,395	8,395	8,395	8,395	8,395	58,764	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
SU-000023	PCA-Clark Co CC (724)	KU-135310- KY Station Equip -Non Sy	1,557	10,552	6,217	6,217	1,784	27,824	72,901	3,338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000026 SU-000030	PPLC-Hardinsburg 704 PGG-HgbvMill GG Audit/Rmdatn	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	23,555	6,296	6,296	6,701		31,481	92,384	101,347	54.506	83.322	-	-	-	-	-	-	-	-	-	-	-	
SU-000030	PGG-LxPInt GG Audit/Remdiation	KU-135310- KY Station Equip -Non Sy	58.709	(16.558)	78.356	3.567		44.332	35.133	92,364	101,547	34,300	03,322												
SU-000033	PGG-Rodburn GG Audit/Rmdiation	KU-135310- KY Station Equip -Non Sy	105,798	45,709	1,784	-	-	-	-	-	-			-	-		-	-	-			-	-		-
SU-000035	RST-Higby Mill SSVT Add	KU-135310- KY Station Equip -Non Sy	270	32,083	11,083	11,083	140,491	13,985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000036	RST-Paris SSVT Add	KU-135310- KY Station Equip -Non Sy	26,199	15,335	10,892	4,433	-	97,480	11,159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000037 SU-000040	RST-Pisgah SSVT Add PBR-Pineville (1) 345kV	KU-135310- KY Station Equip -Non Sy	28,456 1.988	15,446 300.037	13,109	4,433	98,151 7.325	6,609 4,554	1,662 4,554	5.360	38.644	- 37.160	121.602	20.662	-	8.595	-	-	-	-	64.397	-	-	-	-
SU-000040 SU-000043	PBR-Pelvinta (4) 138kV BKR	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	1,269,917	242.648	33,249	21,179	7,325	4,554	4,554	5,360	38,644	37,160	121,602	20,662		8,595					64,397				
SU-000043	PBR-Howard Branch(1) 138kV BKR	KU-135310- KY Station Equip -Non Sy	1,203,517	27,707	38,790	11,083				66,667	66,667	66.667													-
SU-000048	PBR-Bonds Mill (2) 69kV BKR	KU-135310- KY Station Equip -Non Sy	380,963		-	-			-	-	-	-	-	-	-	-		-	-	-	-	-	-		-
SU-000050	PBR-London(5) 69kV BKR	KU-135310- KY Station Equip -Non Sy	945,811	46,935	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000056	RSC-Pineville Sec Upgr	KU-135310- KY Station Equip -Non Sy	684,937	57,711	8,866	8,866	8,866	5,541	149,269	133,830	305,965	374,566	481,016	-	-	-	-	-	-	-	-	-	-	-	-
SU-000064 SU-000066	PRLY-Adams 108-614-634 PRLY-Dorch 072-604 Panel	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	122,132	56,125 23,548	75,043 17,300	7,758 17,300	34,371	(5,487)	(32)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000088	REL Bromley 29-605/615/635 MOS	KU-135310- KY Station Equip -Non Sy	-	23,340	17,500	17,500	34,371	(3,467)	(32)	10,833	10,833	10.833	10.833	10.833	10.833	10.833	10.833	10.833	10.833	10.833	10.833	-			-
SU-000081	REL-Dix Dam 25-624 Recloser	KU-135310- KY Station Equip -Non Sy			-					14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	-			
SU-000082	REL-E Frankfort 69kV Bus Tie	KU-135310- KY Station Equip -Non Sy		-	-	-	-	-	-	54,083	54,083	54,083	54,083	54,083	54,083	54,083	54,083	54,083	54,083	54,083	54,083	-	-	-	-
SU-000084	REL-Loudon DFR	KU-135310- KY Station Equip -Non Sy	-		-	-	-	-	-	16,750	16,750	16,750	16,750	16,750	16,750	16,750	16,750	16,750	16,750	16,750	16,750	-	-	-	-
SU-000086	REL-Okonite RTU	KU-135310- KY Station Equip -Non Sy		-	-	-	-	-	-	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	14,333	-	-	-	-
SU-000093 SU-000096	PRBrown Plant 117-744 Panel REL Gorge	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	126,709	46,353	63,960	9,975				26.833	26.833	26.833	26.833	26.833	26.833	26.833	26.833	26.833	26.833	26.833	26.833	-			-
SU-000097	REL-Danville East 834-605 MOS	KU-135310- KY Station Equip -Non Sy	-							5,406	5,406	5.406	5,406	5,406	5,406	5.406	5.406	5.406	5.406	5.406	42.506				-
SU-000099	TEP-Somerset South Cap Bank	KU-135310- KY Station Equip -Non Sy	-	-	-		-	-		-	-	-	-	-	-	155,332	155,332	155,332	155,332	155,332	257,332	-		-	-
SU-000104	PPLC 072-804 DCB	KU-135310- KY Station Equip -Non Sy	-		-		-	-	126,089	-	-	-	-	-			-	-	-		-	-		-	-
SU-000105	PPLC 217-714 DCB	KU-135310- KY Station Equip -Non Sy	-	-	-	-	50,373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000106 SU-000107	PPLC 136-714 DCB PPLC 165-764 DCB	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	-		-	50,373	-	50.376	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000107	PPLC 103-764 DCB PPLC 009-872/884	KU-135310- KY Station Equip -Non Sy	-		-	25,188	25,188	25,188	25,188									-				-			-
SU-000109	PPLC 009-794 DCB	KU-135310- KY Station Equip -Non Sy	55,014	(3,621)		-	-	-	-		-	-				-		-				-			-
SU-000111	PPLC 100-714 DCB	KU-135310- KY Station Equip -Non Sy	42,066	(4,133)	-		-	-		-	-	-	-	-			-	-	-		-	-		-	-
SU-000113	PPLC 178-718 Com	KU-135310- KY Station Equip -Non Sy	-	-	-	-	50,373	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000114 SU-000116	PPLC-Cloverport 3850/3854 DCB PPLC 150-834/836	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-						100,740	4.167	4.167	4.167	4.167	4.167	4.167	4.167	4.167	4.167	4.167	4.167	4.167			-	
SU-000117	PPLC 032-814 DCB	KU-135310- KY Station Equip -Non Sy	-							4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167				-
SU-000118	PPLC 066-744	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	-	-	-	-
SU-000119	PPLC 071-608 DTT	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	13,605	13,605	13,605	13,605	8,503	8,503	8,503	8,503	11,904	11,904	11,904	11,904	-	-	-	-
SU-000120	PPLC 162-804 DCB	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	-	-	-	-
SU-000122 SU-000123	PPLC 222-704 DCB PPLC 085-714 DCB	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy			-					4,167 4,167	4,167 4,167	4,167 4,167	4,167 4,167	4,167 4,167	4,167 4,167	-			-						
SU-000124	PPLC 203-814 DTT	KU-135310- KY Station Equip -Non Sy			-					4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	4,167	-			
SU-000139	PR Arnold 121-604 Panel	KU-135310- KY Station Equip -Non Sy	56,394	42,384	100,355	32,608	124,651	2,892	2,892	10,820	-	-	-	-	-	-	-	-	-	-	-	-		-	-
SU-000140	PRLY Carrolton 067-624	KU-135310- KY Station Equip -Non Sy	903	27,575	44,322	1,784	1,784	19,567	5,161	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
SU-000144	PR Dix Dam Plant 025-604 Panel	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	26,768	21,768	21,768	21,768	13,605	13,605	13,605	13,605	19,047	19,047	19,047	19,047	-	-	-	-
SU-000146 SU-000148	PR Grn Rvr Steel 100-604 Panl PRTU Munfordsville (EKP)	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	3.849	16.493	11,975	17.960	4.000	25.399	13.200	26,768	21,768	21,768	21,768	13,605	13,605	13,605	13,605	19,047	19,047	19,047	19,047	-	-	-	-
SU-000148	PRTU Muntordsville (ERP) PRTU Columbia (EKP)	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	3,849	17,726	11,975	17,960	4,000	25,399	13,200	-	-		-	-	-	-	-		-	-	-		-	-	-
SU-000150	PRTUMackville (EKP)	KU-135310- KY Station Equip -Non Sy	8,227	11,330	11,975	17,960	4,000	25,399	13,200															-	
SU-000151	PRTU Avon N83 (EKP Tie)	KU-135310- KY Station Equip -Non Sy	40,184	12,315	13,299	13,299	-	2,217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000152	PRTU E Bardstown (EKP Tie)	KU-135310- KY Station Equip -Non Sy	59,102	5,822			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000153 SU-000154	PRTU Green Co. (EKP Tie) PRTU Hodgenville (EKP Tie)	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	64,172 59,603	2,070 7,312	27,616	7,325	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000154 SU-000155	PRTU Hodgenville (EKP Tie) PRTU Stephensburg (EKP Tie)	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	59,603 36,651	7,312 4,110	8,000	-	19,949			-	-	-	-	-	-	-	-		-		-	-	-	-	-
SU-000156	PRTU Laurel Co. (EKP Tie)	KU-135310- KY Station Equip -Non Sy	-	-,110	-	-		99,008	-	-	-	-	-	-	-		-		-	-		-	-	-	-
SU-000165	PRTU Owen Co. (EKP Tie)	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-		-	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	-	-	-	-
SU-000166	PRTU Renaker (EKP Tie)	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	-	-	-	-
SU-000167	PRTU Falmouth (KU Load on EKP)	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	-	-	-	-
SU-000168 SU-000169	PRTU Revelo (KU Load on EKP) PRTU Whtly City-KU Load on EKP	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	12,500 12,500	12,500	12,500 12,500	12,500 12,500	12,500 12,500	12,500 12,500	-	-	-	-						
SU-000170	PRTU Shelby Co * (EKP Tie)	KU-135310- KY Station Equip -Non Sy	-		-					12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500	12,500				
SU-000178	REL-Lebanon West 138 RTU	KU-135310- KY Station Equip -Non Sy	5,117	27,517	23,949	49,718	50,631	8,676	18,826	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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SU-000180 SU-000181	REL-Shadrack 138 RTU TEP-Adms-Delapin 69kV Term Egp	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	7,146 77.343	31,753 (54,935)	17,758 3,108	106,648 3.877	80,225 86,883	5,567 31,274	1,547 51,383	3,944		- 1	- 1		-		-		-		-	-			-
SU-000188	TEP-Bnesboro N-Wnchstr 69kV Br	KU-135310- KY Station Equip -Non Sy	93,415	80,539	-	-	-	-	-	-									-						-
SU-000195	TEP-Elihu 161/69kV CT Settings	KU-135310- KY Station Equip -Non Sy		-						381	381	381	381	381	381	381	381	381	381	381	881				-
SU-000196	TEP-Etown-Etown 4 69kV Trm Eqp	KU-135310- KY Station Equip -Non Sy			-		-			-	-		8,897	8,897	5,561	5,561	7,785	7,785						-	-
SU-000198	TEP-Frly-Lib Chrch 69kV Trm Eq	KU-135310- KY Station Equip -Non Sy	21,216	1,798	3,325	-	67,176	17,975	14,650	-	-	-	-	-		-		-	-	-	-	-	-	-	-
SU-000199	TEP-Haefling-Spindletop Trm Eq	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	381	381	381	381	381	381	381	381	381	381	381	881	-	-	-	-
SU-000200	REL-Hardesty 69 RTU	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	8,071	8,071	8,071	8,071	8,071	8,071	8,071	8,071	8,071	8,071	8,071	18,671	-	-	-	-
SU-000205	TEP-Meredith 138kV Capacitor	KU-135310- KY Station Equip -Non Sy	75,296	37,296	13,784	24,749		313,101		88,427	74,538	140,181	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000206	TEP-Middlesboro 69kV Capacitor	KU-135310- KY Station Equip -Non Sy	49,474	17,426	30,096	25,501	25,501	2,527	184,785	55,630	80,107	114,432										-	-	-	-
SU-000208 SU-000209	REL-Reynolds Breaker Line Prot REL-Rumsey 69 RTU	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	34,874 8.376	80,674 19,376	-	-	-	-
SU-000209	REL-Salem 69 RTU	KU-135310- KY Station Equip -Non Sy								9.213	9,213	9.213	9.213	9,213	9,213	9.213	9,213	9.213	9.213	9,213	21.313				
SU-000213	REL-Simmons 69 RTU	KU-135310- KY Station Equip -Non Sy	_							8,071	8,071	8.071	8,071	8,071	8,071	8,071	8,071	8,071	8,071	8.071	18,671				-
SU-000217	TEP-Tyrone 138/69kV Bushing CT	KU-135310- KY Station Equip -Non Sy	-							381	381	381	381	381	381	381	381	381	381	381	881				-
SU-000218	REL-UK Scott Street 69 RTU	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	9,213	9,213	9,213	9,213	9,213	9,213	9,213	9,213	9,213	9,213	9,213	21,313	-	-	-	-
SU-000219	REL-Wisn Dwng 899-625/615 MOS	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	8,147	8,147	8,147	8,147	8,147	8,147	8,147	8,147	8,147	8,147	8,147	18,847	-	-	-	-
SU-000236	TEP-Gtown-Lmns MII 69kV Lne Sw	KU-135310- KY Station Equip -Non Sy	59,885	4,527	110,793	75,390	11,108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000243	PBR-Wickliffe (4) 69kV BKR Rpl	KU-135310- KY Station Equip -Non Sy	705,181	175,033		49,873		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000244	PRLY-Hardinsburg 714	KU-135310- KY Station Equip -Non Sy	452.500	(24.204)	22,163	77,110	(146)	(291)	(7,897)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SU-000246 SU-000247	TEP-Bardstwn 138/69kV Xfmr Rpl LEX UNDRGD-PHASE 1 SUBS	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	452,560	(21,304) 118,785	38,790	152,658	8,918	117,530	108,664	176,303	176,303	9,202	9,202	9,202	9,202	9,202	9,202	9,202	9,202	9,202	6,652	-	-		-
SU-000247	TEP-Artemus(1)69kV Brk.PAR.PIN	KU-135310- KY Station Equip -Non Sy	307,411	110,703	188,196	132,036	0,910	117,550	100,004	(16,250)	3.750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750				-
SU-000248	PCA-Boonesboro North	KU-135310- KY Station Equip -Non Sy	-							29,914	32,583	-	3,730	-	-	3,730	-	-	-	-	3,730				-
SU-000250	PCA-CC Pull Forward	KU-135310- KY Station Equip -Non Sy			-		-			8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330			-	-
SU-000251	PCA-Delvinta CC (814,824,834)	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	8,330	-	-	-	-
SU-000252	PCA-East Frankfort Arresters	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	-	13,346	13,346	35,589	44,487	26,692	13,346	8,897	3,559	-	-	-	-	-	-	-
SU-000253	PCA-Morganfield 69 kV bus	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	35,477	29,477	29,477	29,477	18,423	18,423	18,423	18,423	25,792	25,792	25,792	25,792	-	-	-	-
SU-000254	PCA-Spencer Road	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	(43,750)	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	6,250	-	-	-	-
SU-000255	PCA-UK Med Center 69 kV bus	KU-135310- KY Station Equip -Non Sy	-	-	-				-	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	-	-	-	-
SU-000256 SU-000257	PGG-Pittsburg GG PGG-Rogersville GG	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	-	-					20,830	20,830	20,830	20,830	20,830	20,830	50,000 20,830	50,000 20,830	50,000 20,830	50,000 20,830	50,000 20,830	50,000 20.830				
SU-000257 SU-000258	PGG-Rögersville GG PIN-Millershurg 69kV+	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-							20,830	20,830	20,830	20,830	20,830	20,830	20,830	20,830	20,830	20,830	20,830	20,830				
SU-000258	REL LaGrange E 897-605/615 MOS	KU-135310- KY Station Equip -Non Sy	-		-					8,920	8,920	8,920	8,920	8,920	8,920	8,920	8,920	8,920	8,920	8,920	8,920				
SU-000281	REL Gtwn 669-605/615 MOS	KU-135310- KY Station Equip -Non Sy			-		-			10,167	10,167	10,167	10,167	10,167	10,167	10,167	10,167	10,167	10,167	10,167	10,167			-	-
SU-000305	PBR- Bimble (3) 69kV PIN PAR	KU-135310- KY Station Equip -Non Sy	-		-				164,264	151,310	127,213	81,181	10,650						-			-		-	-
SU-000309	RST-Lake Reba SSVT	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	9,070	9,070	9,070	9,070	5,669	5,669	5,669	5,669	7,936	7,936	7,936	7,936	-	-	-	-
SU-000310	RST-Lansdowne SSVT	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	9,070	9,070	9,070	9,070	5,669	5,669	5,669	5,669	7,936	7,936	7,936	7,936	-	-	-	-
SU-000316	PGG-Taylor Co. Fence	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	44,279	36,279	36,279	36,279	22,675	22,675	22,675	22,675	31,745	31,745	31,745	31,745	-	-	-	-
SU-000317	PGG-Pittsburg GG Audit	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	18,140	18,140	18,140	18,140	11,337	11,337	11,337	11,337	15,872	15,872	15,872	15,872	-	-	-	-
SU-000328 SU-000329	PRTU-Bracken Co. EKP Tie PRTU-Murphysville EKP Tie	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	-	-		-	-	-	10,884 10.884	10,884 10.884	10,884	10,884 10.884	6,802 6,802	6,802 6.802	6,802 6,802	6,802 6,802	9,523 9.523	9,523 9,523	9,523 9,523	9,523 9,523	-	-		-
SU-000330	PRTU-Whitley City	KU-135310- KY Station Equip -Non Sy								10,884	10,884	10,884	10,884	6,802	6,802	6,802	6,802	9,523	9,523	9,523	9,523				-
SU-000330	PRTU-Somerset EKP Tie	KU-135310- KY Station Equip -Non Sy								10,004	10,004	10,884	10,884	10.884	10.884	6.802	6.802	6.802	6.802	9,523	28.570				
SU-000332	PRTU-Garrard KU Load on EKP	KU-135310- KY Station Equip -Non Sy		-	-	-	-	-		-	-	10,884	10,884	10,884	10,884	6,802	6,802	6,802	6,802	9,523	28,570	-			
SU-000333	PRTU-Keoke TVA Load	KU-135310- KY Station Equip -Non Sy	-		-					-	-	10,884	10,884	10,884	10,884	6,802	6,802	6,802	6,802	9,523	28,570	-			-
SU-000334	PRTU-Owingsville KU Load on EK	KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	-	-	10,884	10,884	10,884	10,884	6,802	6,802	6,802	6,802	9,523	28,570	-	-	-	-
SU-000353	TEP-Spencer Road 69kV Cap Bank	KU-135310- KY Station Equip -Non Sv								8.897	8.897	8.897	26.692	26.692	44,487	44.487	64.061					137.119	137.119	152.158	-
		KO-133310- KT Station Equip -Non Sy	-						-	8,897	0,037	8,897	20,092	20,092	44,487	44,487	64,061	44,487	44,487	44,487	44,487	137,119	157,119		
SU-000377	PBR-Lebanon W (1) BKR	KU-135310- KY Station Equip -Non Sy		-	-	-	-	-	-	-	-	8,897	8,897	8,897	8,897	13,346	13,346	13,346	44,487 8,897	44,487 8,897	44,487 8,897	57,502	61,925	-	-
SU-000389	PRLY-Spencer Rd 018-618	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-		-	-	-	-	-	14,236	14,236	8,897 14,236	8,897 8,897	8,897 8,897	8,897 8,897	13,346 12,456	13,346 12,456	13,346 12,456						-	-
SU-000389 SU-000390	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-		-	-	-	-	-	-	-	8,897 14,236 4,745	8,897 8,897 2,966	8,897 8,897 2,966	8,897 8,897 2,966	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -				-	-
SU-000389 SU-000390 SU-000393	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	-	-	-	-	-	-	-	- 14,236 4,745 -	14,236 4,745	8,897 14,236 4,745 949	8,897 8,897 2,966 949	8,897 8,897 2,966 949	8,897 8,897 2,966 593	13,346 12,456	13,346 12,456	13,346 12,456						-	-
SU-000389 SU-000390 SU-000393 SU-000394	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matnzas-Wilsn 161kV Trm Eq	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy			-	-		-	- - - - - 9 637	- 14,236 4,745 - 6,228	14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					-
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matnzas-Wilsn 161kV Trm Eq RST-Lake Reba SSVT-	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	- - - - - - - - - - - - - - - - - - -		-	-		-	- - - - - 9,632	- 14,236 4,745 -	14,236 4,745	8,897 14,236 4,745 949	8,897 8,897 2,966 949	8,897 8,897 2,966 949	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -				-	-
SU-000389 SU-000390 SU-000393 SU-000394	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matnzas-Wilsn 161kV Trm Eq	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	- - - - - - - 307,164 978,800	-	-	- - - - -	-	-	- - - - - 9,632 -	- 14,236 4,745 - 6,228	14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -				-	- - - - - -
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Visdhi 69kV Trm Eq TEP-Matnzas-Wilsn 161kV Trm Eq RST-Lake Reba SSVT- PBR-Ohio County 69kV Brkr Rpl ROR-Spare Xfrm 2016-KU Green River CeR/Switch Rpl	KU-135310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy		-		- - - - - - -		-	9,632 -	- 14,236 4,745 - 6,228	14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					- - - - - - -
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Visdhi 69kV Trm Eq TEP-Matnzas-Wilsn 161kV Trm Eq RST-Lake Reba SSVT- PBR-Ohio County 69kV Brkr Rpl ROR-Spare Xfrm 2016-KU Green River C&P/Switch Rpl KU Other Prot Blanket 2016	KU-133310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	978,800 830,908 390			-		-	- - - - - 9,632 - - -	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -				-	-
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vixishi G9kV Trm Eq TEP-Matrusa-Wilson 161kV Trm Eq TEP-Matrusa-Wilson 161kV Trm Eq SET-Lake Reba S5VT- PBB-Dibi County 69kV Brkr Rpl ROR-Spare Krm 2016-KU Green River C&P/Switch Rpl KU Other Prot Blanket 2016 KU RTU Replacements-17	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy	978,800 830,908 390 492,665	-		-		-	- - - - - 9,632 - - -	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -				-	-
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815	PRIV'S pencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Viscalth 69N/7 Fm Eq RST-Lake Reba SSVT- PBR-Ohio County 69N/9 Fr Rpl RON-Span XFm 2016- KU Green River C&P/Switch Rpl KU Other Prot Blanket 2016 KU RTU Replacements-17	KU-133310- KY Station Equip -Non Sy KU-133310- KY Station Equip -Non Sy	978,800 830,908 390 492,665 134,773	-		-			9,632 - - - - - - - -	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -				-	
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222	PRILY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vixishi G9kV Trm Eq TEP-Matrusa-Wilsn 151kV Trm Eq TEP-Matrusa-Wilsn 151kV Trm Eq RST-Lake Reba SSVT PBR-Ohio County 69kV Brir Rgl ROR-Spare Krm 2016- KU Green River C&P/Switch Rgl KU Other Prot Blanket 2016 KU RTU Replacements-17 REL-Somerset N 32-605 Motor TEP-Ellin 818 Rd Brir Rgl	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy	978,800 830,908 390 492,665 134,773 294,660	-					9,632 - - - - - - - - -	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -				-	
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14	PRIVS-pencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Viscalth 69N/7 Frm Eq RST-Lake Reba SSVT- PBR-Ohio County 69N/9 Mor Rpl RON-Spanx RTm 2016- RU Green River C&P/5witch Rpl KU Other Prot Blanket 2016 KU RTV Replacements-17 EL-Somerse Rt 92-605 Motor TEP-Elihu 814 Brkr Rpl KU Other Prot Blank 2014	KU-133310- KY Station Equip -Non Sy KU-133310- KY Station Equip -Non Sy	978,800 830,908 390 492,665 134,773 294,660 25,541	-					- - - - 9,632 - - - - - -	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-8yle C-Visidh G9kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq ST-1ake Reba SSVI- Prefix Rgl ROR-Spare Xfm 2016- KU Green River C&P/Switch Rgl KU Other Prot Banket 2016 KU RTU Replacements-17 REL-Somerise N 92-605 Motor TEP-Ellin 818 Hork Rgl KU Other Prot Bank 2014 Spare 138/69 1854WA Xfmrs-2016	KU-133310- KY Station Equip - Non Sy KU-135310- KY Station Equip - Non Sy	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835						- - - - 9,632 - - - - - - -	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14	PRIVS-pencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Viscalth 69N/7 Frm Eq RST-Lake Reba SSVT- PBR-Ohio County 69N/9 Mor Rpl RON-Spanx RTm 2016- RU Green River C&P/5witch Rpl KU Other Prot Blanket 2016 KU RTV Replacements-17 EL-Somerse Rt 92-605 Motor TEP-Elihu 814 Brkr Rpl KU Other Prot Blank 2014	KU-133310- KY Station Equip -Non Sy KU-133310- KY Station Equip -Non Sy	978,800 830,908 390 492,665 134,773 294,660 25,541							- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-000389 SU-000390 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16	PRLY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vixishi 99kV Trm Eq TEP-Matrusa-Wilson 161kV Trm Eq TEP-Matrusa-Wilson 161kV Trm Eq ST-Lake Reba SSVT- PBR-Diho County 66kV Brkr Rpl ROR-Spare Xfrm 2016-KU Green River C&P/Switch Rpl KU Other Prot Blanket 2016 KU RTU Replacements-17 REL-Somerset N 92-605 Motor TEP-Elihu BLB Brkr Rpl KU Other Prot Blank 2014 Spare 138/69 1858MVA Xfrm-2016 KU Other Prot Blank 2014 Spare 138/69 1858MVA Xfrm-2016	KU-133310- KY Station Equip -Non Sy KU-133310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260							- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-000389 SU-000393 SU-000393 SU-000395 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAL16 155704 155875 151748	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TPP-8yle C-Wischl 69kV Trm Eq TFP-Matraza-Wilsn 151kV Trm Eq TFP-Matraza-Wilsn 151kV Trm Eq TFP-Matraza-Wilsn 151kV Trm Eq TFP-Matraza-Wilsn 151kV Trm Eq Green River C&P/Switch Rpl KU Other Prot Banket 2016 KU RTU Replacements-17 REL-Somerst N 97-605 Motor TEP-Elihu 814 Brkr Rpl KU Other Prot Bankt 2016 KU GWAW ATMINISTRATION FOR TEP-Elihu 814 Brkr Rpl KU Other Prot Bank 2014 Spare 138/69 1504 KU OtherFail-2016 KU-OtherFail-2016 KU-OtherFail-2016 KU-OtherFail-2016	KU-133310- KY Station Equip -Non Sy KU-133410- KY Station Equip -N	976,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484							- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-00389 SU-000393 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748	PRILY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Vixishi 99kV Trm Eq TEP-Matrusa-Wilsn 151kV Trm Eq TEP-Matrusa-Wilsn 151kV Trm Eq ST-Lake Reba SSVT PBR-Ohlo County 69kV Brir Rgl ROR-Spare Krm 2016- KU Green River C&P/Switch Rgl KU Other Prot Blanket 2016 KU Other Prot Blanket 2016 KU TU Replacements-17 REL-Somerset N 92-605 Motor TEP-Elillu 818 Brir Rgl KU Other Prot Blank 2014 Spare 13/69 185MV A Kfmr-2016 KU Other Frot Blank 2014 COR COVT and Wave Traps-KU PBU Ghent 165 Substation KU Park-Greasy Env Mods KU Park-Greasy Env Mods KU Park-Greasy Env Mods KU PBC-GCCATT and Wave Traps-KU PBC GCMT and Subshing Rgl-KU	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135410- KY Station Equip-No	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 75,813						9,632 	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-000389 SU-000393 SU-000393 SU-000395 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFALI6 155704 155875 151748 155249 KREL-FL17	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matrasa-Wilsn 161kV Trm Eq TEP-Matrasa-Wilsn 161kV Trm Eq ST-Lake Reba SSVY-Pres PR-PP-PR-PR-PR-PR-PR-PR-PR-PR-PR-PR-PR-P	KU-133310- KY Station Equip -Non Sy	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 75,813 4,227							- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-000389 SU-000393 SU-000393 SU-000394 SU-000395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748 155249 KREL-FLI7 144338	PRILY-Spencer Rd 018-618 REL-IBM 617 MOS TEP-Byle C-Viskohl G9V Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq ST-Lake Reba SSVI- PBR-Ohlo County 69kV Brir Rpl ROR-Spare Xfm 2016- KU Green River C&P/Switch Rpl KU Other Prot Banket 2016 KU RTU Replacements-17 REL-Somersen N 2-605 Motor TEP-Elihu 818 Brir Rpl KU Other Prot Banket 2016 KU Other Frot Banket 2016 KU Other Frot Banket 2016 KU Other Frot Substation KU Park-Greasy Erw Mods FOR Curritown Bushing Rpl-kU KU Role y Fallures-2017 Forown N CIP Security Upgrids	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135410- KY Station Equip-No	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 75,813 4,227							- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAL16 155704 155875 151748 155249 KREL-EL17 144338 153668	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq RST-Lake Reba SSVT- Brker RJP PRB-Ohlo County 69kV Brkr Rpl RON-Span XFm 2016- KU Green River C&P/Switch Rpl KU Other Prot Bahaket 2016 KU RTU Replacements-17 REL-Somerst N 92-605 Motor TEP-Elihu 81.4 Brkr Rpl KU Other Prot Bahaket 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Park-Greasy Frem Mods FOR Carmfown Bushing Rpl-KU KU Relay Falliure-2.017 Brown N CIP Security Upgrds BR-Bardstown Se/BKV Brkr Rpl	KU-133310- KY Station Equip -Non Sy KU-133310- KY Station Equip -Non Sy	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 126,697 484 75,813 4,227 1,874,854 691,787							- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748 155249 KREL-FL17 144338 153668 153668	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TPP-8yle C-Vischi G9kV Trm Eq TPP-Matrusa-Wilso 161kV Trm Eq TPP-Matrusa-Wilso 161kV Trm Eq TPP-Matrusa-Wilso 161kV Trm Eq TPP-Matrusa-Wilso 161kV Trm Eq Green River C&P/Switch Rpl KU Other Prot Bahaekt 2016 KU RTU Replacements-17 REL-Somerset N 92-605 Motor TPP-Ellhu 31k Brkr Rpl KU Other Prot Blanket 2016 KU GND Frot Blanket 2016 KU GND Frot Blanket 2016 KU GND Frot Blanket 2016 KU Other Prot Blanket 2016 FOR CCVT and Wave Traps-KU PBU Ghent 165 Substation KU Park-Greasy From Mods FOR Carmtown Bushing Rpl-KU KU Relay Failuret-2017 FORM N CIP Security Upgrds PBR-Bardstown Sw 69kV Rdr Rpl West Cliff Monitor	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135410- KY Station Equip-No	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 75,813 4,227 1,874,854 691,787						9,632	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-00339 SU-00399 SU-00393 SU-00393 SU-00395 SU-00395 152147 153890 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAL16 155704 155875 151748 155249 KREL-FL17 144338 1534668 151468 KRTU-14	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq RST-Lake Reba SSVT- Brker RJP PRB-Ohlo County 69kV Brkr Rpl RON-Span XFm 2016- KU Green River C&P/Switch Rpl KU Other Prot Bahaket 2016 KU RTU Replacements-17 REL-Somerst N 92-605 Motor TEP-Elihu 81.4 Brkr Rpl KU Other Prot Bahaket 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Other Prot Bahak 2014 Spare 138/69 185MVA Xfmr-2016 KU Park-Greasy Frem Mods FOR Carmfown Bushing Rpl-KU KU Relay Falliure-2.017 Brown N CIP Security Upgrds BR-Bardstown Se/BKV Brkr Rpl	KU-135310- KY Station Equip -Non Sy KU-13540- KY Station Equip -No	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 4,227 1,874,854 691,787 94,727 (6,868)						9,632	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748 155249 KREL-FL17 144338 153668 153668	PRILY-Spencer Rd 018-618 REL-19M 617 MOS TEP-Byle C-Viscidh 69kV Trm Eq TEP-Matrizas-Wilsn 161kV Trm Eq RST-Lake Reba SSVT- Brek RPI PBR-Ohlo County 69kV Brk RpI ROK-Span XFm 2016- KU Green River C&P/Switch RpI KU Other Prot Bahaket 2016 KU RTU Replacements-17 REL-Somers Rd 192-605 Motor TEP-Elihu 81.8 Brk RpI KU Other Prot Bahaket 2016 KU Other Prot Bahaket 2016 FU Other Prot Bahaket 2017 FU Other Prot Bahaket 2016 FU Oth	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135410- KY Station Equip-No	978,800 830,908 390 492,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 75,813 4,227 1,874,854 691,787		182,289				9,632	- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -					
SU-00389 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL6 155704 155875 151748 155249 KREL-FL17 144338 153668 KRTU-14 14438 KREL-FL17	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TPP-8yle C-Wischl 69kV Trm Eq TPF-Matrusa-Wilso 151kV Trm Eq TPF-Matrusa-Wilso 151kV Trm Eq TPF-Matrusa-Wilso 151kV Trm Eq TPF-Matrusa-Wilso 151kV Trm Eq TPF-Not County 69kV Brit Rgl ROR-Spanz Krm 2016- KU Green River C&P/Switch Rgl KU Other Prot Blanket 2016 KU RTU Replacements-17 REL-Somerset N 92-605 Motor TEP-Elihu 814 Brkr Rgl KU Other Prot Blanket 2016 KU HOR Prot Blank 2016 KU Other Prot Blank 2017 Row Ror Ram 2016 KU Partice Prot Rel	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-No	978,800 830,908 390 492,665 134,4773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 75,813 4,227 1,874,854 6,868) 79,853 862,057							- 14,236 4,745 - 6,228	- 14,236 4,745 - 6,228	8,897 14,236 4,745 949 3,893	8,897 8,897 2,966 949 3,893	8,897 8,897 2,966 949 5,450	8,897 8,897 2,966 593	13,346 12,456 4,152	13,346 12,456 4,152	13,346 12,456 4,152	8,897 - -	8,897 - -		57,502			
SU-00389 SU-00399 SU-00393 SU-00393 SU-00395 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFALL16 155704 155875 151748 155249 KREL-FL17 144338 155249 KREL-FL17 144338 151468 KRTU-14 131374 131374 134256 131376 131374	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vischi 69kV Trm Eq TEP-Matrizas-Wilsn 161kV Trm Eq RST-Lake Rebas SSVT- Brek PZ PBR-Ohio County 69kV Brek Rgl ROK-Span XFm 2016- KU Green River C&P/Switch Rgl KU Other Prot Bahnekt 2016 KU RTU Replacements-17 REL-Somerset N 29-605 Motor TEP-Elibs 814 Brik Rgl KU Other Prot Bahnekt 2016 KU TRU Replacements-17 REL-Somerset N 29-605 Motor TEP-Elibs 814 Brik Rgl KU Other Prot Bahnekt 2016 KU Other Prot Bahnekt 2016 ROW COVER SSWING SSWING SWING S	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles KU-135500- KY Poles	978.800 830.908 390 492.665 134,473 294.660 25,541 1,163,835 15,260 191,919 128,697 484 75,813 4,227 1,874.84 691,787 94,727 (6,668) 79,853 862,057	(10,666) - 210,852	291,414	278,845 183,555	170,702	96,447	9,632	14,236 4,745 - 6,228 5,391 	14,236 4,745 - 6,228 7,548 - - - - - - - - - - - -	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 2,966 949 3,893 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 949 5,450 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 593 5,450	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 - - 830 - - - - - - - - - - - - - - - - - - -	8,897	57,502	61,925 	275,824	268,303
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748 155249 KREL-FL17 144338 15549 KREL-FL17 144338 153668 151468 KRTU-14 131374 134245 133661 13374	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vickoln 69kV Trm Eq TEP-Matrasa-Wilsn 161kV Trm Eq TEP-Matrasa-Wilsn 161	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles KU-135500- KY Poles KU-135500- KY Poles	978,800 830,908 390 492,665 134,4773 294,660 25,541 1,163,835 191,919 128,697 484 75,813 4,227 1,874,854 691,787 (8,688) 79,853 862,057	(10,666) - 210,852 129,917	291,414 - 205,623 133,831	278,845 - 183,555 133,209	170,702 - - 443			14,236 4,745 - 6,228 5,391 	14,236 4,745 - 6,228 7,548 - - - - - - - - - - - -	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 2,966 949 3,893 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 949 5,450 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 593 5,450	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 	8,897	57,502	61,925 		268,303
SU-00389 SU-00399 SU-00393 SU-00393 SU-00395 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFALL16 155704 1515704 1515704 151468 151468 KRTU-14 131374 134256 134256 131376 137740 137750	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Viscald 69kV Trm Eq TEP-Matruza-Wilsn 161kV Trm Eq RST-Lake Rebas SEVI- Pref RPI PRB-C-Dinic County 69kV Brf RpI ROK-Span XFm 2016- KU Green River C&P/Switch RpI KU Other Prot Bahnekt 2016 KU RTU Replacements-17 REL-Somerset N 29-605 Motor TEP-Elibu 814 Brf RpI KU Other Prot Bahnekt 2016 KU TRU Replacements-17 ReL-Somerset N 29-605 Motor TEP-Elibu 814 Brf RpI KU Other Prot Bahnekt 2016 FU Other Prot Bahnekt 2016 FU Other Prot Bahnekt 2016 FOR CCT and Wave Traps-KU PBU Ghent 165 Substation KU Park-Greasy Erm Mods FOR Carmtown Bushing RpI-KU KU Rekay Fallures-2017 FOR Carmtown Bushing RpI-KU KU Rekay Fallures-2017 FOR Carmtown Bushing RpI-KU KU Rekay Fallures-2017 FOR Carmtown Bushing RpI-KU KU RIV Replacements-1-4 REL WEDONIA MOS DSP STIMUL SUB UPGD DSP VERSAULES SUB REL LEPVILT-PIGSH GORBILD REL LEPVILT-PIGSH GORBILD REL LEPVILT-PIGSH GORBILD REL PODL EGWN SWITCH DSP MT VERNON SUB-TRANS	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles	978.800 830.908 920,665 134,773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 4,227 1,874,854 691,787 94,727 (6,868) 79,853 862,057 777,352 24,491 3,567	(10,666) 210,852 129,917 2,143	291,414	278,845 183,555	170,702 - - 443 71,270	96,447		14,236 4,745 - 6,228 5,391 	14,236 4,745 - 6,228 7,548 - - - - - - - - - - - -	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 2,966 949 3,893 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 949 5,450 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 593 5,450	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 	8,897	57,502	61,925 	275,824	268,303
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748 155249 KREL-FL17 144338 153668 151468 KRTU-14 131374 131374 131374 131374 131374 131374 131376 131376 131376 131376 131376 131376 131376 131376 131376 131376 131376 131376 131376	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vksdhl 69kY Trm Eq TEP-Matrasa-Wilsn 161kY Trm Eq TEP-Matrasa-Wilsn 161kY Trm Eq STS-Lake Reba SSYV- Frest Rd RoR-Spare XFm 2016- KU Green River C&P/Switch Rgl KU Other Prot Banket 2016 KU RTU Replacements-17 REL-Somers Rt 92-605 Motor TEP-Elihu 81.4 Rfx Rgl KU Other Prot Banket 2014 Spare 138/69 185MVA Xfmr-2016 KU-OtherFail- 2016 KU-OtherFail- 2016 KU-OtherFail- 2016 FOR CCVT and Wave Traps-KU PBU Ghent 165 Substation KU Park-Greasy Fur Mods FOR Carmtown Bushing Rpl-KU KU Rafk y Failures-2017 Brown N CIP Security Upgrds PBR-Bardstown Sw 69kV Bfx Rgl West Cliff Monitor KU RTU Replacements-14 REL WEDONIA MOS DS STNML SIB UPGD DS PYERSALLES SUB REL LEPNIT-PISGH 69RBLD REL POOLE 69kK SWTCH DS PVLEY-TRANS	KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles KU-135500- KY Poles KU-135500- KY Poles KU-135500- KY Poles	978,800 830,908 390 492,665 134,4773 294,660 25,541 1,163,835 191,919 128,697 484 75,813 4,227 1,874,854 691,787 94,727 (6,668) 79,853 862,057 777,352 24,491 3,567 580,604	(10,666) - 210,852 129,917 2,143 (58,505)	291,414 - 205,623 133,831	278,845 - 183,555 133,209 81,552	170,702 - - 443 71,270 137,697	96,447 - - 222 -		14,236 4,745 - 6,228 5,391 	14,236 4,745 - 6,228 7,548 - - - - - - - - - - - -	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 2,966 949 3,893 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 949 5,450 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 593 5,450	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 	8,897	57,502	61,925 		268,303
SU-00389 SU-00399 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFALL16 155704 155875 151748 155249 KRL-FL17 144338 153668 151468 KRTU-14 131374 134245 134256 137361 137740 1377751	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Viscalth 69N/T Fm Eq RST-Lake Reba SSVT- PBR-Ohio County 69N/D Fire Ryl RST-Lake Reba SSVT- PBR-Ohio County 69N/D Fire Ryl RST-Lake Reba SSVT- PBR-Ohio County 69N/D Fire Ryl RST-Lake Reba SSVT- BR-Ohio County 69N/D Fire Ryl RST-Spency Fire Ryl RST-RST-Spency Fire Ryl RST-RST-RST-Spency Fire Ryl RST-RST-RST-RST-RST-RST-RST-RST-RST-RST-	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-13530- KY Poles KU-135500- KY Poles KU-13500- KY Poles KU-1	978.800 830.908 390 492.665 492.665 134,773 294.660 25,541 1,163.835 15,260 191,919 128,697 484 4,227 1,874.854 691,787 (6,868) 79,853 862.057 777,352 24,491 3,567 580,604 290,327	(10,666) - 210,852 129,917 2,143 (58,505) 19,570	291,414 - 205,623 133,831	278,845 - 183,555 133,209	170,702 - - 443 71,270	96,447		14,236 4,745 - 6,228 5,391 	14,236 4,745 - 6,228 7,548 - - - - - - - - - - - -	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 2,966 949 3,893 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 949 5,450 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 593 5,450	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 	8,897	57,502	61,925 	275,824	
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748 155249 KREL-FL17 144338 153668 151468 KRTU-14 131374 131374 131374 131374 131374 131374 137750 137750	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vksdhl 69kY Trm Eq TEP-Matrasa-Wilsn 161kY Trm Eq TEP-Matrasa-Wilsn 161kY Trm Eq STS-Lake Reba SSVY-Fres ROR-Spare XFm 2016-KU Green River C&P/Switch Rgl KU Other Prot Banket 2016 KU RTU Replacements-17 REL-Somers Rt 92-605 Motor TEP-Elihu 81.4 Rfx Rgl KU Other Prot Banket 2014 Spare 133/69 185M/N Xfmr-2016 KU-Other Frot Bank 2014 Spare 133/69 185M/N Xfmr-2016 KU-Other File Substation KU Park-Greasy Firm Mods FOR Carmtown Bushing Rpl-KU KU Park-Grea	KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles	978,800 830,908 390 492,665 134,4773 294,660 25,541 1,163,835 191,919 128,697 484 75,813 4,227 1,874,854 691,787 94,727 (6,668) 79,853 862,057 777,352 24,491 3,567 580,604	(10,666) - 210,852 129,917 2,143 (58,505)	291,414 - 205,623 133,831 61,368 - -	278,845 - 183,555 133,209 81,552 - 82,196	170,702 - - 443 71,270 137,697 122,244	96,447 - - 222 - - - 77,826		14,236 4,745 	14,236 4,745 6,228 7,548 	8,897 14,236 14,236 949 3,893 7,548	8,897 2,968 8,897 2,968 949 3,893 7,548	8,897 8,897 8,897 9,966 9,949 9,450 7,548 	8,897 8,997 2,966 593 5,450	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 	8,897	57,502	61,925 	275,824	268,303
SU-00389 SU-00399 SU-00393 SU-00393 SU-00393 SU-00395 SU-	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byte C-Viscalth 69N/T Fm Eq RST-Lake Reba SSVT- PBR-Ohio County 69R/W Fr Rpl RON-Span XFm 2016-RU Green River C&P/Switch Rpl KU Other Prot Blanket 2016 KU RTU Replacements-12 KU Other Prot Blanket 2016 KU RTU Replacements-17 REL-Somerse Rt D3-605 Motor TEP-Elibs 814 Brkr Rpl KU Other Prot Blanket 2016 ROW COVER 1988 SSW/W A Xfmr-2016 KU Other Frot Blank 2014 Spare 133/69 18SM/W A Xfmr-2016 KU Other Frot Blank 2014 Spare 133/69 18SM/W A Xfmr-2016 RC Other Spare Substation KU Park-Greasy Em Mods FOR Carmtown Bushing Rpl-KU KU Relay Fallures-2017 Srown N CIP Security Upgrds PBR-Bardstown Sw 69KV Brkr Rpl West Cliff Monitor KU RTU Replacements-14 REL WEDONIA MOS DSP STWNUS UB UPGD DSP VERSAULES SUB REL LEPANLT-PIGSH 69RBLD REL PER PLASH LITRANSFRMR GR WR PINT-RIVER 69W RWR GR WR PINT-RIVE	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles KU-13500- KY Poles KU-13500- KY Poles KU-13500- KY Poles KU-13500- KY P	978.800 830.908 390 492.665 492.665 134,773 294.660 25,541 1,163.835 15,260 191,919 128,697 484 4,227 1,874.854 691,787 (6,868) 79,853 862.057 777,352 24,491 3,567 580,604 290,327	(10,666) - 210,852 129,917 2,143 (58,505) 19,570	291,414 - 205,623 133,831	278,845 - 183,555 133,209 81,552	170,702 - - 443 71,270 137,697 122,244 - 35,539	96,447 - - 222 - - - 77,826 - 35,539		14,236 4,745 -6,228 5,391 	14,236 4,745 - 6,228 7,548 	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 8,897 8,897 8,966 9499 9499 9499 95,966 96,967 96,233	8,897 8,897 2,966 949 5,450 7,548 	8,897 8,897 2,966 593 5,450 	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 	8,897	57,502	61,925 	275,824	268,303
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 153593 KOTFAL16 155704 155875 151748 155249 KREL-FLI7 144338 153668 151468 KRTU-14 131374 13255 134568 151468 KRTU-14 131374 134255 134255 137740 137750 137750 137751 137752 137752 137752 137754 138842 14065	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq ST-Lake Reba SSV-F rkr Rpl Rok-Spar Krm 2016- KU Green River C&P/Switch Rpl KU Other Prot Bahaket 2016 KU RTU Replacements-17 REL-Somers Rh 92-605 Motor TEP-Eilhu 81.4 Brkr Rpl KU Other Prot Bahaket 2016 KU Other Prot Bahaket 2014 Spare 138/69 185M/M Affrine-2016 KU Other Prot Bahaket 2014 PBU Ghem 165 Substation KU Park-Greasy Ern Mods FOR Carmtown Bushing Rpl-KU KU Park-Greasy Ern Mods Sp STINNUS UB UPGD DSP VERSAULES SUB BEL LEPRILT-PISGH GRBID BEL LEPRILT-PISGH GRBID BEL LEPRILT-PISGH GRBID BER PISGH BER PISGH GRBID BER PISGH	KU-133310- KY Station Equip -Non Sy KU-133310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy KU-135500- KY Poles KU-13500- KY Poles KU-135500- KY Poles KU-135500- KY Poles KU-135500- KY Poles KU-13500- KY Poles KU-13500- KY Poles KU-13500- KY Pole	978.800 830.908 390 492.665 492.665 134,773 294.660 25,541 1,163.835 15,260 191,919 128,697 484 4,227 1,874.854 691,787 (6,868) 79,853 862.057 777,352 24,491 3,567 580,604 290,327	(10,666) - 210,852 129,917 2,143 (58,505) 19,570	291,414 - 205,623 133,831 61,368 - -	278,845 - 183,555 133,209 81,552 - 82,196	170,702 - - 443 71,270 137,697 122,244	96,447 - - 222 - - - 77,826		14,236 4,745 	14,236 4,745 6,228 7,548 	8,897 14,236 14,236 949 3,893 7,548	8,897 2,968 8,897 2,968 949 3,893 7,548	8,897 8,897 8,897 9,966 9,949 9,450 7,548 	8,897 8,997 2,966 593 5,450	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 830	8,897 830	8,897	57,502	61,925	-	268,303
SU-00389 SU-00399 SU-00393 SU-00393 SU-00393 SU-00395 SU-	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byte C-Viscalth 69N/T Fm Eq RST-Lake Reba SSVT- PBR-Ohio County 69R/W Fr Rpl RON-Span XFm 2016-RU Green River C&P/Switch Rpl KU Other Prot Blanket 2016 KU RTU Replacements-12 KU Other Prot Blanket 2016 KU RTU Replacements-17 REL-Somerse Rt D3-605 Motor TEP-Elibs 814 Brkr Rpl KU Other Prot Blanket 2016 ROW COVER 1988 SSW/W A Xfmr-2016 KU Other Frot Blank 2014 Spare 133/69 18SM/W A Xfmr-2016 KU Other Frot Blank 2014 Spare 133/69 18SM/W A Xfmr-2016 RC Other Spare Substation KU Park-Greasy Em Mods FOR Carmtown Bushing Rpl-KU KU Relay Fallures-2017 Srown N CIP Security Upgrds PBR-Bardstown Sw 69KV Brkr Rpl West Cliff Monitor KU RTU Replacements-14 REL WEDONIA MOS DSP STWNUS UB UPGD DSP VERSAULES SUB REL LEPANLT-PIGSH 69RBLD REL PER PLASH LITRANSFRMR GR WR PINT-RIVER 69W RWR GR WR PINT-RIVE	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles KU-13500- KY Poles KU-13500- KY Poles KU-13500- KY Poles KU-13500- KY P	978.800 830.908 390 492.665 492.665 134,773 294.660 25,541 1,163.835 15,260 191,919 128,697 484 4,227 1,874.854 691,787 (6,868) 79,853 862.057 777,352 24,491 3,567 580,604 290,327	(10,666) - 210,852 129,917 2,143 (58,505) 19,570	291,414 - 205,623 133,831 61,368 - -	278,845 - 183,555 133,209 81,552 - 82,196	170,702 - - 443 71,270 137,697 122,244 - 35,539	96,447 - - 222 - - - 77,826 - 35,539		14,236 4,745 -6,228 5,391 	14,236 4,745 - 6,228 7,548 	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 8,897 8,897 8,966 9499 9499 9499 95,966 96,967 96,233	8,897 8,897 2,966 949 5,450 7,548 	8,897 8,897 2,966 593 5,450 	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 	8,897 	8,897	57,502	61,925 	275,824	268,303
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 133593 KOTFAIL16 155704 155875 151748 155249 KREL-FL17 144338 153668 153668 153668 153704 153668 153704 153668 153704 15	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TPP-Byle C-Wischi 69kV Trm Eq TFP-Matrasa-Wilso 151kV Trm Eq Green River C&P/Switch Rpl KU Other Prot Bahakt 2016 KU RTW Replacements-17 REL-Somerser N 97-605 Motor TFP-Elihu 814 8rkr Rpl KU Other Prot Bahakt 2016 KU TRW Replacements-17 REL-Somerser N 97-605 Motor TFP-Elihu 814 8rkr Rpl KU Other Prot Bahakt 2016 KU Trm Prot Bahakt 2016 KU Other Prot Bahakt 2016 KU Park-Greasy Fru Mods FOR Carmtown Bushing Rpl-KU KU Relay Fallures-2017 Brown N CIP Security Upgrds PSR-Bardstown Sw 69kV Brkr Rpl West Cliff Monitor KU RTU Replacements-14 Ret WEDONIA MOS DSP STRNUL SUB UPGD DSP VERSAULES SUB REL LERPINT-PISGH 69RBLD REL POOLE 69kV SWITCH DSP MT VERNON SUB-TRANS DSP Richmond North 138kV DSP HUMER RD PHASE II TRANSFMR GR NP PINI-HIBG 59kV Rebo TFP-MOT-LWARK-PINEVILLE	KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-13530- KY Poles KU-135500- KY Poles	978.800 830.908 3908 3908 3908 492.665 412.665 412.666 412.666 412.667 484 42.27 484 42.27 48.486 491.787 48.497 48.497 48.491.787 48.486 491.787 48.5888 48.2057 777.352 24.491 3.567 580.604 290.327 294.328	(10,666) 	291,414 - 205,623 133,831 61,368 - - - 35,539 - -	278,845 - 183,555 133,209 81,552 - 82,196 - 35,539 - 208	170,702 - - 443 71,270 137,697 122,244 - 35,539 52,104 -	96,447 - - 222 - - - 77,826 - 35,539		14,236 4,745 -6,228 5,391 	14,236 4,745 - 6,228 7,548 	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 8,897 8,897 8,966 9499 9499 9499 95,966 96,967 96,233	8,897 8,897 2,966 949 5,450 7,548 	8,897 8,897 2,966 593 5,450 	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 830	8,897 830	8,897	57,502	61,925	-	
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 153593 KOTFAL16 155704 155875 151748 155249 KREL-EL17 144338 155249 KREL-EL17 144338 153668 151468 KRTU-14 131374 131274 131275 131775	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Vksdhl 69kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq TEP-Matrusa-Wilsn 161kV Trm Eq ST-Lake Reba SSV-F rkr Rpl Rok-Spar Krm 2016- KU Green River C&P/Switch Rpl KU Other Prot Bahaket 2016 KU RTU Replacements-17 REL-Somerset N 92-605 Motor TEP-Elihu 81.4 Brkr Rpl KU Other Prot Bahaket 2016 KU STU Replacements-17 ReL-Somerset N 92-605 Motor TEP-Elihu 81.4 Brkr Rpl KU Other Prot Bahaket 2016 KU Other Prot Bahaket 2016 KU Other Prot Bahaket 2016 FSU Other Prot Bahaket 2016 KU Other Prot Bahaket 2014 Spare 138/69 185M/N Affrin-2016 KU Other Prot Bahaket 2014 Spare 138/69 185M/N Affrin-2016 KU Other Prot Bahaket 2014 PBU Ghent 165 Substation KU Park-Greasy Ern Mods FOR Carmfown Bushing Rpl-KU KU Relay Falliure-2.017 Brown N CIP Security Upgrds PBR-Bardstown Sw 69kV Brkr Rpl West Cliff Monitor KU RTU Replacements-14 REL WEDONIA MOS DSP STINUL SU UPGD DSP VERSAULES SUB REL LEPKIN-TPSGH 69RBLD REL	KU-133310- KY Station Equip -Non Sy KU-133310- KY Station Equip -Non Sy KU-135310- KY Station Equip -Non Sy KU-135500- KY Poles KU-135500- KY	978.800 830.908 390 492.665 492.665 134,773 294.660 25,541 1,163.835 15,260 191,919 128,697 484 4,227 1,874.854 691,787 (6,868) 79,853 862.057 777,352 24,491 3,567 580,604 290,327	(10,666) - 210,852 129,917 2,143 (58,505) 19,570	291,414 - 205,623 133,831 61,368 - -	278,845 - 183,555 133,209 81,552 - 82,196 - 35,539	170,702 - - 443 71,270 137,697 122,244 - 35,539	96,447 - - 222 - - - 77,826 - 35,539		14,236 4,745 -6,228 5,391 	14,236 4,745 - 6,228 7,548 	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 8,897 8,897 8,966 9499 9499 9499 95,966 96,967 96,233	8,897 8,897 2,966 949 5,450 7,548 	8,897 8,897 2,966 593 5,450 	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 830	8,897 830	8,897	57,502	61,925	-	268,303
SU-00339 SU-00393 SU-00393 SU-00393 SU-00395 152147 153590 152401 KOTPR16 KRTU-17 151815 147222 KOTPR14 153593 KOTFAIL16 155704 155875 151748 155249 KREL-FL17 144338 15549 KREL-FL17 144338 153668 151468 KRTU-14 131374 134245 137750 137750 137751 137752 137751 137752 137754 14083 14085 14083 14085 14083 14083 14085 14083 14083 14083 14083 14083 14083 14083 14083 14256 137751 137752 137752 137752 14083 14083 14083 14083 14083 14083 14083 14083 14083 14083 147250 147481	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TFP-Byle C-Vickoln 69kV Trm Eq TFP-Matrasa-Wilsn 161kV Trm Eq TFP-BK-Dinic County 69kV Brir Rpl RoR-Spanz Krm 2016-KU Green River C&P/Switch Rpl KU Other Prot Blank 2016 KU TRU Replacements-17 REL-Somerser N 92-605 Motor TFP-Ellin 814 Brkr Rpl KU Other Prot Blank 2014 Spane 138/69 185kMVA Xfrm-2016 KU-OtherFail-2016 POR CCVT and Wave Traps-KU PBU Ghent 165 Substation KU Park-Greasy Fur Mods FOR Carmtown Bushing Rpl-KU KU Park-Greasy Fur Mods FOR Carmtown Bushing Rpl-KU KU Relay Faillures-2017 Brown N CIP Security Upgrds PBR-Bardstown Sv 69kV Brkr Rpl West Cliff Monitor KU RTU Replacements-14 REL WEDONIA MOS DSP VERSALLES SUB REL LEXPLNT-PISGH 69RBLD REL LEXPLNT-PISGH 69RBLD REL LEXPLNT-PISGH 69RBLD REL POOLE 69kV SWITCH DSP MY VERNON SUB-TRANS DSP RICHMON SUB-TRANS DSP R	KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-13530- KY Station Equip-Non Sy KU-13530- KY Station Equip-Non Sy KU-13550- KY Poles KU	978,800 830,908 390 492,665 134,4773 294,660 25,541 1,163,835 15,260 191,919 128,697 484 75,813 4,227 1,874,854 691,787 94,727 (6,668) 79,853 862,057 777,352 24,491 3,567 580,604 290,327 294,328	(10,666) 210,852 129,917 2,143 (58,505) 19,570 176,799	291,414 - 205,623 133,831 61,368 - - 35,539 - - 44,579	278,845 183,555 133,209 81,552 	170,702 - 443 71,270 137,697 122,244 - 35,539 52,104 - - - - -	96,447 - - 222 - - 77,826 - 35,539 52,104 - - -	71,079	14,236 4,745 -6,228 5,391 	14,236 4,745 - 6,228 7,548 	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 8,897 8,897 8,966 9499 9499 9499 95,966 96,967 96,233	8,897 8,897 2,966 949 5,450 7,548 	8,897 8,897 2,966 593 5,450 	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 830	8,897 830	8,897	57,502	61,925	-	268,303
SU-00389 SU-00393 SU-00393 SU-00393 SU-00395 SU-	PRILY-Spencer Rd 018-618 REL-18M 617 MOS TEP-Byle C-Viscidh 69kV Trm Eq TEP-Matrizas-Wilsn 161kV Trm Eq RST-Lake Reba SSV- Prefr PP PBR-Ohio County 69kV Brk Rpl ROK-Spare Xrm 2016- KU Green River C&P/Switch Rpl KU Other Prot Bahaket 2016 KU RTU Replacements-17 REL-Somerset N 92-605 Motor TEP-Elihu 814 Brk Rpl KU Other Prot Bahaket 2016 KU TRU Replacements-17 ReL-Somerset N 92-605 Motor TEP-Elihu 814 Brk Rpl KU Other Prot Bahaket 2016 KU Other Prot Bahaket 2016 FU Other Prot Bahaket 2016 FU Other Prot Bahaket 2016 FU Other Prot Bahaket 2016 FOR Carmfown Bushing Rpl-KU KU Relay Falliure-2017 Brown N CIP Security Upgrås FOR Carmfown Bushing Rpl-KU KU Relay Falliure-2017 Brown N CIP Security Upgrås FOR Carmfown Bushing Rpl-KU KU Relay Falliure-2017 Brown N CIP Security Upgrås FOR STANUL SUB UFGO DSP VERSAULES SUB REL LEPNIT-PISGH 69RBLD R	KU-133310- KY Station Equip-Non Sy KU-133310- KY Station Equip-Non Sy KU-135310- KY Station Equip-Non Sy KU-135500- KY Poles K	978.800 830.908 3908 3908 3908 492.665 412.665 412.666 412.666 412.667 484 42.27 484 42.27 48.486 491.787 48.497 48.497 48.491.787 48.486 491.787 48.5888 48.2057 777.352 24.491 3.567 580.604 290.327 294.328	(10,666) 	291,414 - 205,623 133,831 61,368 - - - 35,539 - -	278,845 - 183,555 133,209 81,552 - 82,196 - 35,539 - 208	170,702 - - 443 71,270 137,697 122,244 - 35,539 52,104 -	96,447 - - 222 - - - 77,826 - 35,539		14,236 4,745 -6,228 5,391 	14,236 4,745 - 6,228 7,548 	8,897 14,236 4,745 949 3,893 7,548	8,897 8,897 8,897 8,897 8,966 9499 9499 9499 95,966 96,967 96,233	8,897 8,897 2,966 949 5,450 7,548 - - - - - - - - - - - - - - - - - - -	8,897 8,897 2,966 593 5,450 	13,346 12,456 4,152 593	13,346 12,456 4,152 593	13,346 12,456 4,152 830	8,897 830	8,897 830	8,897	57,502	61,925	-	268,303

Attachment to Response to KIUC-1 Question No. 28(c) Page 4 of 12 Arbough

																									Arl
147493 147494	REL Hamblin Tap Switch	KU-135500- KY Poles	25,812	39,168	106,284	174,009	222	-	-	-	-	-	-	73.689	103.690	-	-	-	-	-	-	-	-	-	
147494	REL Paint Lick Switch REL Belt Line Switch	KU-135500- KY Poles KU-135500- KY Poles	-					-	-	28,446	9.507	9.064	195,782	73,689	103,690	-	-	-							
147496	REL McKee Road Switch	KU-135500- KY Poles			-					20,440	3,307	3,004	195,782	73,689	103,690				-		-				-
147498	REL Bardstown Ind Switch	KU-135500- KY Poles	-	-			-	-		-		-	-	-	-	199,461	77,412	96,288	-			-			-
147499	REL Four Mile Switch	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	-	-	154,387	154,387	199,387	-	-	-		-	-	-
147500	REL Owingsville Switch	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195,782	73,689	103,690	-	-	-	-
147501 147503	REL Echols Switch REL Nelson Switch	KU-135500- KY Poles KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	- 195,782	73,689	103,690	-	-	-	195,782	73,689	103,690	-	-	-	-
147503	REL Picadome Switch	KU-135500- KY Poles											195,782	73,689	103,690				215,614	111,260	122,906				
150802	EKP Long Lick Tap	KU-135500- KY Poles	-	(0)								-							213,014	-	-				-
151608	DSP Versailles Bypass	KU-135500- KY Poles	-		-	-		-			-						-	-	24,993	24,993	24,993	199,288	199,288	199,288	199,288
151690	ESR Maysville East Tap	KU-135500- KY Poles	-	(14)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
151800	REL Elizabethtown 4 MOS	KU-135500- KY Poles	131,112	2,527	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151801	REL Dayhoit Tap MOS	KU-135500- KY Poles	1,768	2.567	115,246	64,322	7,787	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
151802 151803	REL Dayhoit Tap LFI REL Corydon-Calhoun LFI	KU-135500- KY Poles KU-135500- KY Poles	20,138	3,567 11,166	68,046	22,942	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
151804	REL Morehead West MOS	KU-135500- KY Poles	73,342	129,139	202,389	8,459	554																		
151805	REL Calhoun MOS	KU-135500- KY Poles	160.674	40,389	6,459	554	-																		-
151806	REL Caron MOS	KU-135500- KY Poles	13,560	14,648	84,814	24,511	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-
151807	REL Corbin 2 795-625 MOS	KU-135500- KY Poles	30,732	7,828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
151808	REL Corbin 1 844-605 MOS	KU-135500- KY Poles	65,132	3,530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151810	REL Ashland MOS	KU-135500- KY Poles	28,501	20,933	7,013	34,528	3,339	494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151812 151813	REL Lemons Mill MOS REL Mt Sterling MOS	KU-135500- KY Poles KU-135500- KY Poles	312 108 579	52,401 57.040	65,448 244.165	103,967 20.618	92,687 554	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153076	REL Girdler MOS Add	KU-135500- KY Poles KU-135500- KY Poles	25,928	36,859	68,910	1,108	554	-	-		-				-	-	-	-							
153070	REL Newtown MOS Add	KU-135500- KY Poles	-		-						-		36,624	65,476	-										-
153081	REL Waitsboro MOS Add	KU-135500- KY Poles	-		-	-		-		-	-		-	-	37,634	64,459	-	-	-		-		-		
153351	PR Adams-Millersburg	KU-135500- KY Poles	(74,338)	(1,320)	-	443,623	-	-	-	-	-	-	-	-			-	-	-	-	-		-		-
153632	Green River-Erlng No 69kV LTG	KU-135500- KY Poles	-	13,763	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
153741	ESR Wilmore Tap Switch	KU-135500- KY Poles	355,052	(15,502)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153922	PR Carrollton-East Frankfort	KU-135500- KY Poles	2,007,661	18,890	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
153944 153954	PR Millersburg-Murphysville TEP Princeton-Walker	KU-135500- KY Poles KU-135500- KY Poles	239.023	(2,374) 95.012	41.893			-	-	-	-	-		-	-	-	-	-				-	-	-	-
154086	PR Pittsburg-Lancaster	KU-135500- KY Poles	3,083,522	33,012	41,033	383,193	36,574	36,574	36,574	-	-			-	-				-		-				-
154178	PR Lake Reba 162-Delvinta	KU-135500- KY Poles	2,992,137	84,669	54,306	-	-	-	-	-	-		-	-		-	-	-	-		-		-		
154371	PR Loudon Avenue-Winchester	KU-135500- KY Poles	-	1,214	-	-		-			-						-	-					-		-
154511	DSP Barton Sub	KU-135500- KY Poles	3,994	(297)	-	-	-	-	-	131,329	226,701	115,557	-	-	-	-	-	-	-	-	-	-	-	-	-
154693	PR Brown-Fawkes 138kV	KU-135500- KY Poles	-	16,286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155198	PR Tyrone-Adams	KU-135500- KY Poles	1,207,267	407.002	-		45,005	262,994	- 445.057	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
155206 155953	PR Rosine-Leitchfield SPIR Kentucky Dam-Princeton	KU-135500- KY Poles KU-135500- KY Poles	5,380,858	497,962 (30,034)	574,278	371,922	323,477	249,233	145,867	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
156125	PR Corydon-Green River Steel	KU-135500- KY Poles	570.538	(1.489)																					
156634	PR Ashbyburg Tap	KU-135500- KY Poles	425,833	19,922																					-
156637	US 60 Highway Relocation	KU-135500- KY Poles	-	-	-	8,307	8,308	8,309	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-
156687	PR Carrollton-Clifty Creek	KU-135500- KY Poles	-	-	-	-	-	-	-	722,248	876,056	876,056	244,756	583,975	-	-	-	-	-	-	-		-	-	-
156688	PR Adams-Innovation Drive	KU-135500- KY Poles	-	-	-	-	-	-	-	605,054	287,928	281,475	-	-	-	-	-	-	-	-	-	-	-	-	-
156689	PR Earlington NO-G River	KU-135500- KY Poles	-	23,557	62,549	90,256	90,256	90,256	90,256	1,047,942	584,568	584,568	584,568	133,673	429,097	-	-	-	-	-	-	450,895	450,895	-	-
156690 156691	PR Paducah Primary-So Pad PR Grahamville-Pad Primary	KU-135500- KY Poles KU-135500- KY Poles	-	-		-	317,913	-	-	208,594 550,749	250,350 689,508	319,068 721,454	-	-	-	-	-	-	-		-	-	-	-	-
156692	PR Earlington N-Rumsey-GRS	KU-135500- KY Poles					317,913			330,749	009,500	721,434				208,580	210,724								
156693	PR Green River-Armstrong Dock	KU-135500- KY Poles	-		-	-		-		292,931	76,705	76,705	76,250	-		-	-	-	-		-		-		
156694	PR Hillside-Green River	KU-135500- KY Poles			-	-	-	-	-					-	-	-	-	-	574,473	475,311	432,022		-		-
156696	PR Eastwood-Shelbyville	KU-135500- KY Poles	-	-	-	-	-	-	-	913,605	413,211	413,211	398,661	-	-	-	-	-	-	-	-		-	-	-
156697	PR Green River-Indian Hill	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	457,997	457,997	457,997			-	-	-	-
156698 157206	PR Loudon-Rockwell-Winch TEP-MOT-Finchville-Southville	KU-135500- KY Poles KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,427,226	422,303	422,303	422,303	218.190			
157206 157208	TEP-MOT-Hinchville-Southville TEP-MOT-Hardesty B-Walker 69kV	KU-135500- KY Poles KU-135500- KY Poles	-	-		-	-	-	-	-	-	-	2,500	2,500	-	-	-	-	7,600	7,600	9,817	218,190	75,291	75,291	116,631
157660	DSP White Sulfur Sub	KU-135500- KY Poles	-								-								16,667	16,667	16,667	271,776	271,776	271,776	384,276
157710	ESR Haley 667-615	KU-135500- KY Poles	-		-	-		-		-	-		166,600	166,600	166,600	-	-	-					-	-	-
157711	ESR Mid Valley Clarkson	KU-135500- KY Poles			-	-	-	-	-	-	-	-				-	108,287	108,287	108,287	-	-		-		-
157736	TEP-MOT-Adams-Georgetown	KU-135500- KY Poles	-	-	-	-	2,982	2,982	6,866	198,393	62,270	62,270	-	-	-	-	-	-	-	-	-		-	-	-
K5-2015	Relocations Trans Lines KU	KU-135500- KY Poles		0						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K8-2018 K9-2018	Storm Damage T-Line KU 2018 Priority Repl T-Lines KU 2018	KU-135500- KY Poles KU-135500- KY Poles	405,910 4.013.404	92,591 428,550	84,341	91,547	91,547	91,547	96,522	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
K9-2018 K9-2019	Priority Repl T-Lines KU 2018 Priority Repl T-Lines KU 2019	KU-135500- KY Poles KU-135500- KY Poles	4,013,404	428,550									255.325	255.325	254.873	154.873	226.410	155.325	232.437	235.325	255.323				
K9-2020	Priority Repl T-Lines KU 2020	KU-135500- KY Poles	_										-	-	-	-	-	-	-	-	-			467,431	343,171
KARM-2019		KU-135500- KY Poles	-		-	-		-			50,836	50,836	50,836	50,836	50,836	50,836	101,671	50,836	50,836	50,836	50,836		-		
KARM-2020	Priority Repl X-Arms KU 2020	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	69,749
KINS-2019	Priority Repl Insltrs KU 2019	KU-135500- KY Poles	-	-	-	-	-	-	-	8,434	8,434	8,434	8,434	8,434	8,434	8,434	8,434	8,434	8,434	8,434	8,435	-	-	-	-
KINS-2020	Priority Repl Insltrs KU 2020	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	8,733	8,733	8,733	8,733
KOTH-2016 KOTH-2018	Priority Repl Other KU 2016 Priority Repl Other KU 2018	KU-135500- KY Poles KU-135500- KY Poles	350,462	42,462 102,729	124,662	124,664	130,203	147,204	28,816	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
KOTH-2018		KU-135500- KY Poles	350,462	102,729	124,662	124,664	130,203	147,204	28,816				150,460	150,460	150,460	150,460	150,460	109,033							
KOTH-2020		KU-135500- KY Poles	_										-	-	-	-	-	-							223,415
LI-000001	PR Leitchfield 138kV Tap	KU-135500- KY Poles	-	30,672	-	-		-			-						-	-					-		-
LI-000002	PR Kenton-Carntown	KU-135500- KY Poles	2,092,681	286,758	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
LI-000004	PR Carrollton-Warsaw	KU-135500- KY Poles	-	25,609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LI-000005	PR Finchville-Bardstown	KU-135500- KY Poles	774,102	150,731	112,396	27,707	13,421		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LI-000006	PR Beattyville-West Irvine	KU-135500- KY Poles	1,647,081	294,921	329,031	306,533	28,230	2,664	2,664	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
LI-000007 LI-000008	PR Ghent-West Lexington PR Boyle County-Lancaster	KU-135500- KY Poles KU-135500- KY Poles	432,933 1,746,777	52,001 128,173	114,693	113,189	113,189	113,189	107,125	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
LI-000008	PR Clinton-Wickliffe	KU-135500- KY Poles	1,746,777	(21,939)	114,093	115,109	115,169	113,109	107,125	-		-		-		-	-			-			-		-
LI-000010	PR Spencer Road-Farmers	KU-135500- KY Poles	574,206	121,912	-	-	33,249	44,332	44,332	-	-	-		-	-		-	-	-			-	-	-	
LI-000011	PR Millersburg-Renaker	KU-135500- KY Poles	1,763,055	139,455	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LI-000012	PR Carrollton-Eminence	KU-135500- KY Poles	1,870,680	210,575	88,663	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
LI-000013	PR Eminence-Shelbyville	KU-135500- KY Poles	9,255	599,109	174,496	119,304			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LI-000014 LI-000015	PR Eminence-Centerfield PR Lake Reha-West Irvine	KU-135500- KY Poles KU-135500- KY Poles	455	-	191.085	217,645	59,653 164,738	59,653 22,166	11.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LI-000015 LI-000016	PR Lake Reba-West Irvine PR Tyrone-Higby Mill	KU-135500- KY Poles KU-135500- KY Poles	455,382	-	191,085 161.154	213,250 772,790	164,738 91.009	22,166 91,009	11,083	-		-		-		-	-		-		-		-	-	-
LI-000016 LI-000017	PR Tyrone-Higby Mill PR Middlesboro-Pineville	KU-135500- KY Poles KU-135500- KY Poles		-	504,055	46,599	46,599	46,599	169,587	272,857	272.857	272,857	272.857	-		-								-	-
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LI-000018 LI-000020	PR Bimble-London PR Dix Dam-Lancaster	KU-135500- KY Poles KU-135500- KY Poles	246,399 63.450	216,952 720,829	319,020 102.457	170,142 573.164	145,790 134.190	134.221	134.221	-	-	-	-	-	-	-	-		-	-	-	-	-	-		
LI-000020	PR Eminence-LaGrange	KU-135500- KY Poles	174	12,304	413,148	95,008	67,301	54,997	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
LI-000022	LTG South Paducah-Clinton	KU-135500- KY Poles	650,812	127,256	156,622				-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
LI-000023 LI-000024	PR Warsaw-Owen Co EKPC PR Green River-Green Rvr Stl	KU-135500- KY Poles KU-135500- KY Poles	470,805 18,330	67,606 130,589	204,075	1 262 574	1,363,535	1,363,581	- 35,778	185,132	185.132	- 185.132	185.132	- 185,132	185,132	- 185,132	- 185,132	185,132	- 185,132	- 185,132	1.529.810	-	-	-	-	
LI-000024	PR Harlan Y-Pineville	KU-135500- KY Poles	10,330	-	-	-	-	-	-	441,585	239,569	239,569	229,758	-	-	-	-	-	-	-	-	-	-	-	-	
LI-000027	PR Hillside-Indian Hill	KU-135500- KY Poles	-	(73,004)	-	-	-	-	-	-	-	-										-	-	-	-	
LI-000028 LI-000030	PR Delvinta-Lk Reba Tap PR Lancaster-Danville E	KU-135500- KY Poles KU-135500- KY Poles	-	-	-	-	-	-	-	902,713	- 824,198	192,898	83,336 192,898	992,162 475,392	257,558	257,558	122,277	122,277	122,277	367,204	122,277	-	-	-	-	
LI-000030	PR Bimble-Artemus	KU-135500- KY Poles	65,043	- 0	358,624	223,186	158,609	-		902,715	- 024,190	192,090	192,090	473,392	-	-						-			-	
LI-000032	PR Elihu-Somerset North	KU-135500- KY Poles	875,509	205,874	88,442	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LI-000033	PR Lancaster-Mt Vernon	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	89,836	719,381	179,672	179,672	179,672	89,836	269,836	89,836	-	-	-	-	
LI-000034 LI-000036	PR Middlesboro 127-Midsbro 780 PR Pineville-Rocky Branch	KU-135500- KY Poles KU-135500- KY Poles	-							-	-		-		-	404,435	404,435	523,314 1.157.305	1.157.305	1.157.305	1.157.305			-		
LI-000038	DSP Reynolds 2 Sub	KU-135500- KY Poles	-	(567)	-			-		-		-			-			-	-	-	-	-		-		
LI-000041	ESR Taylorsville 647-615	KU-135500- KY Poles	150,521	50,529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
LI-000042 LI-000043	ESR Campbilsvie Tay Co 768-605 ESR Shelby Co 20-665 and 685	KU-135500- KY Poles KU-135500- KY Poles	21,831	(21,831)	-	- 119,517	119,954 120,345	30,973 26,361	52,834	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
LI-000043	ESR Leitchfld E 556-605 & 615	KU-135500- KY Poles KU-135500- KY Poles	108,192	5,541		119,517	120,345	26,361			-													-	-	
LI-000045	ESR Spencer Chemical 888-615	KU-135500- KY Poles	,	21,401				-		-					-							-				
LI-000046	ESR Island Mine 653-605 & 615	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	159,181	190,681	-	-	-	-	-	-	-	-	-	-	
LI-000047 LI-000048	ESR Paris City 3 021-605 & 615 ESR River Queen Tap 107-605	KU-135500- KY Poles KU-135500- KY Poles	-		-	-	-				-	-	-		- :	147,805 114,215	177,055 139,215	-		-	-	-		-		
LI-000048	ESR Owen Co 145-715	KU-135500- KY Poles				-	-				-	-	-	-	-	114,215	139,215				-	-			-	
LI-000050	ESR Brush Creek 517-605 & 615	KU-135500- KY Poles	-	-	-	-	-	-	-	-	-	-	-	-	-	147,805	177,055	-	-			-	-	-	-	
LI-000051 LI-000052	ESR Wheatcroft Tap 112-615 MOS Wst Irvine 193-805-815-825	KU-135500- KY Poles KU-135500- KY Poles	34.172	- 53.730	- 57.440	-		-	-	-	-	-	-	114,215	139,215	-	-	-	-	-		-	-	-	-	
LI-000052 LI-000053	MOS Coleman Rd 236-805-815-825	KU-135500- KY Poles KU-135500- KY Poles	34,172 88,111	53,730	54,926	5,905	-			-	-		-	-	-	-						-			-	
LI-000055	MOS Rivr Queen Tap 167-805-815	KU-135500- KY Poles	-	-		-		-		7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	17,614	-				
LI-000058	REL Alexander 402-605-615 MOS	KU-135500- KY Poles	-	-	-	-	-	-	-	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	17,614	-	-	-	-	
LI-000059 LI-000060	REL Vrsiles ByPass 838-605-615 REL Bromley 29-615	KU-135500- KY Poles KU-135500- KY Poles	-	-	-	-	-	-	-	1.904	1.904	1.904	1.904	1.904	1.904	1.904	1.904	1.904	1.904	1.904	4.404	-	-	45,420	55,420	
LI-000060	REL Barbourville City 218-615	KU-135500- KT Poles KU-135500- KY Poles	-			-	-	-		7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	17,614	-			-	
LI-000063	REL Shavers Chapel 439-605 MOS	KU-135500- KY Poles	-	-	-	-	-	-	-	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	17,614	-	-	-	-	
LI-000064	REL Shlby City 744-605-615 MOS	KU-135500- KY Poles	-	-	-	-	-	-	-	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	17,614	-	-	-	-	
LI-000065	REL Shibyvi So 588-605-615 MOS REL Lawrochre 639-605-625 MOS	KU-135500- KY Poles KU-135500- KY Poles		-	- 1			- 1		7.614	7.614	7.614	7.614	7.614	7.614	7.614	137,058 7.614	137,058 7.614	182,058 7.614	7.614	17.614		- 1			
LI-000067	REL Lexingtn Water 662-605-635	KU-135500- KY Poles	-					-		7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	17,614	-				
LI-000068	REL Liberty Rd 529-605-615 MOS	KU-135500- KY Poles	-	-	-	-	-	-	-	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	17,614	-	-	-	-	
LI-000069 LI-000072	REL Wilson Dng 899-625-635 MOS Midland Avenue Relocation	KU-135500- KY Poles KU-135500- KY Poles	-	-	-	-	-	-	-	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614	7,614 63.198	7,614 63.198	7,614 63.198	17,614 63.198	-	-	-	-	
LI-000072	TEP-CR-Loudon Ave-Hume Road	KU-135500- KT Poles KU-135500- KY Poles	-				18.829	18.829	25.129	136.648	136.648	136.648	136.648	136.648	136.648	136.648	136.648	136.648	136.648	- 05,196	- 05,196	-			-	
LI-000085	TEP-MOT-Greensburg-Camp EKPC	KU-135500- KY Poles	-	-	-	-	26,301	26,301	35,101	87,088	87,088	87,088	87,088	87,088	87,088	87,088	87,088	87,088	87,088	87,088	87,088	-	-	-	-	
LI-000086	TEP-CR-Eastwood-Simpsonville	KU-135500- KY Poles	-	-	-	-	14,944	14,944	19,944	168,146	168,146	168,146	168,146	168,146	168,146	168,146	168,146	-	-	-	-	-	-	-	-	
LI-000091 LI-000092	TEP-MOT-Green Rvr-Shvrs Chapel TEP-MOT-Morganfield-Wheatcrft	KU-135500- KY Poles KU-135500- KY Poles	-				5,679 7.472	5,679 7.472	7,579 9.972	78,769 340.464	78,769 340,464	78,769 340,464	340.464	113,094	111,376	111.376	111,376	109.657	109.657	109.657				-		
LI-000093	TEP-MOT-Floyd-Waynesburg	KU-135500- KY Poles	-	-	-	-	7,472	7,472	9,972	52,473	52,473	52,473	52,473	-	-	-	-	-	-	-		-	-	-	-	
LI-000098	TEP-MOT-Hinkle-Stinking Creek	KU-135500- KY Poles	-	-	-	-				-		-	-	-	-	-	-	-	7,600	7,600	9,817	218,190	75,291	75,291	116,631	
LI-000099 LI-000106	TEP-CR-Campville Tap-Tay Co TEP-MOT-Fairfld-Tvlrsvll EK Tp	KU-135500- KY Poles KU-135500- KY Poles	-	-	-	-	7.472	7.472	9.972	70.841	70.841	70.841	87.919	-	-	240,191	74,871	74,871	74,871	119,375	171,022	-	-	-	-	
KOTH-2017	Priority Repl Other KU 2017	KU-135500- KY Poles KU-135500- KY Poles	21.201	-			7,472	7,472	9,972	70,841	70,841	70,841	87,919	-										-	-	
151692	ESR Eddyville Tap	KU-135500- KY Poles	401,946	-	-	-	-	-		-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	
K9-2016	PRIORITY REPL T-LINES KU 2016	KU-135500- KY Poles	2,710,395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
K9-2017 KINS-2018	Priority Repl T-Lines KU Priority Repl Insltrs KU 2018	KU-135500- KY Poles KU-135500- KY Poles	4,053,681 6,958	-	- 1			- 1		- 1		- 1	- :		- 1	- :	- 1	- 1					- 1			
KARM-2017	Priority Repl X-Arms KU 2017	KU-135500- KY Poles	3,838	-	-	-	-			-	-	-	-	-	-	-	-	-				-	-	-	-	
KARM-2018	Priority Repl X-Arms KU 2018	KU-135500- KY Poles	41,557	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
153642 139696	REL UK West MOS LEX UNDRGD-PHASE 1	KU-135500- KY Poles KU-135800- KY Undergrd Conductors a	199,153	307,432	656,358	386,905	1,371,361	346,133	384,274	- 161,238	- 161,238	- 383,758	- 383,758	405.018	495,018	495,018	- 495,018	- 383,758	- 383,758	- 387,959	349,380	- 149,507	274,507	274,507	-	
125058	MINOR FARM ENTRANCE ROAD	KU-135800- KY Undergra Conductors a KU-136100- KY Struct and Improv	1,176,595 9,252	8,000	90,000	40,000	40,000	40,000	23,971	161,238	161,238	383,/58	383,758	495,018	495,018	495,018	495,018	383,/58	383,/58	387,959	349,380	149,507	2/4,50/	274,507	-	
148947	SCM2018 LEX SUB BLDNG & GND	KU-136100- KY Struct and Improv	8,081	40,116	(1,151)		-	-		-					-							-				
148960	SCM2018 PINE SUB BLDNG & GND	KU-136100- KY Struct and Improv	23,406	15,204	-	(3,454)	-	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-	-	
151543 152593	SCM2019 PINE SUB BLDNG & GND St Charles Sub Reg/Pier Rep	KU-136100- KY Struct and Improv KU-136100- KY Struct and Improv	-	434						-	-		-	10,606	7,132	10,606	5,993	1,596		-						
154093	Distribution Auto KU 2017	KU-136100- KY Struct and Improv	-	982,330	850,800	800,800	1,201,800	1,200,800	1,253,603	794,406	794,413	794,410	794,411	794,409	794,422	794,405	794,407	794,425	794,416	794,419	794,428	708,377	708,383	708,377	760,253	
162172	SCM 2019 KU WOOD POLE SUB UPG	KU-136100- KY Struct and Improv	-	-	-	-	-	-	-	-	-	-	-	-	650,001	-	-	-	-	-	-	-	-	-	-	
138168 141885	DSP PAYNES MILL SUB PROJ KU Portable Transformer	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	1,042,175 2,274,173	25,000 1,000	4,587 3,000	177,281 1,000	355,525 1,300	353,006 306,238	123,891 29,578	313,021	1,269,628	434,616	434,616	432,038	407,010	192,180	5,157	6,876	5,930	5,157	-	-	-	-	-	
144909	DSP HUME ROAD SUB PHASE2	KU-136200- KY Station Equipment	2,855,841	100,000	200,000	200,000	200,054	200,000	548,076		-		-	-	-	-				-	-	-			-	
148685	DSP MT VERNON SUBSTATION PROJ	KU-136200- KY Station Equipment	1,840,129	460,000	604,135	366,287	400,000	231,815	291,474	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
148710	DSP RICHMOND NORTH SUB PROJ	KU-136200- KY Station Equipment	2,905,841	100,000	193,568	222,607	220,000	210,000	211,108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
148720 148747	VILEY 2 SUB XFMR SCM2017 LEX REPL LEGACY BRKR	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	4,772,718	20,746	69,310	150,927	191,546	155,075	169,932	- 1		- 1	- :		- 1	- :	- 1	- 1					- 1			
148788	SCM2017 EARL SUB BLDG & GRNDS	KU-136200- KY Station Equipment		3,394				-	(8,170)	-	-		-		-	-		-								
148795	SCM2017 LEX MISC NESC COMPL	KU-136200- KY Station Equipment	-	(628)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-	-	
148796 148892	SCM2017 LEX REPL BREAKERS	KU-136200- KY Station Equipment		4,997	-	-	-	-	14,972	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
148892	N1DT STONEWALL 2 SUB SCM2018 DAN REPL SUB BATTERY	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	3,083,076	(94,237) (262)	223,227	224,957	253,939	252,524	251,367	-	-		-		-	-				-				-		
148901	SCM2018 DAN REPL LEGACY BRKR	KU-136200- KY Station Equipment	145,309	16,110	12,828	10,657	11,313	3,634	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	
148903	SCM2018 EARL REPL SUB BATTERY	KU-136200- KY Station Equipment	-	-	(2,109)	-	-	28,356	5,743	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
148905 148906	SCM2018 KU LEGACY RELAY REPL SCM2018 LEX REPL SUB BATTERY	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	11,086	4,000 3,623	25,000	20,500	4,732	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
148906	SCM2018 LEX REPL SUB BATTERY SCM2018 LEX LEGACY RTU REPL	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	90,773	69,807	12,816	(4,404)	(18,490)	240	350	-		-		-	-	-	-	-		-	-	-			-	
148908	SCM2018 LEX REPL LEGACY BRKR	KU-136200- KY Station Equipment	176,829	20,497	15,000	15,000	6,854	15,000	15,000	-	-		-	-	-	-	-	-	-	-	-	-	-			
148917	SCM2018 PINE REPL LEGACY BRKR	KU-136200- KY Station Equipment	96,208	25,000	37,360	28,881	9,395	14,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
148918	SCM2018 PINE REPL SUB BATTERY SCM2018 KU REPLITC/REG CNTRI	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	32,107 71.420	(1,465) 15.830	(1,120) 15.000	-	- 0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
148926	SCM2018 DAN FAILED BRKR/RECL	KU-136200- KY Station Equipment	87,683	(7,856)	(6,515)		-	-			-	-					-		-			-			-	
148927	SCM2018 DAN MISC CAPITAL PROJ	KU-136200- KY Station Equipment		13,562	45,904	0	19,842	(4,343)	(4,343)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
148928	SCM2018 DAN MISC NESC COMPL	KU-136200- KY Station Equipment	27,536	8,368	(1,151)	-	-	-	-		-	-	-	-	-	-	-	-	-		-	-	-	-	-	

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148929 148930	SCM2018 DAN WILDLIFE PROTECT SCM2018 DAN SUB BLD & GRNDS	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	(2,283) 16.198	(1,151)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
148931	SCM2018 EARL FAILED BRKR/RECL	KU-136200- KY Station Equipment	83,923	(6,253)	(2,109)	-	(1,054)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148932 148933	SCM2018 EARL MISC CAPITAL SUB	KU-136200- KY Station Equipment	37,217	1,556 45,605	36,360	39,983	33,596	23,689	18,408	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148933	SCM2018 EARL MISC NESC COMPL SCM2018 EARL WILDLIFE PROTECT	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	65,871 628	(6,278)	38,004	(1,151)	30,003	23,701	-		-	- 1	-	-		-		-	-	-	-	-	-	-	-
148935	SCM2018 EARL SUB BLDG & GRNDS	KU-136200- KY Station Equipment	7,302	16,256	4,325	8,042	8,942	(1,151)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148937 148938	SCM2018 KU LTC OIL FILT ADDS SCM2018 KU OIL CONTAINMENT UPG	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	79,303 83.687	10.000	3,376 35.000	35,000	35,000	10,000 3,367	32.625	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148940	SCM2018 KU LIGHTNING PROTECT	KU-136200- KY Station Equipment	74,654	12,086	75,000	-	-	-	- 32,023		-		-	-		-		-		-		-	-		-
148941	SCM2018 LEX MISC CAPITAL SUB	KU-136200- KY Station Equipment	8,844	6,610	45,224	11,103	29,516	-	15,560	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148942 148943	SCM2018 LEX MISC NESC COMPL SCM2018 LEX REPL BREAKERS	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	86,705	17,912 18,157	40,000	40,000	80,000	(5,556) 40,000	21,225	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148944	SCM2018 LEX REPL BUSHINGS	KU-136200- KY Station Equipment	47,489	21,697	-	14,858	-	6,908	8,808		-			-						-		-	-		
148945	SCM2018 LEX REPL REGULATORS	KU-136200- KY Station Equipment	1,847	(728)	4,203	17,655	-	55,290	2,102	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148946 148956	SCM2018 LEX WILDLIFE PROTECT SCM2018 PINE FAILED BRKR/RECL	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	17,313 55,949	7,000	17,554 6,053	7,160	14,013	- 2,799	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148957	SCM2018 PINE MISC CAPITAL SUB	KU-136200- KY Station Equipment	37,371	(19,485)	52,068	(16)	5,867	17,136	24,897		-			-				-		-		-	-		-
148958	SCM2018 PINE MISC NESC COMPL	KU-136200- KY Station Equipment	41,366	30,201	-	(7,996)	(6,844)	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148962 148980	2018 KU TRANSFORMER REWIND TOYOTA SOUTH SUBSTATION	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	(90,336) (1,985)	-	-	(4,203)	(4,203)	(78,188)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148981	SCM2017 PINE RPL 22KV&34KV BKR	KU-136200- KY Station Equipment	-	(1,965)	-			-			-			-		-		-				-			-
150717	N1DT WEST HICKMAN EXPANSION	KU-136200- KY Station Equipment	3,944,250	15,000	15,000	10,000	-	-	26,064	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
151487 151488	SCM2019 DAN REPL SUB BATTERY SCM2019 DAN REPL LEGACY BRKR	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-		-	8,500	5,154	3,222	-	6,672	7,783	33.357	-	-	-	-	-	-	-	-
151488	SCM2019 DAN REPL LEGACY BRKK SCM2019 EARL REPL SUB BATTERY	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-							-	139,169	35,581	33,357			-	-		-		-
151491	SCM2019 KU LEGACY RELAY REPL	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	5,164	10,328	-	14,175	7,901	29,140	16,975	23,616	20,216	-	-	-	-	-	-
151492 151493	SCM2019 LEX REPL SUB BATTERY SCM2019 LEX LEGACY RTU REPL	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-	-	5.164	52,307 13,249	62.882	6,137 16,769	- 25.988	2,046 1.289	46,999	3,068 10.857	-	1.289	10.692	10.241	-	-	-	-
151493	SCM2019 LEX LEGACY KTO KEPL SCM2019 LEX REPL LEGACY BRKR	KU-136200- KY Station Equipment	-		-			-		5,104	15,249	20,457	20,457	334,291	1,209	40,999	- 10,657	20,457	20,457	20,457	10,241	-			-
151502	SCM2019 PINE REPL SUB BATTERY	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	19,232	2,138	2,234	3,279	-	-	-	-	-	-	-	-
151503 151504	SCM2019 PINE REPL LEGACY BRKR SCM2019 KU REPL LTC/REG CNTRL	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-		-	- 44.753	-	-	316,996 41.824	-	6.137	40,651	25,349	36,571	-	-	-	-	-	-
151504	SCM2019 RO REPLETC/REG CNTRL SCM2019 DAN FAILED BRKR/RECL	KU-136200- KY Station Equipment KU-136200- KY Station Equipment		-		-	-	-	-		11,763	44,351	-	23,195	25,427	6,672		-	-	4,447	4,447	-	-	-	-
151507	SCM2019 DAN MISC CAPITAL PROJ	KU-136200- KY Station Equipment	-	-	-	-	-	-		-	-	-	-	-		71,689	-	-	-	-		-	-	-	-
151508 151509	SCM2019 DAN MISC NESC COMPL	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	3,866	10,315	4,447	4,447 7.783	-	4,447	-	-	-	-	-	-	-	-
151509 151510	SCM2019 DAN WILDLIFE PROTECT SCM2019 DAN SUB BLD & GRNDS	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	13,823 45.101	7,783 26,451	-	-	-	-	-	-	-	-	-	-
151511	SCM2019 EARL FAILED BRKR/RECL	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	171,700	-	-	10,625	49,343	-	-	-	-	-	-	-
151512	SCM2019 EARL MISC CAPITAL SUB SCM2019 EARL MISC NESC COMPL	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	27,061	-	8,596	71,938	-	84,930	-	-	20,697	-	-	-	-	-	-
151513 151514	SCM2019 EARL WILDLIFE PROTECT	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-					41.324	104,642 10.689	46,907	51,701					-	-		-		-
151515	SCM2019 EARL SUB BLDG & GRND	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17,079	13,533	11,386	-	-	-	-	-
151517 151519	SCM2019 KU LTC OIL FILT ADDS SCM2019 KU OIL CONTAINMENT UPG	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	54,736	-	11,469 71,650	- 8,183	- 81,516	19,106	- 79,161	-	-	-	-	-	-	-
151519	SCM2019 KU OIL CONTAINMENT UPG SCM2019 LEX MISC CAPITAL SUB	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-			23,041	14,326	14,857	11,524	14,101	7,432	17,434	21,752	14,101	7,432	10,009	6,895		-		-
151523	SCM2019 LEX MISC NESC COMPL	KU-136200- KY Station Equipment	-	-	-	-	-	-	-		26,925	-	21,695	1,139	27,832		21,695	21,695	33,225			-	-	-	-
151524	SCM2019 LEX REPL BREAKERS	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	4,092	51,544	13,432	-	20,349	13,432	20,457	-		-	4,092	4,092	-	-	-	-
151525 151526	SCM2019 LEX REPL BUSHINGS SCM2019 LEX REPL REGULATORS	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-	-	2,046	28,207 25,172		-	30,253 2,046	25,971	2,046	4,092	23,855 16,302	4,092	12,968	5,462 2,046	-	-		-
151527	SCM2019 LEX WILDLIFE PROT	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-,	,	-	-	8,183	23,460	4,092	-	-	-	-	-,	-	-	-	-
151528	SCM2019 LEX SUB BLDG & GND	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	64.741	32,918	28,826	28,826	28,867		-	-	-	-	-	-
151539 151540	SCM2019 PINE FAILED BRKR/RECL SCM2019 PINE MISC CAPITAL SUB	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-		-	64,741 32,662	32,467	29,694	7,788	12,825 9,076	21,251 9,946	-	-	-	-		-
151541	SCM2019 PINE MISC NESC COMPL	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	12,886	16,752		-	14,861	15,435	-	-	-	-	-	-
151542 151545	SCM2019 PINE WILDLIFE PROTECT	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	36,346		-	-	14,001	-	4,372		-	-	-	-
151545 154118	2019 KU TRANSFORMER REWIND KU Barton Sub Expansion	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	1,111,655	15,393	249,698	265,823	267,858	203,474	201,941	-	-		-	-	644,572	-	-	-		-	734,774	-	-		-
154432	Earlington 4KV Substation	KU-136200- KY Station Equipment	102	4,617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154605 154606	KT0025 TR REWIND	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	22,361	21.774	-	90,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155310	SCM2018 KU REPL XFMR FANS	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	280,845	100	100	49	-	-			-	-	-	-		-		-		-			-	-	-
155889	Spare 10 MVA LTC Transformer	KU-136200- KY Station Equipment	395,452	45,000	14,474	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155891 155975	Millersburg Sub 5 MVA non-LTC KU SCADA 2018-2021	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	284.463	1,000 195.218	223.438	- 173.071	122.704	49.189	23,794 508.256	119.194	124.351	996.734	126.929	124.351	1.132.993	102.113	102.113	986.843	- 125.124	124.351	119.194	116.047	121.168	948.319	116.163
156330	KU Enhanced Wildlife	KU-136200- KY Station Equipment	28,946	30,000	105,049	91,843	66,617	73,477	101,289	22,772	30,206	242,015	242,015	239,436	202,558	45,475	45,475	47,205	46,254	45,481	40,325	51,237	56,358	312,639	
156369	LAWRENCEBURG SUB TR2	KU-136200- KY Station Equipment	-	(59,263)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156378 156384	LEX UNDERGROUND SUPPORT WEST HIGH FENCE REPLACE	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	104,949 11.313	14,344 (23,736)	100,000 50.000	180,000 113.157	113,280 101.958	50,000 64,590	77,694 44.818	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156425	INSTALL MONITORS ON XFRMRS	KU-136200- KY Station Equipment	21,835	5,000	7,000		- 101,936		5,492		-			-		-	-	-	-	-		-	-		-
157577	SIO-SUB OIL BREAKERS KU	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	-	149,845	138,456	134,246	121,360	121,360	95,588	89,145	42,451	55,137	55,137	55,137
157579 157599	SIO-RELAY REPLACEMENT KU DSP BEECH CREEK SUB UPGRADE	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	645,454	-	1,092,240 142,325	398,115 151,356	398,115	775,739	111,930	111,930	111,930	56,930	56,930	437,510	85,395
157599	DSP BEECH CREEK SUB UPGRADE DSP BEECHMONT SUB UPGRADE	KU-136200- KY Station Equipment KU-136200- KY Station Equipment		-		-	-	-	-		-	- 1	322,150	-	85,395	85,395	21,413 57,060	13,929	-	-	-	-	-	-	-
157647	Vine St 4KV Sub	KU-136200- KY Station Equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	210,505	113,860	161,775	113,860	-	-	-	-	-	-
157665 157854	MARKLAND DAM XFRM VERSAILLES WEST XFRM	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	16,641 4,262	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157931	Westvaco Sub Partial Retire	KU-136200- KY Station Equipment	1,603	(172,178)	199,759	7,568	(21,730)	90,460			-			-				-		-		-	-		-
158074	Txfmr Containment Eastland	KU-136200- KY Station Equipment		4,000	50,000	50,000	50,000	46,368	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-
158077 158120	WICKLIFFE CITY TRANSFORMER UK West LTC TR2	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	3,889	(17,268) (1,817)	43,115 26,367	- 20.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158120 158142	EW SUB TR 1 LTC	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	- 7,572	(1,817)	40,555	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158169	34.5:13.09 kV 5MVA Txfmr	KU-136200- KY Station Equipment	-	-	-	230,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158170 158182	Rewind M042 Txfmr REPLACE XFRM AT GHENT 0451	KU-136200- KY Station Equipment	-	- 21 50*	-	210,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158182 162170	SCM2019 KU LEGACY ARRST REPL	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	-	31,591	-		-	-	-	-	-	10,229	10,229	44,043	-	-	-	-	-	-	-	-	-		-
CCAPR315	Capital CAP/REG/RECL - 013150	KU-136200- KY Station Equipment	26,867	443,402	224,365	86,535	76,063	85,953	90,247	-	165,915	165,915	167,204	167,204	167,204	167,204	167,204	169,315	177,756	171,425	17,079	-	90,174	90,174	90,174
144634	REL-FMC 604 Brkr Addition SCM2018 PINE WILDLIFE PROTECT	KU-136200- KY Station Equipment KU-136200- KY Station Equipment	934,066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
148959 123136	KU POLE INSPECTION	KU-136200- KY Station Equipment KU-136400-KY Poles, Towers, and Fix	56,412	-	-		-	-	-	292,699	312,672	642,866	642,866	642,866	642,866	642,866	642,866	642,866	642,866	321,781	312,672	309,388	329,051	642,166	661,195
131562	Lakeshore Sub Dist Ckt	KU-136400-KY Poles, Towers, and Fix	-	-	-	-	-	-	-	46,894	48,183	55,914	45,755	58,491	45,755	65,084	43,178	- ,		-	- /-	-			-

Attachment to Response to KIUC-1 Question No. 28(c)

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150292 150719	Danville PITP 2016 W. Hickman Sub Dist Circuit	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles, Towers, and Fix	-	247 (1.472)	-	-	-	-		-	-	-	-	-	-	-	-	-	-		-	-	-	-	-
152826	Transfer for Lex Plant Pisgah	KU-136400-KY Poles, Towers, and Fix		(16,379)	-	-	-	-		-	-	-	-	-	-	-	-	-	-		-	-	-	-	
152868	URD Cable Repl/Rejuv Lex	KU-136400-KY Poles, Towers, and Fix	-	29,091	114,126	114,126	114,126	84,125	76,149	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
152886 152976	URD Cable KU 2019 REL KU CIFI RAP	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles. Towers, and Fix			-		- 1		13.000	140.898	140.898	53,514 140.898	53,514 165,402	53,514 165,402	54,653 165,402	54,653 165,402	54,653 165,402	54,653 165,402	54,653 140.898	53,514 140.898	52,376 140.898	103,500	103,500	35,297 103.500	35,297 121.500
152998	KU CEMI RAP	KU-136400-KY Poles, Towers, and Fix			-	-			309,000	105,846	105,846	105,846	124,254	124,254	124,254	124,254	124,254	124,254	105,846	105,846	105,846	108,468	108,468	103,366	127,332
152999	REL SYS Hard KU RAP	KU-136400-KY Poles, Towers, and Fix		-	-	-	-	-	107,000	224,250	224,250	224,250	263,250	263,250	263,250	263,250	263,250	263,250	224,250	224,250	224,250	256,266	256,266	256,266	300,834
153579	Pineville Pole Inspection 2017	KU-136400-KY Poles, Towers, and Fix	-	45	-	-	-	-	(5,720)	-	-	-	-						-	-	-	-	-	-	-
155285 155287	Hopewell Ckt 287 to 285 Ckt Dwina 0691 Dry Fork Relo	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles, Towers, and Fix	-	-	-	-	-	-	-	-	-	-	-	159,786	60,346 68,439	60,346 67.150	60,346	59,207		-	-	-	-	-	-
18PITP156	Earlington PITP 2018	KU-136400-KY Poles, Towers, and Fix	241,440	40,177	35,664	6,925	47,664	8,071	39,670		-	-	-		-	-		-			-	-	-	-	
18PITP216	Danville PITP 2018	KU-136400-KY Poles, Towers, and Fix	443,797	126,635	85,796	70,177	70,753	80,462	68,115	-	-	-		-		-	-	-	-	-	-	-	-		-
18PITP236 18PITP246	Richmond PITP 2018 Flizabethtown PITP 2018	KU-136400-KY Poles, Towers, and Fix	93,858	21,162	10,000 34.623	10,000 32,786	5,439 22.786	10,000	17.002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18PITP246 18PITP315	Lexington PITP 2018	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles, Towers, and Fix	295,528 1,360,179	39,734 363,692	34,623 262,559	32,786 261,408	262,559	21,525 291,408	17,002 317,572	-	-	-	-	-	-		-	-			-	-	-	-	
18PITP366	Maysville PITP 2018	KU-136400-KY Poles, Towers, and Fix	271,310	113,655	98,111	95,123	98,111	85,123	92,508		-	-	-		-	-	-	-	-			-	-		
18PITP416	Pineville PITP 2018	KU-136400-KY Poles, Towers, and Fix	251,809	48,221	40,379	6,130	-	-	-	-	-	-		-		-	-	-	-	-	-	-	-		-
18PITP426 CCAPR216	London PITP 2018	KU-136400-KY Poles, Towers, and Fix	108,684 687	76,357	25,658	7.252		7.252		-	-	-	- 0.722	- 0.722				7 420				-	-	-	-
CCAPR216 CCAPR256	Capital CAP/REG/RECI - 012160 Capital CAP/REG/RECL - 012560	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles, Towers, and Fix	674	47,382 3.848	10,892	7,353	9,631	7,353	7,353	11,012	11,012	11,012	9,723	9,723 11.967	7,438	7,438	7,438	7,438	7,438	7,438	7,438	10,916	10,916	10,916	10,916
CCAPR366	Capital CAP/REG/RECL - 013660	KU-136400-KY Poles, Towers, and Fix	1,545	5,433	14,800	4,694	5,956	4,694	2,326	5,650	4,533	4,683	4,533	5,650	2,277	4,683	4,533	3,394	6,788	4,683	3,416	5,630	4,523	4,653	4,523
CKM031218	KU MAJOR STORM CAPITAL-031218	KU-136400-KY Poles, Towers, and Fix	249,107	(246,604)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CKM040318	KU MAJOR STORM-040318 KU MAJOR STORM-053118	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles, Towers, and Fix	515,903 266.586	(515,901) (266,585)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CKM062618		KU-136400-KY Poles, Towers, and Fix	22,566	(22,565)	-						-							-							
CKM070518	KU MAJOR STORM-070518	KU-136400-KY Poles, Towers, and Fix		1	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CRPOLE156	Pole Repair/Replace - 011560	KU-136400-KY Poles, Towers, and Fix		145,717	113,552	115,077	137,104	145,816	132,126	150,915	137,431	139,384	138,130	147,002	124,985	140,611	138,192	129,189	147,233	111,327	132,060	147,302	136,394	145,986	152,609
CRPOLE216 CRPOLE236	Pole Repair/Replace - 012160 Pole Repair/Replace - 012360	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles. Towers, and Fix	-	71,070 93.834	33,694 42,576	38,694 42,576	33,694 42.576	33,694 42.576	33,694 57.819	38,889 35.092	36,604 36.855	38,889 36.855	36,604 36,855	36,604 36,855	32,035 64.855	36,604 36,855	36,604 36,855	31,117 36.855	36,604 36.855	36,604 36.855	36,604 36.855	40,101 35,756	37,815 37.864	40,101 37.566	37,815 37,566
CRPOLE236	Pole Repair/Replace - 012460	KU-136400-KY Poles, Towers, and Fix	-	47,383	172.135	58.021	74.625	61,220	52,513	55,664	54,675	57.897	56,953	68.014	58.360	65.864	71.214	67.655	69.979	55,664	59,565	60,786	61.239	65.828	62.501
CRPOLE256	Pole Repair/Replace - 012560	KU-136400-KY Poles, Towers, and Fix		94,305	62,223	50,168	67,604	71,017	85,510	66,297	52,486	48,792	50,184	57,089	41,925	78,150	32,892	27,834	59,604	67,914	36,612	59,740	51,150	51,031	45,425
CRPOLE315	Pole Repair/Replace - 013150	KU-136400-KY Poles, Towers, and Fix		66,460	86,883	72,930	86,641	77,787	73,445	86,448	80,266	76,501	80,266	86,143	92,992	96,074	85,321	82,377	90,363	83,122	81,317	87,138	85,471	82,682	84,333
CRPOLE366 CRPOLE416	Pole Repair/Replace - 013660 Pole Repair/Replace - 014160	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles. Towers, and Fix	-	110,555 21.727	36,175 56,926	45,688 36.717	(15,345) 36.717	45,688 36,717	46,988 28.387	50,519 34.697	44,869 37.028	42,764 37.765	39,243 51.755	42,614 32,856	31,488 37.519	36,987 39,851	42,614 38.808	42,764 55.130	43,753 38.808	42,614 27.947	35,999 37.274	53,658 34.460	45,783 42.346	43,667 37.916	42,430 54.646
CRPOLE426	Pole Repair/Replace - 014160	KU-136400-KY Poles, Towers, and Fix		22,716	39,699	42,000	39,700	42,000	42,000	23,183	22,214	20,925	22,214	20,925	22,214	25,442	26,731	20,925	22,214	20,925	23,333	24,375	22,126	22,126	23,394
CTPD156	Capital Thrd Party - 011560	KU-136400-KY Poles, Towers, and Fix	7,626	4,632	1,500	(4,256)	2,044	4,761	1,500	9	2,619	(2,224)	1,330	4,852	2,108	7,406	3,108	1,330	4,852	3,108	1,330	(5)	2,583	(2,228)	1,314
CTPD216 CTPD236	Capital Thrd Party - 012160	KU-136400-KY Poles, Towers, and Fix	(5,317)	14,930	9,093	16,377 25,000	16,377	6,377	6,377	6,691	6,691	6,691	6,691	6,691	6,691	6,691	6,691 18.038	6,691	6,691	6,691	5,402	6,659	6,659 12,770	6,659	6,659
CTPD236 CTPD246	Capital Thrd Party - 012360 Capital Thrd Party - 012460	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles, Towers, and Fix	11,586 1,611	15,964 1,216	33,720 (2,281)	25,000	20,372	19,308 2,433	29,193	17,811 1,339	17,583 1,786	19,346 447	20,682 1,339	28,190 1,786	23,209 1,339	31,260 1,786	18,038	24,664 1,786	22,900 1,748	28,190 1,786	17,157 1,786	13,003 1,335	12,770	14,579 499	15,950 1,335
CTPD256	Capital Thrd Party - 012560	KU-136400-KY Poles, Towers, and Fix	16,121	(3,714)	4,883	(787)	2,486	5,947	(3,371)	6,194	2,982	3,348	4,270	6,027	2,424	4,168	5,383	1,780	9,330	5,739	8,041	5,511	2,030	5,877	2,316
CTPD315	Capital Thrd Party - 013150	KU-136400-KY Poles, Towers, and Fix	(1,378)	42,198	16,736	6,711	6,711	6,691	6,645	13,654	14,337	2,799	7,199	6,543	12,398	29,661	14,309	15,309	12,309	14,260	12,605	13,493	14,180	4,773	7,041
CTPD366	Capital Thrd Party - 013660	KU-136400-KY Poles, Towers, and Fix	(5,716)	(2,422)	11,761	2,819	4,045	2,704	3,862	(656)	2,910	4,049	2,910	1,622	2,910	4,049	2,910	1,622	4,199	(656)	4,049	(692)	2,854	3,992	3,992
CTPD416 CTPD426	Capital Thrd Party - 014160 Capital Thrd Party - 014260	KU-136400-KY Poles, Towers, and Fix KU-136400-KY Poles. Towers, and Fix	(804) 18,122	2,932 (9,871)	(43) 5,704	(43) 3,251	3,900 5,704	5,704	3,922	6,153	4.349	6.153	3.091	2,332 6,153	2,332 3,546	2,332 4,349	2,332 3.091	2,332 4.349	5.349	3,091	5.349	6,114	4,316	8.365	3.067
134864	DSP SHELBYVILLE NORHT DIST	KU-136500- KY Overhead Conductor		-	-	-	-	-	-,	-	-	-	-	-	-	2,302	11,046	26,328	16,664	-	2,302	-	-	-	-
143111	VERSAILLES BYPASS-0507 CIFI	KU-136500- KY Overhead Conductor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149,500	-	-	-	-	-	-	-	
149049 150218	Rec Cir 154 Stan to Hust KU Ky Wired Non-reimb	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	10.842	6.592	12.050	12.050	12.050	12.050	12.050	10,016	10,016	10,016	10,016	12,301	7,732	12,301	12,301	5,858	2,284	2,284	-	-	-		-
150218	KU Ky Wired Reimbursable	KU-136500- KY Overhead Conductor	943	(349)	12,030	12,030	12,030	12,030	12,030		-							-							
150279	LAWRENCEBURG 2515 KU CIFI 2017	KU-136500- KY Overhead Conductor	-	(1,932)	-		-			-	-														
150331	KU FIBERTECH NON-REIMB	KU-136500- KY Overhead Conductor		4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150333 150379	KU FIBERTECH REIMBURSABLE Meldrum 0390 Ckt Hard 2017	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	(O) O	13.228	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
150749	Calloway 0311 CIFI 2017	KU-136500- KY Overhead Conductor	108,381	0	- 15,226		-		11,189	-	-	-	-									-			
152599	DSP Paris Circuit 805	KU-136500- KY Overhead Conductor	-	4,692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
152633	DSP Kenton to Wedonia Ckt	KU-136500- KY Overhead Conductor			199,364	58,827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152757 152792	Dan Remove Roundhill Line Richmond N. Sub	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	597.734	(25,002) 134,353	10,000 62,123	10,000 27,806	5,000 72,200		-						- 1		- 1		- 1	-	-				
152792	Mt. Vernon Substation Dist	KU-136500- KY Overhead Conductor	2,227	0	90,000	90,000	90,000	65,970	54,111		-	-	-		-			-			-	-	-	-	
152803	Ric Remove Roundhill	KU-136500- KY Overhead Conductor		-	-		-	-		-	-	-	-	-	(7,000)	-	-	-	-	-	-	-	-		-
152818 152820	KU Dist Capacitors	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor		(6,573)	93.185	163,000	100 000	163.000		- 149 279		-					-	-	-	-	-	-	-	-	-
152820 152838	DSP Viley 2 Dist Dist Capacitors KU 2018	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	371,841	57,265 (0)	93,185 38.667	163,000 33,239	28,199	163,000 32.558	7,183	149,279	149,279	155,722	150,568	155,722	149,279	6,443					-	-			
152840	Hume Rd Sub phase 2 dist	KU-136500- KY Overhead Conductor	123,134	151,000	260,267	260,267	260,267	260,267	260,267	-	-							-		-	-	-	-		
152860	Paynes Mill Rd Sub/Dist/fds	KU-136500- KY Overhead Conductor	-	-	-	-	-	-		-	-	-	-	106,251	109,967	117,849	106,251	123,003	107,390	121,714	113,383	-	-	-	-
152865	N1DT STR Stonewall 2 Dist	KU-136500- KY Overhead Conductor	302,125		177,120	175,000	175,000	175,000	171,572	-	-	-	-	-	-	-	-		-	-	-	-	-		-
153715 153779	Pineville Tower Shawnee Gas 4402 Ckt Hard 2017	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor		(O) (O)	-				3,425 43,192		-	-									-	-			
153780	Pineville 0303 Ckt Hard 2017	KU-136500- KY Overhead Conductor	-	-	-		-		105,000	-	-														
153788	Danville East 2113 CIFI 2017	KU-136500- KY Overhead Conductor	-	(24,131)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153790	Etown 2 2411 CIFI 2017	KU-136500- KY Overhead Conductor	-	(3,746)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153793 153803	Alexander 0515 CIFI 2017 Fairfield 2503 KU CIFI 2017	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	(4,415) 713	-	-	-			-	-	-	-	-	-		-	-			-	-	-	-	-
153816	Beattyville Hwy 52	KU-136500- KY Overhead Conductor	-	(1,432)	-	-	-			-	-	-		-	-			-		-			-		
154105	CKT 2522 TRANS UNDERBLD	KU-136500- KY Overhead Conductor	-	5,801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154115 154119	NB CKT 0101 UPGRADE (REYNOLDS) UG Williamsburg Trailer Park	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	194,907	147,101 735	39,353	(695)	(695)	(695)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154119	TRANS UNDERBUILT PARKWAY	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	336,158	61.006	50,000	50,000	28,317				-	-	-	-	-	-		-				-	-		-
154277	2017 Tap Line LEXOC	KU-136500- KY Overhead Conductor		(9,769)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154278	2017 Tap Line EAROC	KU-136500- KY Overhead Conductor	213,666	(11,551)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
154287 154471	Paris 0806 CEMI 2017 Lexington CEMI 2017	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	(1,313) (4,188)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154471	Barton Distillery Ckt Work	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	13,510	(~,100)	5,756	19,860	-			-		-	-	-	-	-	-	-		-		-	-	-	-
154516	Peoples Rural Phone Reimb	KU-136500- KY Overhead Conductor	109,322	(20,727)	-	-	-	-	-	-	-	-		-	-		-	-	-	-		-	-	-	-
155272	London Ckt 200 Main St Recon	KU-136500- KY Overhead Conductor	-	23,211	40,000	40,000	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155273 155274	Lon Manchester Ckt 253 TO 254 Recon Ckt 2136 Gwen Island	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	(0) (8,558)	20,383	30,000	30,000	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
155275	Middlesboro Ckt 0360 Reloc	KU-136500- KY Overhead Conductor	-	(8,558)	143,182	18,421	18,421	18,421	17,269	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155276	Denham St Ckt 531 Upgrade	KU-136500- KY Overhead Conductor	150,260	(9,304)	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
155277	Ckt 286 Echo Vally Slate Ridge	KU-136500- KY Overhead Conductor	-	(0)	35,778	40,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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155278 155390	DSP Sandy Ridge Ckt 0674 Maysville Tap Line 2017	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	(0) (5,221)	98,831	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-
155474	Pride Distribution Work	KU-136500- KY Overhead Conductor	147,123	16.421			-	-	-	-				-		-			-			-	-		-
155693	Shelbyville CEMI 2017	KU-136500- KY Overhead Conductor	,	568	-	-	-	-		-	-	-		-	-	-	-	-	-						-
155812	Hartford URD	KU-136500- KY Overhead Conductor	-	(4,304)	-	-	-	-	-	-	-	-		-	-	-	-	-	-			-	-	-	-
155886	Maysville Trans Line Clear	KU-136500- KY Overhead Conductor	31,798	5,341	24,046	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156217 156218	2018 CIFI - Fariston 0217 2018 CIFI - Hopewell 0286	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	221,455 152.085	(2,780) 47.534	34,244	(F 1F7)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156220	2018 CIFI - Hopeweii 0286 2018 CIFI - Waitsboro 0533	KU-136500- KY Overhead Conductor	252,033	12,920	(5,056)	(5,157)				-					-			-		-					-
156228	2018 CIFI - Evarts 4476	KU-136500- KY Overhead Conductor	137,062	(26,639)	(5,756)	104,811	-	-	-	-	-		-	-	-	-			-	-	-	-	-		
156229	2018 CIFI - Cawood 0418	KU-136500- KY Overhead Conductor	193,852	35,859	22,032		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156235	2018 CIFI - Versailles W 0512	KU-136500- KY Overhead Conductor	145,738	(17,870)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156237	2018 CIFI - Cynthiana 0853	KU-136500- KY Overhead Conductor	23,724	8,778	40,777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156238 156244	2018 CIFI - Detroit Harv 801 2018 CIFI - Richmond 3 2109	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	35,643	(11,236) (909)	-				-				-		-	-		-	-	-	-		-		-
156249	2018 Ckt Hard - Kenton 0924	KU-136500- KY Overhead Conductor	269,261	62,274	46,052	-	-	-			-			-	-	-						-			-
156250	2018 Ckt Hard - Rogers Gap 451	KU-136500- KY Overhead Conductor	84,390	36,226	84,982	72,919	76,673	69,611	56,899	-	-	-		-	-	-		-	-			-			-
156251	2018 Ckt Hard-Hodgenville 2430	KU-136500- KY Overhead Conductor	205,635	176,230	51,145	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-
156254	2018 Ckt Hard - Leb Junc 2402	KU-136500- KY Overhead Conductor	93,287	(29,854)	34,369	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156377 156406	2018 CEMI - Install TripSavers Shelbyville Trans Transfers	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	33,535	12,687 22.069	13,360	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-			-
156423	2018 CEMI - Pineville Recl's	KU-136500- KY Overhead Conductor	8,013	(9,039)	104,256					-					-			-	-						-
156427	CEMI 2018 - Mul'brg Prison 657	KU-136500- KY Overhead Conductor	30,170	24,038	-	-	-	-						-	-	-			-			-			
156433	Shelbyville Trans Transfers2	KU-136500- KY Overhead Conductor		17,836	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156463	Somerset Dist Underbuild 2018	KU-136500- KY Overhead Conductor	32,978	11,625	20,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156498 156618	CEMI 2018 - Bedford 0700 Finchville Control House Distr	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	36.166	23.043	45,564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156655	Greenville URD Replacement	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	36,166	23,043 8,687	44,421																				-
156685	2018 CEMI - Winchester Water	KU-136500- KY Overhead Conductor	38,430	(418)	,								_							_					-
156686	2018 Ckt Hard - Rice Ln Recond	KU-136500- KY Overhead Conductor	-	(6,788)	-	72,969				-	-				-	-						-	-		-
156817	2018 Earl Trans Line Clear	KU-136500- KY Overhead Conductor	3,481	(227)	-	-	-	-	-	-	-	-		-	-	-	-	-	-			-	-	-	-
156829	2018 CEMI - Burgin Ckt 2131	KU-136500- KY Overhead Conductor	20,515	(2,446)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157597	Ckt Hardening Ckt 0302	KU-136500- KY Overhead Conductor	124,406	24,448	361,963	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157620 157742	Munfordville Ckt Hardening Calhoun Distr Work for XM	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	69.456	84,213 108.985	69,627 284	63,321 284	284	284	284				-		-	-		-	-	-	-		-		-
157754	2018 CEMI - Newtown 0431	KU-136500- KY Overhead Conductor	29,706	(355)	-	-	-	-	-						-	-									-
157816	2018 CEMI - Totz 0468	KU-136500- KY Overhead Conductor		(7,306)	13,500	18,005	7,321			-	-				-	-						-	-		-
157817	2018 CH - Calloway 0312	KU-136500- KY Overhead Conductor	-	(6,868)	29,332	5,756	60,026	-	-	-	-	-		-	-	-	-	-	-			-	-	-	-
158060	2018 CEMI - Taylorsville 2530	KU-136500- KY Overhead Conductor		19,617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158093 163011	2018 CEMI - Totz 0468 Sub	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	(3,633)	26,763	-	18,619	-	-	8,563	- 8,563	- 8,563	13,313		13,313	13,313		13,313	8,563	8,563	- 8,563	8,562	8,563	8.563	13,312
163011	SIO Fuse Savings KU SIO Rel KU UG FCI Install	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor		-	-				-	173,403	173,403	173,403	205,411	13,313 205,411	205,411	205,411	13,313 205,411	205,411	173,403	173,403	173,403	173,403	173,403	173,403	205,411
163020	Ckt 2209 Columbia S #6 CU	KU-136500- KY Overhead Conductor								7.146	6.150	5.004	7.288	5.004	5.004	4.711	2.284	205,411	1/3,403	1/3,403	1/3,403	1/3,403	1/3,403	1/3,403	205,411
163021	Ckt 2215 Lebanon S City Conn	KU-136500- KY Overhead Conductor			_					7,438	14,570	14,570	14.570	14.570	12.286	14,570	14,570	14.570	6.150	2.284					-
163022	DSP Beech Creek 4kV to 12kV	KU-136500- KY Overhead Conductor	-		-	-	-	-		-			28,599	31,969	31,969				-	-		-			-
163023	DSP Beechmont 4kV to 12kV	KU-136500- KY Overhead Conductor	-	-	-	-	-	-	-	-	-	-	69,918	69,918	72,150	-	-	-	-	-	-	-	-	-	-
163024	DSP Madisonville E Municipal	KU-136500- KY Overhead Conductor	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161,397	-	-	-	-	-	-	-
163025 163029	DSP American Ave Ckt 0008	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor		-	-	-	-	-	-	-	-	30,591 60.564	11,597	10,309 66,039	28,480	11,597	12,420	26,370	-	-	-	-	-	-	
163029 163030	Whitley City 0576 13.2-12.4kV Aisin Ckt 4618 to Fariston Ind	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	-	-	-			-	-	-	105,665	63,762	63,762	31,881	-	-	-	-	-	-	-	-	-	-
163031	Williamsburg S Ckt 0227 Upg	KU-136500- KY Overhead Conductor										103,003	03,702	19.329	27,326	3,416									
163038	Deer Branch Ckt 0320 Relo	KU-136500- KY Overhead Conductor		-	-	-	-	-	-	-	-		-	150,152	-	-			-	-	-	-	-		
163039	Middlesboro 1 Ckt 0366 Alt	KU-136500- KY Overhead Conductor							-					69,727		-	-						-		-
163040	Middlesboro 1 Ckt 0366 Main				-	-	-												-					-	-
163041 163042	Middlesboro 2 Ckt 355 Amble	KU-136500- KY Overhead Conductor	-	-	-	-	-	-	-	-	-	-	-	100,531	-	-	-	-	-	-	-	-	-		-
		KU-136500- KY Overhead Conductor	-	-	-	-	-	-	•	-	-	-	-	60,169	-	-	-	-	-	-	-	-		-	
	Middlesboro 2 Ckt 355 to 364	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	-	-	-		-	-	-					(4.000)	-	-	-	-	-	-	-		-	-
163044	Irvine/Dark Hollow Tie	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	-	-	-	-	-	-	-	63,675	- - - 63,675	- - - 64,230	60,169 52,048	- - (4,000)	- - - -	-	-	-			-			-
		KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	- - - -	-	-						- - - 63,675 -	- - - 63,675 -	- - - 64,230 -	60,169	(4,000) 35,153	- - - - 40,153	-	-	-		-	- - - - 28,465	- - - - 82,302	- - - - 53,187	-
163044 163045 163047 163048	Irvine/Dark Hollow Tie Reconductor Irvine Broadway	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	- - - - -	-	-		-				-	-	-	60,169 52,048 - 40,708	35,153	- - - - 40,153 - 104,456	- - - - - 103,305	- - - - - - 104,456	- - - - - - 86,116	- - - - - - 31,211	- - - - - - 9,207	- - - - - 28,465	- - - - - 82,302	- - - - 53,187	-
163044 163045 163047 163048 163049	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	-			- - - - - - - -		-	- - - - - - - 90,645	- - - 63,675 - - - 90,645	- - - 63,675 - - - - 90,645	- - - 64,230 - - - - 90,645	60,169 52,048		-	- - - - - - 103,305 88,068	- - - - - 104,456 84,202	86,116 72,516	31,211 12,136	- - - - - 9,207 4,603	- - - - - 28,465 -	- - - - - 82,302	- - - - - 53,187 - -	-
163044 163045 163047 163048 163049 18XMUB156	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution 2018 XM Underbuild EAROC	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	- - - - - - - -					23,001	- - - - - - - 25,649	- - - - - - 90,645	-	-	-	60,169 52,048 - 40,708	35,153	104,456						- - - - 28,465 - -	82,302 - - - - -	- - - - 53,187 - -	-
163044 163045 163047 163048 163049 18XMUB156 18XMUB216	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution 2018 XM Underbuild DANOC 2018 XM Underbuild DANOC	KL1-36500- KY Overhead Conductor KL1-36500- KY Overhead Conductor KU-136500- KY Overhead Conductor		57,665	57,665	57,665	- - - - - - - 23,001 57,665	- - - - - - - 23,001 57,665	- - - - - - - 25,649 52,739	- - - - - - 90,645	-	-	-	60,169 52,048 - 40,708	35,153	104,456						28,465	82,302 - - - - - -	53,187 - - - - - -	
163044 163045 163047 163048 163049 18XMUB156 18XMUB216 18XMUB236	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 3231 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild DANOC 2018 XM Underbuild RICOC	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	- - - - - - - - 19,519	57,665 9,765	57,665 (1,151)	57,665 (1,151)	57,665	57,665	52,739	90,645	-	-	-	60,169 52,048 - 40,708	35,153	104,456						28,465	82,302 - - - - - - -	53,187 - - - - - -	
163044 163045 163047 163048 163049 18XMUB156 18XMUB216 18XMUB236	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild ANOC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC	KL1-36500- KY Overhead Conductor KL1-36500- KY Overhead Conductor KU-136500- KY Overhead Conductor	- - - - - - - - 19,519	57,665	57,665	57,665				- - - - - - 90,645 - - -	-	-	-	60,169 52,048 - 40,708	35,153	104,456						28,465 - - - - - - -	82,302 - - - - - - - -	53,187 - - - - - - - -	
163044 163045 163047 163048 163049 18XMUB156 18XMUB216 18XMUB236 18XMUB236	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild ANOC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC	KLI-136500- KY Overhead Conductor		57,665 9,765 28,437	57,665 (1,151) 20,490 44,117 5,456	57,665 (1,151) 21,366 44,117 5,456	57,665 - 21,490	57,665 - 21,490	52,739	- - - - - - 90,645 - - - -	-	-	-	60,169 52,048 - 40,708	35,153	104,456						28,465 - - - - - - - - -	82,302 - - - - - - - - - -	53,187 - - - - - - - - -	
163044 163045 163047 163048 163049 18XMUB156 18XMUB216 18XMUB236 18XMUB256 18XMUB315 18XMUB316	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Cft 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild LEXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild MEXOC 2018 XM Underbuild PINOC	KU-136500- KY Overhead Conductor		57,665 9,765 28,437 48,836 5,457 (1,151)	57,665 (1,151) 20,490 44,117 5,456 23,646	57,665 (1,151) 21,366 44,117 5,456 7,511	57,665 - 21,490 44,117 5,456 7,511	57,665 - 21,490 44,117 4,325 7,511	52,739 - 21,958 44,117 5,456 7,511	90,645	-	-	-	60,169 52,048 - 40,708	35,153	104,456						- - 28,465 - - - - - -	82,302 - - - - - - - - - -	- - - 53,187 - - - - - - -	
163044 163045 163047 163048 163049 18XMUB156 18XMUB216 18XMUB236 18XMUB355 18XMUB315 18XMUB366 18XMUB3416	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2322 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaiGrange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild CAROC 2018 XM Underbuild SHCOC 2018 XM Underbuild SHCOC 2018 XM Underbuild SHCOC 2018 XM Underbuild SHCOC 2018 XM Underbuild MYOC 2018 XM Underbuild MYOC 2018 XM Underbuild MYOC 2018 XM Underbuild MYOC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC	KLI-136500- KY Overhead Conductor	38,609	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582	57,665 - 21,490 44,117 5,456 7,511 10,582	57,665 - 21,490 44,117 4,325 7,511 10,582	52,739 - 21,958 44,117 5,456 7,511 10,582	-	90,645	90,645	90,645 - - - - - - - - -	60,169 52,048 - 40,708 - - 90,645 - - - - -	35,153 - - 90,645 - - - - - -	- 104,456 97,550 - - - - - - -	88,068 - - - - - - -	84,202 - - - - - - - -	72,516 - - - - - - - -	12,136	4,603 - - - - - -	-			
163044 163045 163047 163048 163049 18XMUB216 18XMUB236 18XMUB235 18XMUB315 18XMUB315 18XMUB446 18XMUB446 18XMUB446	Invine/Dark Hollow Tie Reconductor Irvine Broadway Cit 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP Isdirange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild CROC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild PINOC	KLJ-136500- KY Overhead Conductor		57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880	52,739 - 21,958 44,117 5,456 7,511 10,582 43,571		-	-	-	60,169 52,048 - 40,708	35,153 - - 90,645 - - - - - - - - - - - - - - - - - - -	- 104,456 97,550 - - - - - - - - - - - - - - - - - -	88,068 - - - - - - - - - - - - - - - - - - -	84,202 - - - - - - - - - - - - - - - - - -	72,516			28,465	82,302 	53,187 - - - - - - - - - - - - - - - - - - -	
163044 163045 163047 163049 18XMUB156 18XMUB156 18XMUB256 18XMUB355 18XMUB355 18XMUB315 18XMUB416 18XMUB416 CCAPR156	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ctt 3221 Alterna Feed Rich Ctr DSP Fairfield Distribution 5018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC 2018 XM Underbuild EXOC 2018 XM Underbuild EXOC 2018 XM Underbuild HOROC 2018 XM Underbuild HOROC 2018 XM Underbuild LOROC 2018 XM Underbuild LOROC 2018 XM Underbuild PINOC 2018 XM Underbuild PINOC 2018 XM Underbuild PINOC 2018 XM Underbuild LOROC	KU-136500- KY Overhead Conductor	38,609 - - - - 865	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582	57,665 - 21,490 44,117 5,456 7,511 10,582	57,665 - 21,490 44,117 4,325 7,511 10,582	52,739 - 21,958 44,117 5,456 7,511 10,582		90,645	90,645 - - - - - - - - - - - - - -	90,645	60,169 52,048 - - - - - - - - - - - - - - - - - - -	35,153 - - 90,645 - - - - - - - - - - - - - - - - - - -	- 104,456 97,550 - - - - - - - - - - - - - - - - - -	88,068 - - - - - - - - - - - - - - - - - - -	84,202 - - - - - - - -	72,516 - - - - - - - -	12,136	4,603 - - - - - -		- - - - - - - - - - - - -	- - - - - - - - - - - - - -	-
163044 163045 163047 163048 163049 18XMUB216 18XMUB216 18XMUB256 18XMUB316 18XMUB366 18XMUB366 CCAPR156 CCAPR236	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ckt DSP Fairfield Distribution DSI LaGrange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHOC 2018 XM Underbuild HOCC 2018 XM Underbuild HOCC 2018 XM Underbuild HOCC 2018 XM Underbuild HOCC 2018 XM Underbuild CAROC 2018 XM Und	KL1-36500- KY Overhead Conductor	38,609 - - - 865 - 12,781	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880	52,739 - 21,958 44,117 5,456 7,511 10,582 43,571 10,588	-	90,645	90,645	90,645 - - - - - - - - -	60,169 52,048 - 40,708 - - 90,645 - - - - -	35,153 - - 90,645 - - - - - - - - - - - - - - - - - - -	- 104,456 97,550 - - - - - - - - - - - - - - - - - -	88,068 - - - - - - - - - - - - - - - - - - -	84,202 - - - - - - - 3,520 13,615	72,516	12,136	4,603 - - - - - -	-			
163044 163045 163047 163049 18XMUB156 18XMUB156 18XMUB256 18XMUB355 18XMUB355 18XMUB315 18XMUB416 18XMUB416 CCAPR156	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Ctt 3221 Alterna Feed Rich Ctr DSP Fairfield Distribution 5018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC 2018 XM Underbuild EXOC 2018 XM Underbuild EXOC 2018 XM Underbuild HOROC 2018 XM Underbuild HOROC 2018 XM Underbuild LOROC 2018 XM Underbuild LOROC 2018 XM Underbuild PINOC 2018 XM Underbuild PINOC 2018 XM Underbuild PINOC 2018 XM Underbuild LOROC	KU-136500- KY Overhead Conductor	38,609 - - - - 865	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189 10,567	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880 10,567	52,739 - 21,958 44,117 5,456 7,511 10,582 43,571		90,645	90,645 - - - - - - - - - - - - - -	90,645	60,169 52,048 - - - - - - - - - - - - - - - - - - -	35,153 - - 90,645 - - - - - - - - 3,520 8,624 4,610	- 104,456 97,550 - - - - - - - - - - - - - - - - - -	88,068 - - - - - - - - - - - - - - - - - - -	84,202 - - - - - - - - - - - - - - - - - -	72,516	12,136	4,603 - - - - - -		- - - - - - - - - - - - -	- - - - - - - - - - - - - -	9,530 -
163044 163045 163047 163048 163049 18XMU8216 18XMU8236 18XMU8235 18XMU8235 18XMU8315 18XMU8416 18XMU8416 18XMU8416 CCAPR236 CCAPR236 CCAPR236 CCAPR246 CCAPR246 CCAPR246 CCAPR246 CCAPR246 CCAPR246 CCAPR246 CCAPR246 CCAPR246	Irvine/Dark Hollow Tre Reconductor Irvine Broadway Cft 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild EXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild EXOC 2018 XM	KU-136500- KY Overhead Conductor	38,609 - - - - - - - - - - - - - - - - - - -	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617)	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880	52,739 - 21,958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750)		90,645	90,645 - - - - - - - - - - - - - -	90,645 - - - - - - - - - - - - - - - - - - -	60,169 52,048 	35,153 - - 90,645 - - - - - - - - - - - - - - - - - - -	104,456 97,550 	88,068 - - - - - - - - - - - - - - - - - - -	84,202 - - - - - - - 3,520 13,615	72,516	12,136	4,603 - - - - - -		- - - - - - - - - - - - -	- - - - - - - - - - - - - -	-
163044 163045 163047 163048 163049 18XMU8216 18XMU8236 18XMU8236 18XMU8315 18XMU8315 CCAPR126 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR26 CCAPR27 CCAPR27 CCAPR27 CCAPR27 CCAPR27	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild HONC Capital CAP/REG/RECL - 011560 Capital CAP/REG/RECL - 012460 Capital CAP/REG/RECL - 014160 Capital CAP/REG/RECL - 014260 CAPITAL GAP/REG/RECL - 014260 CAPITAL GAP/REG/RECL - 014260 CAPITAL CAP/REG/RECL - 014260 CAPITAL CAPI	KL1-36500- KY Overhead Conductor KU-136500- KY Overhead Conductor	38,609 - - - - - - - - 12,781 961 - - - 13,726 103,879	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617) (72,881)	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40 40,000	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189 10,567 - - 40,000	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000	52,739 - 21,958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750) 30,000	11,506 - 13,346	90,645 	90,645 	90,645 	60,169 52,048	35,153 	104,456 97,550 	88,068 - - - - - - - - - - - - - - - - - - -	84,202 - - - - - - - 3,520 13,615 - 3,620 -	72,516 7,984 3,327	12,136	4,603 - - - - - - - 3,520 - - - -	11,429	- - - - - - - - - - - - - - - - - - -	- - - - - - - - - - - - - - - - - - -	9,530 - 67,236 -
163044 163045 163047 163048 163049 18XMU8216 18XMU8236 18XMU8236 18XMU8315 18XMU8416 18XMU8416 18XMU8416 CCAPR236 CCAPR246 CCAPR246 CCAPR246 CCAPR246 CXPR246 CXPR246 CXPR246 CXPR246 CXPR246 CXPR246 CXPR246 CXPR246 CXPR246	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution DSP LaGrange East Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild LEXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild HEXOC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC 2018 XM Underbuild PINOC 2018 XM Underbuild PINOC 2018 XM Underbuild PINOC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC 2018 XM Underbuild CAROC 2018 XM Underbuild LEXOC 2018 X	KU-136500- KY Overhead Conductor	38,609 - - - - - - - - - - - - - - - - - - -	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617) (72,881) 3,147	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40 40,000	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189 10,567 40,000 24,616	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000 - - 17,901	52,739 - 21,958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750) 30,000 - 8,451	11,506 - 13,346 - 22,010	90,645 - - - - - - - - - - - - - - - - - - -	90,645 - - - - - - - - - - - - - - - - - - -	90,645 - - - - - - - - - - - - - - - - - - -	60,169 52,048	35,153 - 90,645 	104,456 97,550 	88,068 	84,202 - - - - - - - - - - - - - - - - - -	72,516 - - - - - - - - - - - - - - - - - - -	12,136 	4,603 - - - - - - - 3,520 - - - - - - - - - - - - - - - - - - -	11,429 - 8,974	6,984	6,984 - 8,564 - 18,367	9,530 - 67,236 - - 16,144
163044 163045 163047 163048 163049 18XMU8156 18XMU8236 18XMU8256 18XMU8366 18XMU8366 18XMU8366 18XMU8366 CAPP1256 CCAPP126 CCAPP126 CCAPP146 CCAPP146 CCAPP146 CCAPP147 CCAPP1	Invine/Dark Hollow Tie Reconductor Invine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild HONC Capital CAP/REG/RECL - 011560 Capital CAP/REG/RECL - 012460 Capital CAP/REG/RECL - 014160 Capital CAP/REG/RECL - 014160 Capital CAP/REG/RECL - 014260 KYTC Reimb Eitzabethtown KYTC Reimb London NB Comm OH - 011560 NB Comm OH - 012160	KL1-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617) (72,881) 3,147	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000 - - 24,616 105,816	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40 40,000 - - 16,141 44,935	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189 10,567 - 40,000 - 24,616 55,310	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880 10,567 - 40,000 - 17,901 48,983	21,939 44,117 5,456 7,511 10,582 - (2,750) 30,000 - 8,451 38,598	11,506 - 13,346 	90,645 	90,645 - - - - - - - - - - - - - - - - - - -	90,645 	60,169 52,048	35,153 	104,456 97,550 	88,068 - - - - - - - - - - - - -	84,202 	72,516 - - - - - - - - - - - - - - - - - - -	12,136 	4,603 - - - - - - 3,520 - - - - - - - - - - - - - - - - - - -	11,429 - 8,974 	6,984 - 6,984 - 16,144 49,504	6,984 - - - - - - - - - - - - - - - - - - -	9,530 - 67,236 - - 16,144 50,773
163044 163045 163047 163048 163049 18XMU8216 18XMU8236 18XMU8236 18XMU8315 18XMU8315 18XMU8416 18XMU8416 18XMU8416 CCAPR236 CCAPR236 CCAPR246 CCAPR	Irvine/Dark Hollow Tie Reconductor Irvine Broadway Cit 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild GROC 2018 XM Underbuild GROC 2018 XM Underbuild FROC 2018 XM Underbuild FROC 2018 XM Underbuild FROC 2018 XM Underbuild PROC 2018 XM Underbuild 20	KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617) (72,881) 3,147 110,952 8,778	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - - - - 24,616 105,816 15,721	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40,000 - - 16,141 44,935 18,000	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189 10,567 	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880 10,567 	21,739 21,938 44,117 5,456 7,511 10,588 - (2,750) 30,000 - - 8,451 38,598 15,561	11,506 - 13,346 	90,645 	90,645 - - - - - - - - - - - - - - - - - - -	90,645 - - - - - 5,753 - 9,575 - 68,296 - - 15,314 51,193	60,169 52,048 - 40,708 - 90,645 9,273 - 9,575 - 11,290 - 19,779 51,193 23,794	35,153 	104,456 97,550 	88,068 	84,202 	72,516 - - - - - - - - - - - - - - - - - - -	12,136 	4,603 - - - - - - 3,520 - - - - - - - - - - - - - - - - - - -	11,429 - 8,974 - 22,813 53,174 23,032	6,984 - 6,984 - 8,974 - 16,144 49,504 22,895	6,984 - 6,984 - 8,564 - 18,367 50,773 27,312	9,530 - 67,236 - - 16,144 50,773 22,155
163044 163045 163047 163048 163049 18XMU8156 18XMU8216 18XMU8266 18XMU8366 1	Invine/Dark Hollow Tie Reconductor Invine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild HONC Capital CAP/REG/RECL - 011560 Capital CAP/REG/RECL - 012460 Capital CAP/REG/RECL - 014160 Capital CAP/REG/RECL - 014160 Capital CAP/REG/RECL - 014260 KYTC Reimb Eitzabethtown KYTC Reimb London NB Comm OH - 011560 NB Comm OH - 012160	KL1-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617) (72,881) 3,147	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000 - - 24,616 105,816	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40 40,000 - - 16,141 44,935	57,665 - 21,490 44,117 5,456 7,511 10,582 33,189 10,567 - 40,000 - 24,616 55,310	57,665 - 21,490 44,117 4,325 7,511 10,582 50,880 10,567 - 40,000 - 17,901 48,983	21,939 44,117 5,456 7,511 10,582 - (2,750) 30,000 - 8,451 38,598	11,506 - 13,346 	90,645 	90,645 - - - - - - - - - - - - - - - - - - -	90,645 - - - - - - - - - - - - - - - - - - -	60,169 52,048	35,153 	104,456 97,550 	88,068 - - - - - - - - - - - - -	84,202 	72,516 - - - - - - - - - - - - - - - - - - -	12,136 	4,603 - - - - - - 3,520 - - - - - - - - - - - - - - - - - - -	11,429 - 8,974 - - 22,813	6,984 - 6,984 - 16,144 49,504	6,984 - - - - - - - - - - - - - - - - - - -	9,530 - 67,236 - - 16,144 50,773
163044 163045 163047 163048 163049 18XMU8216 18XMU8236 18XMU8236 18XMU8315 18XMU8416 18XMU8416 18XMU8416 18XMU8416 CCAPR236 CCAPR236 CCAPR246 CCAPR246 CCAPR246 CCAPR246 CXTCR	Invine/Dark Hollow Tie Reconductor Invine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild GAROC 2018 XM Underbuild GAROC 2018 XM Underbuild GAROC 2018 XM Underbuild GAROC 2018 XM Underbuild HOROC Capital CAP/REG/RECL - 011560 Capital CAP/REG/RECL - 011260 Capital CAP/REG/RECL - 011260 Capital CAP/REG/RECL - 011260 CAPITAL GAP/REG/RECL - 011260 CAPITAL GAP/REG/RECL - 011260 NTCR Reimb Einzabethtoom NTCR Reimb Londoon NB Comm OH - 011260 NB Comm OH - 012360 NB Comm OH - 012360 NB Comm OH - 012360	KL1-136500- KY Overhead Conductor	38,609 - - - - - - - - - - - - - - - - - - -	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617) (72,881) 3,147 110,952 8,778 11,193	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000 - 24,616 105,816 15,721 66,232	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40,000 - - 16,141 44,935 18,000 17,464	21,490 44,117 5,456 7,511 10,582 33,189 10,567 	21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000 - - 17,901 48,983 18,000 20,387	21,958 44,117 5,456 7,511 10,582 43,571 10,588 (2,750) 30,000 - - 8,451 38,598 15,561 16,967	11,506 - 13,346 22,010 53,563 22,913 22,095	90,645 	90,645 	90,645 	60,169 52,048 - 40,708 - 90,645 9,273 - 11,290 - 19,779 51,193 23,794 26,279	35,153 	104,456 97,550 - - - - - - - - - - - - - - - - - -	88,068 	84,202 	72,516	12,136 	4,603 	11,429 - 8,974 - 22,813 53,174 23,032 21,692	6,984 - - - - - - - - - - - - - - - - - - -	6,984 - 6,984 - 8,564 - 18,367 50,773 27,312	9,530 - 67,236 - 16,144 50,773 22,155 21,701
163044 163045 163047 163048 163049 18XMU8156 18XMU8216 18XMU8236 18XMU8366 18XMU8366 18XMU8366 18XMU8366 18XMU8366 CCAPR236 CCAPR	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild PINOC 2018 XM Underbuild 2018 XM U	KLJ-136500- KY Overhead Conductor	38,609 - - - - - - - - 12,781 961 - 13,726 103,879 22,907 22,091 10,593 17,650 53,651 92,383 24,926	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 6,179 (13,617) (72,881) 3,147 110,952 8,778 11,193 24,071 93,069 68,078	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000 - 24,616 105,816 15,721 66,232 32,267 118,829 55,107	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - - 40,000 - - 16,141 44,935 18,000 17,464 27,718 103,632 53,916	57,665 21,490 44,117 5,456 7,511 10,582 33,189 10,567 - - - - 24,616 55,310 15,720 21,111 25,444 115,171 53,916	21,490 44,117 4,325 10,582 50,880 10,567 - - - 40,000 - - 17,901 48,983 18,000 20,387 28,983 111,810 53,916	2,739 2,958 44,117 5,456 7,511 10,582 43,571 10,582 6,251 30,000 - - 8,451 38,598 15,661 16,967 33,532 111,298 53,916	11,506 - 13,346 - 22,010 53,563 22,913 22,095 27,285 112,815 63,855	90,645 	90,645 	90,645 	60,169 52,048	35,153 	104,456 97,550 	88,068 	84,202 	72,516	12,136 	4,603 	11,429 8,974 22,813 53,174 23,032 21,692 26,456 117,691 64,591	6,984 - - - - - - - - - - - - - - - - - - -	6,984 - 8,564 - - - 18,367 50,773 27,312 19,247 19,246 117,308 60,100	9,530 - 67,236 - - 16,144 50,773 22,155 21,701 32,467 117,691 55,609
163044 163045 163047 163048 163048 163049 18XMU8216 18XMU8236 18XMU8236 18XMU8315 18XMU8315 18XMU8426 CCAPR136 CCAPR136 CCAPR236 CCAPR246 CCAPR246 CXYTCR246 CXYTCR246 CXYTCR246 CXNECD2460 CNECD2460 CNECD2460 CNECD2460 CNECD2460 CNECD3150 CNECD315	Invine/Dark Hollow Tie Reconductor Invine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild HONC 2018 XM Un	KLI-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 0 45,179 (13,617) (72,881) 3,147 110,952 8,778 11,193 24,071 93,069 68,078	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - - 40,000 - - 24,616 105,816 15,721 66,232 32,267 118,829 55,007	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - - 40,000 - - 16,141 44,935 18,000 17,464 27,718 103,632 53,916 7,401	57,665 21,490 44,117 5,456 7,511 10,582 33,189 10,567 - - 40,000 - - 24,616 55,310 15,720 21,111 25,444 115,171 53,916 7,401	57,665 21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000 - 17,901 48,983 18,000 20,387 28,983 111,810 53,916 6,140	21,958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750) 30,000 	11,506 - 13,346 - 22,010 53,563 22,913 22,095 112,815 63,855 6,995	90,645 	90,645 	90,645 	60,169 52,048 40,708 - 90,645	35,153 	104,456 97,550 	88,068 	84,202 	72,516	12,136	4,603 	11,429 - 8,974 - 22,813 53,174 23,032 21,692 26,456 117,691 64,591	8,974 		9,530 - 67,236 - - 16,144 50,773 22,155 21,701 32,467 117,691 55,609 7,182
163044 163045 163047 163048 163049 18XMU8156 18XMU8216 18XMU8256 18XMU8316 18XMU8346 1	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild FIROC 2018 XM Underbuild FIROC 2018 XM Underbuild FIROC 2018 XM Underbuild FIROC 2018 XM Underbuild PIROC 2018 XM Underbuild PIROC 2018 XM Underbuild PIROC 2018 XM Underbuild EAROC 2018 XM Underbuild 2018 XM Underb	KL1-36500- KY Overhead Conductor KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 818,106 046,179 (13,617) (72,881) 3,147 110,952 8,778 11,193 24,071 93,069 68,078 17,256 22,054	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 40,000 - - 24,616 105,816 15,721 66,232 32,267 118,829 55,107 15,021 34,336	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - - 0 40,000 - - 16,141 44,935 18,000 17,464 27,718 103,632 53,916 7,401	21,496 44,117 5,456 7,511 10,582 33,189 10,567 - 40,000 - 24,616 55,310 25,424 115,171 53,916 7,401	21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000 - - 17,901 48,983 18,000 20,387 28,983 111,810 53,916 6,140 27,285	2,739 2,1958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750 3,000 - - 8,451 38,598 15,561 16,967 33,512 111,298 53,916 139,021 24,985	11,506 13,346 - 22,010 53,563 22,913 22,095 27,285 6,995 28,411	7,041 	7,041 	90,645 	60,169 52,048 40,708 90,645 9,273 - 9,575 11,290 - 19,779 51,193 23,794 26,279 35,024 125,550 59,344 4,663 34,162	35,153 	104,456 97,550 	88,068 	84,202 	72,516	12,136 	4,603 	11,429 - 8,974 - 22,813 53,174 23,032 21,692 26,456 117,691 64,591 6,967 28,201	6,984 	6,984 	9,530 - 67,236 - - 16,144 50,773 22,155 21,701 32,467 117,691 55,609 7,182 31,515
163044 163045 163047 163048 163048 163049 18XMU8216 18XMU8236 18XMU8236 18XMU8315 18XMU8315 18XMU8426 CCAPR136 CCAPR136 CCAPR236 CCAPR246 CXYTCR246 CXYTCR246 CXYTCR246 CXYTCR25 CNECD1260 CNECD2460 CNECD2460 CNECD2460 CNECD2460 CNECD3450	Invine/Dark Hollow Tie Reconductor Invine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild HNOC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild HNOC 2018 X	KIL136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 046,179 (13,617) (72,881) 3,147 11,052 8,778 11,193 24,071 93,069 68,078 17,256 22,054 (38,107)	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000 - 24,616 105,816 15,721 66,232 32,267 118,829 55,107 15,021 34,336 54,070	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40 40,000 - 16,141 44,935 18,000 17,464 27,718 103,632 53,916 7,401 29,736 37,216	57,665 -21,490 44,117 5,456 7,511 10,582 33,189 10,567 - - 40,000 - - 24,616 55,310 15,720 21,111 25,444 115,171 53,401 30,847 7,401 30,847 8,401 8,40	21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000 - 17,901 18,983 18,000 20,387 28,983 111,810 53,910 6,140 27,285	2,739 2,958 44,117 5,456 7,511 10,582 43,571 10,588 2 (2,750) 30,000 2 8,451 38,598 15,561 16,967 33,532 111,298 53,916 139,021 24,985 40,747	11,506 - 13,346 - 22,010 53,563 22,913 22,095 27,285 112,815 6,995 28,411 50,830	90,645 	90,645 	90,645 	60,169 52,048 - 40,708 - 90,645 9,273 11,290 - 11,290 - 11,290 - 11,290 - 12,779 51,193 23,794 26,279 25,024 125,550 59,344 4,162 55,295	35,153 90,645 	104,456 97,550 	88,068 	84,202 	72,516	12,136	4,603 	8,974 	8,974 	8,564 	9,530 - 67,236 16,144 50,773 22,155 21,701 32,467 117,691 55,609 7,182 31,515 50,163
163044 163045 163047 163048 163049 18XMU8156 18XMU8216 18XMU8256 18XMU8316 18XMU8366 18XMU8346 18XMU8346 18XMU8366 1	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild FIROC 2018 XM Underbuild FIROC 2018 XM Underbuild FIROC 2018 XM Underbuild FIROC 2018 XM Underbuild PIROC 2018 XM Underbuild PIROC 2018 XM Underbuild PIROC 2018 XM Underbuild EAROC 2018 XM Underbuild 2018 XM Underb	KL1-36500- KY Overhead Conductor KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 818,106 046,179 (13,617) (72,881) 3,147 110,952 8,778 11,193 24,071 93,069 68,078 17,256 22,054	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 40,000 - - 24,616 105,816 15,721 66,232 32,267 118,829 55,107 15,021 34,336	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - - 0 40,000 - - 16,141 44,935 18,000 17,464 27,718 103,632 53,916 7,401	21,496 44,117 5,456 7,511 10,582 33,189 10,567 - 40,000 - 24,616 55,310 25,424 115,171 53,916 7,401	21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000 - - 17,901 48,983 18,000 20,387 28,983 111,810 53,916 6,140 27,285	2,739 2,1958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750 3,000 - - 8,451 38,598 15,561 16,967 33,512 111,298 53,916 139,021 24,985	11,506 13,346 - 22,010 53,563 22,913 22,095 27,285 6,995 28,411	7,041 	7,041 	90,645 	60,169 52,048 40,708 90,645 9,273 - 9,575 11,290 - 19,779 51,193 23,794 26,279 35,024 125,550 59,344 4,663 34,162	35,153 	104,456 97,550 	88,068 	84,202 	72,516	12,136 	4,603 	11,429 - 8,974 - 22,813 53,174 23,032 21,692 26,456 117,691 64,591 6,967 28,201	6,984 	6,984 	9,530 - 67,236 - - 16,144 50,773 22,155 21,701 32,467 117,691 55,609 7,182 31,515
163044 163045 163047 163048 163049 18XMUB156 18XMUB216 18XMUB256 18XMUB256 18XMUB315 18XMUB315 18XMUB316 18XMUB416 1	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alkerna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild SHEOC 2018 XM Underbuild PINOC 2018 XM Underbuild 2018 XM Underbui	KL1-36500- KY Overhead Conductor KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 046,179 (13,617) (72,881) 3,147 110,952 8,778 11,193 24,071 193,069 68,078 17,256 22,054 (38,107) 40,731	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - 40,000 - - 24,616 105,816 15,721 66,232 32,267 118,829 55,107 118,829 55,107 13,4336 54,070 25,786	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 - 40 40,000 - 16,141 44,935 18,000 17,464 27,718 103,632 53,916 7,401 29,736 37,216	57,665 21,490 44,117 5,456 7,511 10,587 - - - - - - - - - - - - - - - - - - -	57,665 21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - - 40,000 - - 17,901 48,983 18,000 20,387 28,983 111,810 53,916 6,140 27,285 47,446 19,181	21,958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750) 30,000 - 8,451 38,598 11,696 33,532 111,298 53,916 139,021 24,985 40,747 16,979	11,506 - 13,346 - 22,010 53,563 22,913 22,095 27,285 63,85	90,645 	7,041 - 7,041 - 8,459 - 15,314 51,193 23,794 19,581 24,528 106,939 54,835 9,327 25,034 50,830 27,296	90,645 	60,169 52,048 40,708	35,153 	104,456 97,550 	88,068 	84,202 	72,516	12,136	4,603 	11,429 - - - - - - - - - - - - - - - - - - -	6,984 	6,984 	9,530 - 67,236 - 16,144 50,773 22,155 21,701 32,467 117,691 55,609 7,182 31,515 50,163 30,275
163044 163045 163047 163048 163049 18XMU8216 18XMU8216 18XMU8236 18XMU8216 18XMU8216 18XMU8315 18XMU8315 18XMU8416 1	Invine/Dark Hollow Tie Reconductor Irvine Broadway Cit 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild RICOC 2018 XM Underbuild GPINOC 2018 XM Underbuild FINOC 2018 XM Underbuild FINOC 2018 XM Underbuild PINOC 2018 XM Underbuild 2018 XM	KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 46,179 (13,617) (72,881) 3,147 110,952 8,778 11,193 24,071 93,069 68,078 17,256 68,078 17,256 17,256 18,107 17,066 18,107 18,957 7,106 14,664	57,665 (1,151) 20,490 44,117 5,456 23,646 10,582 30,880 7,567 570 - - - 24,616 105,816 105,816 105,816 15,721 166,2267 118,829 55,107 15,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 57,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 54,070 25,780 57,021 34,336 54,070 57,021 5	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 	21,490 44,117 5,456 7,511 10,582 33,189 10,667 - 40,000 - 24,616 55,310 15,720 21,111 25,444 115,171 53,916 7,401 30,839 15,087 16,878	21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - 40,000 - 17,901 48,983 111,810 53,916 6,140 27,285 47,446 19,181 27,640 21,929	21,958 44,117 5,456 7,511 10,582 43,571 10,588 (2,750) 30,000 - - 8,451 33,532 111,298 53,916 139,021 24,985 40,747 16,979 40,000 19,634 2,723	11,506 - 13,346 - 22,010 53,563 22,913 22,095 27,285 112,815 63,855 6,995 28,411 50,830 27,296 31,396 25,301 16,388	90,645 	90,645 	90,645 	60,169 52,048	35,153 90,645 	9,273 13,615 5,110 	88,068 	84,202	72,516	12,136 	4,603 	11,429 8,974 22,813 53,174 23,032 21,692 26,456 117,691 64,591 50,163 28,439 34,783 24,924 16,291			
163044 163045 163047 163048 163049 18XMU8216 18XMU8216 18XMU8236 18XMU8216 18XMU8315 18XMU8315 18XMU8416 1	Invine/Dark Hollow Tie Reconductor Irvine Broadway Ckt 2321 Alterna Feed Rich Ctr DSP Fairfield Distribution 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild EAROC 2018 XM Underbuild RICOC 2018 XM Underbuild SHEOC 2018 XM Underbuild SHEOC 2018 XM Underbuild HONC 2018 XM Underbuild	KL1-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	38,609 	57,665 9,765 28,437 48,836 5,457 (1,151) 10,384 24,306 68 18,106 0 45,179 (13,617) (72,881) 3,147 110,952 8,778 11,193 24,071 93,069 68,078 17,256 22,054 (38,107) 40,731 18,957 7,106	57,665 (1,151) 20,490 44,117 54,117 54,117 54,046 23,646 105,880 7,567 570 - 40,000 - 24,616 105,816 15,721 118,829 55,107 118,829 55,107 134,336 54,070 54,070 54,070 18,021 34,336 54,070 57,720 18,103	57,665 (1,151) 21,366 44,117 5,456 7,511 10,582 28,571 9,067 40,000 - 16,141 44,935 18,000 17,464 27,786 20,736 37,216 25,786 28,155 20,172	57,665 21,490 44,117 5,456 7,511 10,567 - - - - - - - - - - - - - - - - - - -	21,490 44,117 4,325 7,511 10,582 50,880 10,567 - - - 17,901 48,983 18,000 20,387 22,387 22,387 24,406 40,400 27,285 47,446 19,181 27,640 21,929	21,958 44,117 5,456 7,511 10,582 43,571 10,588 - (2,750) 30,000 -	11,506 13,346 	90,645 	90,645 	90,645 	60,169 52,048 -40,708	35,153 90,645 	104,456 97,550 97,550 	88,068 	84,202 	72,516	12,136	4,603 	11,429 - 8,974 - 22,813 53,174 23,032 21,692 26,456 117,691 64,591 64,591 64,591 50,163 28,439 34,783 24,924	6,984 	6,984 	9,530 67,236 - 16,144 50,773 22,155 21,701 32,467 117,691 55,609 7,182 31,515 50,163 30,275 34,120

Attachment to Response to KIUC-1 Question No. 28(c) Page 9 of 12 Arbough

																								42.142	Arb
	NB Resid OH - 013660 NB Resid OH - 014160	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	41,273 44,255	33,221 42,879	33,732 14,910	33,777 32,289	36,047 31,214	36,015 452	33,293 452	37,866 27,981	38,005 23,317	37,866 32,644	41,399 51,298	37,866 38,787	40,260 35,413	40,121 28,417	39,143 37,744	40,121 33,081	40,260 37,744	37,866 34,369	36,866 29,706	37,651 32,512	37,790 23,222	42,142 32,512	51,089
CNBRD4260		KU-136500- KY Overhead Conductor	36,067	39,514	36,051	31,605	38,276	31,605	31,605	39,401	37,143	28,111	36,174	30,370	24,884	32,627	36,174	32,627	35,854	33,597	33,597	39,190	36,940	30,191	35,958
	NB Elect Serv OH - 011560	KU-136500- KY Overhead Conductor	26,959	74,893	65,684	65,280	64,136	64,136	60,661	53,408	49,887	51,176	45,423	51,176	45,423	56,929	56,929	48,299	56,929	53,408	50,274	53,969	50,477	52,701	52,701
CNBSV2160 CNBSV2360	NB Elect Serv OH - 012160 NB Elect Serv OH - 012360	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	22,563 18,476	36,265 24.754	25,540 16.034	25,540 18.286	27,312 16,034	25,540 16,034	25,796 18.276	27,296 33,479	27,296 22.389	27,296 23,498	27,296 22.389	29,125 23,498	30,414 16,953	30,414 21.280	28,585 22.389	27,296 20,171	27,296 26.826	27,296 19.062	27,296 21,280	28,439 34.078	27,171 22.705	27,171 25.554	27,171 22.705
CNBSV2360 CNBSV2460		KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	42,042	18.834	33.294	35.062	36.318	32.389	33.856	35,479	35.214	37.447	35.214	23,498 39.679	34.714	35.214	39,679	35.214	35.214	31.351	35.214	34,078	34.923	37.148	34.923
CNBSV256O		KU-136500- KY Overhead Conductor	12.623	49.219	9.274	8.084	11.372	11.372	11.372	12.798	13.765	15.743	19.703	15.743	14,777	14.777	15.743	8.838	12.798	12.154	12.476	12.097	12.731	18.584	19.608
CNBSV315O		KU-136500- KY Overhead Conductor	59,552	76,996	77,312	90,349	74,791	70,449	66,511	78,128	63,445	73,542	69,321	91,168	71,266	92,002	86,948	66,755	81,439	72,542	80,150	77,723	64,726	80,277	71,034
CNBSV366O		KU-136500- KY Overhead Conductor	23,896	52,950	29,221	29,149	29,221	29,149	3,527	28,545	31,123	28,867	32,261	31,123	24,356	28,867	32,261	28,867	29,834	31,123	28,717	28,409	30,946	33,191	32,085
CNBSV416O	NB Elect Serv OH - 014160	KU-136500- KY Overhead Conductor	16,465	34,243	22,752	19,183	23,943	20,373	11,970	16,322	16,322	18,654	18,654	18,654	20,679	20,679	24,054	24,054	25,097	20,433	20,433	16,256	16,256	23,222	19,846
CNBSV4260 CPBWK156	NB Elect Serv OH - 014260 El Public Works - 011560	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	34,721 (33,192)	37,525 14.430	32,699 15.189	35,000 10.571	32,699 22.117	35,000 15.189	30,428 10.571	36,766 11.794	27,734 8,273	31,280 2.520	31,280 2.520	41,490 15,314	29,023 4.753	43,748 8.273	40,312 11.794	33,427	36,766 17.547	25,476 8.273	27,734 2,831	38,819 13,921	27,571 9.475	33,339 2.492	31,089
CPBWK136	El Public Works - 011560	KU-136500- KY Overhead Conductor	(55,192)	2.598	45.816	45.816	6.954	5,816	3,539	5.858	5.858	7.146	7.146	7.146	7.146	7.146	7.146	7.146	7.146	5.858	7.686	5.842	7.676	7,110	7.110
CPBWK236	El Public Works - 012360	KU-136500- KY Overhead Conductor	(7,820)	2,224	16,680	16,700	50,000	32,500	15,200	13,083	10,039	9,755	10,039	10,865	2,495	9,755	11,150	10,309	13,367	9,755	10,039	13,279	10,152	9,867	10,152
CPBWK246	El Public Works - 012460	KU-136500- KY Overhead Conductor	-	0	86,210	12,063	-	-	-	-	-	13,201	12,705	12,705	12,205	12,705	12,705	12,632	12,136	-	-	-	-	13,240	13,240
CPBWK256	El Public Works - 012560	KU-136500- KY Overhead Conductor	19,507	22,055	15,183	11,823	27,098	4,823	4,318	-	-	9,482	16,616	15,009	2,577	2,577	10,621	15,933	14,087	12,468	8,104	-	-	9,414	16,527
CPBWK315 CPBWK366	El Public Works - 013150 El Public Works - 013660	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	39,302 49,223	(13,810) 31.957	83,194 26.098	89,523 6.098	100,268 8.414	86,581 6.098	70,576 6.098	55,640 8.676	53,936 8,676	53,542 7.537	54,313 9.676	66,355 8.676	57,914 6.420	60,023 8.676	67,326 11.931	50,154 10.931	62,211 9.793	66,633 8.676	62,122 9.676	60,346 10.851	53,628 8.606	55,312	56,068 9.606
CPBWK366 CPBWK416	El Public Works - 013660 El Public Works - 014160	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	49,223 32,135	31,957 7.461	(10,931)	6,098 11.668	5,834	5,834	6,098 26.695	6.886	6,886	7,537 3.416	9,676 5,748	5,748	5,420 5,748	3,416	11,931 5,748	10,931 5.748	9,793 5.748	5,748	9,676 6.886	6.877	6.877	7,468 3.416	9,606 5.738
CPBWK426	El Public Works - 014260	KU-136500- KY Overhead Conductor	15.213	42.321	9.326	8.175	9.327	8.175	7.579	7.132	9,559	9,559	7.132	9,559	9,559	7.132	9,559	9,559	7.132	8.420	7.132	7.092	9,499	9,499	8.230
CRDD1560	Capital Rep Def OH - 011560	KU-136500- KY Overhead Conductor		54,096	94,149	96,202	90,329	93,867	93,200	108,146	93,166	93,810	96,042	100,506	83,593	98,275	98,275	85,826	99,218	83,593	86,596	107,538	94,199	98,646	100,868
CRDD2160	Capital Rep Def OH - 012160	KU-136500- KY Overhead Conductor	-	31,972	23,943	20,627	22,763	19,446	19,446	20,235	20,235	16,576	20,235	20,235	8,813	22,520	22,520	19,402	17,573	20,776	7,525	20,176	20,176	16,506	20,176
CRDD236O	Capital Rep Def OH - 012360	KU-136500- KY Overhead Conductor	-	39,930	16,731	21,234	16,731	18,982	19,467	18,551	18,551	18,551	18,551	18,551	1,551	18,551	18,551	18,551	18,551	18,551	18,551	18,665	18,665	18,665	18,665
CRDD2460	Capital Rep Def OH - 012460 Capital Rep Def OH - 012560	KU-136500- KY Overhead Conductor	-	4,417	4,169 12.435	3,720 15.737	6,106 14.557	3,605 12.997	3,720 10.443	6,883 22.383	6,754 16.766	6,754 23.320	4,521 15.375	6,754 16.766	3,074 9.027	5,637 18.613	5,414	5,637 17.221	11,219	3,404 14.465	3,404 11.330	6,719 21.345	6,719 16,657	8,943 24 585	4,496 15,268
CRDD2560 CRDD3150	Capital Rep Def OH - 012560 Capital Rep Def OH - 013150	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor		98.561	12,435 82.938	83.572	66.215	80.300	47.745	92,029	74,995	79.383	86.852	93,534	87.203	99,499	100.182	83.175	90.895	93.824	88.691	91.527	78.311	24,585 81.040	15,268 88 485
CRDD3150	Capital Rep Def OH - 013660	KU-136500- KY Overhead Conductor	-	39,227	24.602	24.047	24.693	21.576	78.213	30.823	28.717	26.312	22.918	28.567	17.441	26.312	25.173	26.312	28.717	26.312	26,462	30,686	28.570	28,440	23.949
CRDD4160	Capital Rep Def OH - 014160	KU-136500- KY Overhead Conductor	-	24,969	9,977	9,935	9,962	(85)	(43)	2,332	3,620	3,620	-	11,904	6,198	-		8,529	9,572	8,284	5,952	3,591	3,591	5,913	-
CRDD4260	Capital Rep Def OH - 014260	KU-136500- KY Overhead Conductor	-	41,724	27,177	24,345	36,164	19,476	30,203	17,263	17,263	20,679	15,006	17,263	20,679	15,006	17,263	18,421	15,006	15,006	17,263	17,174	17,174	22,997	14,924
CRELD156	Capital Reliability - 011560	KU-136500- KY Overhead Conductor	-	4,693	6,346	3,168	9,301	7,256	2,045	15,026	9,273	9,273	3,520	7,041	7,041	12,794	12,794	3,520	12,794	9,273	5,753	16,190	10,475	9,206	3,492
CRELD216	Capital Reliability - 012160	KU-136500- KY Overhead Conductor	-	23,626	6,120	6,382	3,937	4,198	4,198	5,858	7,146	7,146	7,146	7,146	7,146	7,146	7,146	7,146	5,858	5,858	5,858	5,842	7,110	7,110	7,110
CRELD236 CRELD246	Capital Reliability - 012360 Capital Reliability - 012460	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	5,797 (7.739)	4,162 2.000	9,162 4.154	9,162 8.355	9,162 3,337	9,327 3.864	9,043 11.487	9,043 5.904	9,043 4.788	9,043 5,904	9,043 5.134	14,825 5.404	9,043 4.788	9,043 5.904	9,043 4,788	11,262 6.652	9,043 4.788	9,043 10.370	9,111 11.436	9,111 5.877	9,111 4.765	9,111 5.877
CRELD246 CRELD256	Capital Reliability - 012460 Capital Reliability - 012560	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor		16,327	5,149	4,154 3,136	6,058	4,027	4,027	8,194	5,904	4,788 3.591	9,758	7,180	7,180	4,788 17.489	5,904	4,788 3,591	7,180	4,788 5.892	5.892	8.146	5,877	8.146	7,122
CRELD315	Capital Reliability - 012300	KU-136500- KY Overhead Conductor		19,774	22,574	15,687	17,365	21,677	16,810	28,552	23,193	23,193	26,441	57,368	24,331	47,526	26,441	22,221	25,303	24,331	23,193	28,421	23,077	25,180	26,318
CRELD366	Capital Reliability - 013660	KU-136500- KY Overhead Conductor	_	5.900	42.636	5.222	5.222	5.222	5.222	11.620	10.504	9.365	10.504	11.620	8.248	9.365	12,758	11.620	12.758	9.365	8.248	11.551	10.444	9.305	10.444
CRELD416	Capital Reliability - 014160	KU-136500- KY Overhead Conductor	-	28,959	18,757	15,157	157	128	128	9,218	14,127	14,127	14,127	14,127	11,795	10,656	12,988	11,795	11,795	9,368	10,656	9,199	14,059	14,059	14,059
CRELD426	Capital Reliability - 014260	KU-136500- KY Overhead Conductor	-	5,125	5,214	7,177	10,420	10,424	10,420	11,497	9,239	14,074	9,239	13,756	11,817	11,497	11,497	14,074	9,239	11,497	9,239	11,461	9,211	13,998	9,211
CSTRM156	Cap Minor Storms - 011560	KU-136500- KY Overhead Conductor	101,533	(33,540)	10,788	-	8,983	19,807	10,788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSTRM216	Cap Minor Storms - 012160	KU-136500- KY Overhead Conductor	9,782	(38,138)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSTRM236 CSTRM246	Cap Minor Storms - 012360 Cap Minor Storms - 012460	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	6,870 29.523	(8,579) (47,501)	-	-	-		-	-	-	-		-	-	-		-	-	-	-	-	-		-
CSTRM256	Cap Minor Storms - 012560	KU-136500- KY Overhead Conductor	15,170	(19,213)																					
CSTRM315	Cap Minor Storms - 012300	KU-136500- KY Overhead Conductor	87.077	(97,966)																					
CSTRM366	Cap Minor Storms - 013660	KU-136500- KY Overhead Conductor	17,572	76,949	19,904	-	5,428			-	-		-	-	-	-	-				-		-		-
CSTRM416	Cap Minor Storms - 014160	KU-136500- KY Overhead Conductor	72,373	(64,682)	3,749	5,624	11,249	11,249	11,249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSTRM426	Cap Minor Storms - 014260	KU-136500- KY Overhead Conductor	39,103	81,360	11,780	5,385	7,685	5,385	5,385	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CSTRMKU	Cap KU Major Storms	KU-136500- KY Overhead Conductor	-	1,124,231	136,530	96,292	27,093	12,043	52,509	60,298	148,990		133,286	184,500	158,244	641,273	261,407	80,842	59,589	60,664	73,965	62,236	153,302	253,986	137,324
CTBRD216O	Cap Trouble Orders OH - 011560 Cap Trouble Orders OH - 012160	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	17,971 6.752	16,705 6,500	20,000 6.500	12,591 6.500	25,221 8.271	14,395	12,406 6.691	8,852 6.691	10,628 6.691	12,406 6.691	12,406 6.691	18,570 6.691	35,017 6.691	15,471 6.691	10,173 6.691	12,406 6,691	26,621 6.691	21,290 7.231	10,126 6.659	8,806 6.659	10,578 6.659	12,350 6.659
CTBRD236O		KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	(850)	7.548	7,576	6,548	6.325	(280)	8,655	11.739	5,784	5,935	8.142	(23,412)	23.928	8 907	4.615	5.269	8.770	13.794	8.768	11.931	5.821	6,035
CTBRD246O	Cap Trouble Orders OH - 012460	KU-136500- KY Overhead Conductor	15,796	16,783	20,578	8,774	8,900	14,226	13,338	7,780	11,336	7,780	7,780	11,336	16,527	20,054	13,113	8,670	9,026	15,780	14,329	7,756	11,301	7,756	7,756
CTBRD256O	Cap Trouble Orders OH - 012560	KU-136500- KY Overhead Conductor		19,370	11,579	11,510	535	810	579	11,647	5,437	5,437	7,739	9,586	5,437	5,892	7,739	7,739	3,591	5,431	5,892	11,584	5,401	5,401	7,694
CTBRD3150		KU-136500- KY Overhead Conductor	-	26,914	22,175	22,284	20,436	20,200	25,824	14,696	8,364	10,108	13,874	15,529	18,473	25,460	15,529	13,418	16,350	12,963	8,860	14,631	8,323	10,043	13,797
CTBRD366O		KU-136500- KY Overhead Conductor	-	20,605	9,004	11,345	7,743	9,004	10,193	10,083	9,911	11,371	11,199	8,794	11,371	10,083	7,655	11,371	12,338	7,655	10,233	12,281	9,874	12,442	12,281
CTBRD4160 CTBRD4260	Cap Trouble Orders OH - 014160	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	-	12,881	51,724	11,355	16,116	13,231 40,000	11,645 40,000	15,640 33,244	9,272 31,440	8,134 27,835	8,134 31,440	32,530 31,956	34,407 33,244	23,147	15,640 33,244	8,134 30,152	15,640 33,244	15,640 30,152	23,602 33,244	15,589 37,613	9,244 29,517	8,106	8,106 25,921
155944	Cap Trouble Orders OH - 014260 Somerset Trans Underbuild	KU-136500- KY Overhead Conductor KU-136500- KY Overhead Conductor	28.145	42,673	43,000	43,000	40,000	40,000	40,000	33,244	31,440	27,835	31,440	31,956	33,244	37,363	33,244	30,152	33,244	30,152	33,244	37,613	29,517	33,113	25,921
PBWK416OH		KU-136500- KY Overhead Conductor	(10.305)		-				_																-
PBWK366OH	Pub Wrk Reloc-OH-Maysville	KU-136500- KY Overhead Conductor	147,231		-		-	-		-	-	-			-		-	-	-	-	-	-			-
156381	Lex UG Vine to Race	KU-136700- KY Undergrnd Conductors	-	71,348	71,583	105,881	105,881	105,880	109,704	70,593	71,732	71,732	71,732	70,593	71,732	71,732	71,732	71,732	71,732	-	-	-	-	-	-
157616	Vine St 4kV Distribution	KU-136700- KY Undergrnd Conductors	-	-	-	-	-	-	-	-	-	-	-	106,251	111,106	116,560	106,251	120,576	109,817	121,714	113,383	-	-	-	-
157732 CNBCD156U	Cumberland Gap UG Bore NB Comm UG - 011560	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	1.580	(22,626) 19,925	129,705 19,737	3,571	12,809	10,499	5,880	15,026	10,562	10.562	12.794	10,562	- 8,330	15,026	19,490	8.330	12.794	7,041	- 5,324	15.876	- 7,937	7.937	11.429
CNBCD1560 CNBCD216U		KU-136700- KY Undergrad Conductors KU-136700- KY Undergrad Conductors	1,580	105,405	77,632	37,632	34,089	32,937	26,105	33,621	39,109	33,621	33,621	33,621	33,621	39,109	32,333	32,333	32,333	33,621	35,450	37.370	38,754	35,535	33,249
	NB Comm UG - 012360	KU-136700- KY Undergrid Conductors	8,822	9,007	60,720	29,639	32,004	30,876	27,515	35,906	31,471	33,689	31,471	35,906	27,034	31,471	33,689	31,471	42,561	27,034	24,816	37,016	32,378	37,899	33,482
CNBCD246U		KU-136700- KY Undergrnd Conductors	8,386	(31,589)	66,019	13,415	9,995	8,170	8,170	15,511	7,515	6,845	7,515	11,981	7,015	11,981	11,981	11,981	11,981	11,981	15,330	15,246	11,910	9,687	7,462
CNBCD256U		KU-136700- KY Undergrnd Conductors	29,620	36,809	47,647	26,457	14,837	17,111	14,837	19,334	21,117	23,482	17,676	30,844	26,884	27,378	26,884	23,937	28,731	19,334	24,582	18,584	23,284	22,717	24,754
CNBCD315U		KU-136700- KY Undergrnd Conductors	163,806	153,254	163,842	159,962	158,995	131,627	109,918	137,812	128,853	131,114	131,114	157,411	140,590	161,177	147,908	142,549	155,085	133,514	138,190	143,167	127,938	142,333	138,128
CNBCD366U		KU-136700- KY Undergrnd Conductors	19,270	11,579	30,910	17,660	17,660	17,660	17,660	14,025	15,164	19,825	19,675	18,536	18,708	18,536	19,675	19,825	19,675	18,536	18,708	13,926	15,065	21,932	19,557
	NB Comm UG - 014160 NB Comm UG - 014260	KU-136700- KY Undergrnd Conductors	8,211 15.830	5,000 (9.767)	11,029 13.066	13.066	14.218	4,831 13.066	4,831 11.805	2,332 9.670	9.670	2,332 9.670	4,909 15.345	4,909 19.879	4,663 23.315	4,909 29.008	2,332 11.929	4,909 9.670	3,620 9.670	3,620 9.670	3,620 9.670	2,322 9.573	9.573	2,322 11.823	4,860 15.239
CNBCD426U CNBRD156U		KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	18,564	36.742	30.385	47.062	28,151	25,920	17.062	25,587	25.587	25.587	25,587	35.804	26,876	29,008	31.340	29,109	31.340	26,876	16,676	29,842	25.396	25.396	25,396
	NB Resid UG - 011560	KU-136700- KY Undergrid Conductors	23,540	18,705	17,855	17,855	17,780	17,855	17,062	19,857	19,857	21,145	21,145	21,145	21,145	21,145	19,857	19,857	19,857	19,857	19,857	22,096	22,096	23,365	21,079
CNBRD236U		KU-136700- KY Undergrnd Conductors	44,332	41,452	22,597	24,766	15,720	5,000	5,067	23,858	22,194	23,858	22,749	23,303	17,313	22,749	23,303	22,194	27,186	19,422	21,640	24,279	22,573	25,924	23,141
CNBRD246U	NB Resid UG - 012460	KU-136700- KY Undergrnd Conductors	31,799	(36,382)	15,000	11,134	17,976	17,976	14,555	21,197	21,062	11,684	18,829	21,062	16,096	18,829	27,760	18,829	21,062	15,479	18,829	20,966	20,966	11,625	18,742
CNBRD256U		KU-136700- KY Undergrnd Conductors	36,632	50,679	43,706	29,162	25,887	27,599	25,887	26,515	35,204	30,105	30,879	31,888	41,615	36,492	30,105	27,438	24,214	18,447	19,609	26,218	36,545	32,828	32,636
CNBRD315U		KU-136700- KY Undergrnd Conductors	203,508	160,459	178,129	151,509	159,669	137,874	97,900	162,436	145,098	140,362	142,471	166,579	145,098	165,291	149,269	140,828	171,105	144,643	142,078	171,092	147,297	152,040	150,242
	NB Resid UG - 013660 NB Resid UG - 014160	KU-136700- KY Undergrad Conductors	15,972 4,659	11,810 3.248	5,771 4.606	14,096	14,096	14,096 48	643	13,703	16,281	16,281	14,992 3.620	14,992 3.620	12,737	14,992 3.620	14,992 3.620	17,247 3.620	18,536 5,952	13,703	12,737	13,635	16,172	18,418	14,904 3.591
CNBRD416U CNBRD426U		KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	4,659 66,216	3,248	4,606 15,900	3,453 15.981	3,453 15,900	48 13,676	18,124	15,006	15,325	2,332 19.841	3,620 18.871	3,620 16,614	2,332 18.871	3,620 23.388	3,620 21.129	3,620 21,129	5,952 17.583	2,332 13.067	10.490	14.924	- 15,212	2,322 20.980	3,591 18.730
CNBRD426U CNBSV156U		KU-136700- KY Undergrad Conductors KU-136700- KY Undergrad Conductors	23,724	(19,993) 44,730	15,900 42,456	15,981 38.781	15,900 45.710	13,676 43.781	18,124 23,964	15,006 39.614	15,325 29.397	19,841 29.397	18,8/1	16,614 41.846	18,871 33.862	23,388 37.382	21,129 35.150	21,129 31.629	17,583 33.862	13,067	10,490 23.217	14,924 40.271	15,212 28.842	20,980 32,333	18,730 32,333
CNBSV216U	NB Elect Serv UG - 011360	KU-136700- KY Undergrid Conductors	28,780	45,117	40,230	40,230	35,230	35,230	28,399	35,028	35,028	35,028	36,316	36,316	36,316	36,316	36,316	35,028	35,028	35,028	35,028	34,782	37,070	37,070	38,338
CNBSV236U		KU-136700- KY Undergrnd Conductors	23,610	34,304	31,182	33,516	31,182	45,759	21,249	39,565	30,108	30,662	30,662	31,771	36,245	29,553	31,771	29,553	38,426	28,999	29,568	41,472	32,942	34,957	33,511
CNBSV246U		KU-136700- KY Undergrnd Conductors	32,914	31,231	129,557	42,450	47,011	42,450	38,520	46,219	47,918	36,036	49,756	48,355	45,063	48,355	46,122	46,122	50,589	30,449	39,679	50,162	45,993	43,819	49,145
CNBSV256U	NB Elect Serv UG - 012560	KU-136700- KY Undergrnd Conductors	28,156	38,632	32,285	27,665	24,329	19,872	11,348	27,786	33,996	33,978	32,845	28,430	31,119	30,475	34,623	22,925	30,475	28,679	22,925	27,618	33,791	33,790	34,485
CNBSV315U		KU-136700- KY Undergrnd Conductors	174,544	185,605	187,482	166,178	183,545	152,295	131,455	175,359	148,153	157,554	151,085	177,470	152,891	171,429	188,477	163,975	182,968	158,844	173,932	176,498	153,579	169,582	154,413
CNBSV366U	NB Elect Serv UG - 013660	KU-136700- KY Undergrnd Conductors	19,400	22,941	79,594	30,746	26,102	26,140	24,951	31,583	31,466	29,327	24,818	29,327	24,818	27,072	27,072	29,327	30,466	29,327	26,783	31,376	31.270	31.376	25,779
CNIDCMATCH			2.044	0.710	0.505	4 002	7 202		21 100	0.204	7 244	7 244	E 0E2	10 616	11 004	0.572	7 244	7 241	E 0E2	2 620	4 662	0.226	. ,	. ,	E 012
CNBSV416U CNBSV426U	NB Elect Serv UG - 014160	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	3,044 29,584	8,710 66.557	9,505 36.551	4,903 31.951	7,283 36.551	31.952	31,190 28.612	8,284 35,797	7,241 29.023	7,241 30.311	5,952 34.828	10,616 40,632	11,904 19.021	9,572 37.086	7,241 37.086	7,241 34.828	5,952 34.828	3,620 24.507	4,663 33,539	8,236 35,588	7,182 31.089	9,504 32,358	5,913 36.857

Attachment to Response to KIUC-1 Question No. 28(c) Page 10 of 12 101 12 736 26.951 15,423 5,173 12,869 10,670 6,662 2,669 (1,777) 3,989 3,47bough

CRCST156	Cust Requested - 011560	KU-136700- KY Undergrnd Conductors	6,151	23,193	16,959	(3,260)	10,039	5,526	3,023	464	(1,768)	1,786	3,074	14,191	12,736	26,951	15,423	5,173	12,869	10,670	6,662	2,669	(1,777)	3,989	,Arb
CRCST216 CRCST236	Cust Requested - 012160 Cust Requested - 012360	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	(21,140) (31,076)	(9,990) (1,252)	5,736 1.954	5,736 4,206	4,187 2,454	(67) 4,706	1 50,418	8,435 5,724	8,435 2,952	7,435 6.478	8,723 6,831	8,723 10,004	8,723 (16,778)	8,723 12,648	8,723 13,430	8,723 2,952	8,435 9,052	8,435 6.478	8,435 2,952	8,379 818	8,379 (2,025)	8,379 1,593	8,379 1.956
CRCST246	Cust Requested - 012300	KU-136700- KY Undergrid Conductors	(1,767)	(5,622)	10,291		- 2,434		-	5,724		-		-	- (10,770)	-	-	-		-		- 010	-	-	-
CRCST256	Cust Requested - 012560	KU-136700- KY Undergrnd Conductors		15,234	(27,762)	3,623	2,806	3,648	1,449	11,177	8,965	11,267	9,798	7,497	11,087	12,101	12,101	5,375	3,907	2,060	7,586	10,557	9,575	15,254	9,646
CRCST315 CRCST366	Cust Requested - 013150 Cust Requested - 013660	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	69,322	(16,777) 2.996	37,692 22,454	38,261 2.899	28,306 2,899	16,571 4,768	5,148 2,084	27,140 7.227	21,887 2.544	16,645 2.683	25,998 4.821	27,941 11.737	20,500 427	45,403 4.971	30,052 11.587	24,998 4.938	33,162 4.800	28,107 7.227	29,396 8.331	26,701 7.167	25,713 4.760	20,475 2.653	24,610 4.792
CRCST416	Cust Requested - 014160	KU-136700- KY Undergrnd Conductors	-	12,430	(79)	(3)	128	0	0	9,368	9,518	7,186	8,475	8,475	13,138	13,138	13,138	10,806	7,186	7,186	8,325	9,329	9,459	7,137	8,405
CRCST426	Cust Requested - 014260	KU-136700- KY Undergrnd Conductors	-	14,766	17,958	14,242	12,385	15,263	10,000	18,591	16,333	16,333	16,333	16,333	16,333	18,591	18,591	16,333	18,591	16,333	16,333	19,636	16,247	17,386	16,247
CRDD156U CRDD216U	Capital Rep Def UG - 011560 Capital Rep Def UG - 012160	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	- 751	(883) 2.243	3,571 5.866	3,571	3,571 2.951	3,571	3,571	3,520 2.284	3,520 2.284	3,520 2.284	3,520 1.289	3,520 4.861	4,809 1.289	4,809 1.289	4,809 1.289	3,520	3,520 2.284	3,520	3,520	3,492 2.286	3,492 2.286	3,492 2.286	3,492 1.269
CRDD236U	Capital Rep Def UG - 012360	KU-136700- KY Undergrnd Conductors	-	8,396	3,548	3,540	3,048	2,909	2,910	2,607	2,607	2,607	2,607	2,607	(2,393)	2,607	2,607	2,607	2,607	2,607	2,607	2,625	2,625	2,625	2,625
CRDD246U CRDD256U	Capital Rep Def UG - 012460	KU-136700- KY Undergrad Conductors	-	250	5,124 1.549	3,921	-	-	- 274	-	-	4,196 2,302	1,289	4,603	3,679	1.289	4,603	4,015	-	-	2,302	-	-	3,969	1.269
CRDD2560 CRDD315U	Capital Rep Def UG - 012560 Capital Rep Def UG - 013150	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	48,926	(39) 52,886	44,562	37,325	48,904	44,057	41,200	49,792	43,461	38,407	38,495	4,800	52,192	62,035	4,603	45,116	49,336	46,833	45,210	49,467	43,159	2,293 41,639	39,033
CRDD366U	Capital Rep Def UG - 013660	KU-136700- KY Undergrnd Conductors	-	7,679	17,018	2,264			-	4,683	2,427	3,566	2,427	1,139	3,566	2,427	2,427	3,566	4,683	1,139	5,843	4,653	2,407	3,546	2,407
CRDD426U CSYSEN156	Capital Rep Def UG - 014260 Sys Enh - 011560	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	-	8,699 5.622	9.831	5,861 4,281	20,000 7.056	5,861 7,056	2.777	6,774 12,794	4,515 7,041	4,515 9.273	4,515 3.520	6,774 9,273	2,258 3.520	2,258 5.753	4,515 9,273	2,258	4,515 7,041	3.520	7.041	8,017 14.921	4,499 6.984	4,499 9.206	4,499 3.492
CSYSEN216	Sys Enh - 012160	KU-136700- KY Undergrid Conductors	-	45,252	29,171	32,206	32,176	32,057	34,943	22,114	22,114	22,114	22,114	23,944	22,114	22,114	25,773	22,114	22,114	23,951	19,837	22,008	22,008	22,008	23,842
CSYSEN236	Sys Enh - 012360	KU-136700- KY Undergrnd Conductors	-	9,489	6,067	6,067	10,067	8,067	6,446	4,323	4,323	4,323	4,323	4,323	(1,677)	4,323	4,323	4,323	4,323	4,323	4,323	4,365	4,365	4,365	4,365
CSYSEN246 CSYSEN256	Sys Enh - 012460 Sys Enh - 012560	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors		6,378 6,595	16,304 1,471	10,632 161	4,659 6,973	- 8,392	9,082	9,601 8,194	773 9,027	3,350 6,536	7,342 7,180	6,698 9,027	6,050 4,879	6,698 7,180	644 9,027	6,698 8,469	4,440 6,536	7,180	- 7,739	9,258 8,146	634 8,963	3,336 6,487	7,750 7,122
CSYSEN315	Sys Enh - 013150	KU-136700- KY Undergrid Conductors	-	58,594	62,202	52,465	57,164	47,852	47,707	44,369	40,148	39,176	46,591	44,597	40,010	61,631	49,273	55,566	48,906	42,486	41,803	44,146	39,941	43,182	46,284
CSYSEN366 CSYSEN416	Sys Enh - 013660 Sys Enh - 014160	KU-136700- KY Undergrnd Conductors	-	4,564	66,364 482	6,837	4,837	4,837	28,440	11,643	7,282	9,387	9,537	9,387	7,282	9,387	9,537	9,387	11,793	11,643	7,282	11,583	7,222	9,338	11,713
CSYSEN416 CSYSEN426	Sys Enh - 014160 Sys Enh - 014260	KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	-	8,212 9,403	482 15,000	(0) 25,000	(0) 25,000	10,381 25,133	59 11,117	2,332 9,539	9,539	2,332 11,967	2,332 9,539	2,332 10,828	4,663 11,967	4,909 10,828	2,332 11,967	4,663 11,967	4,663 10,828	4,663 9,539	4,663 10,678	2,322 9,471	9,471	2,322 11,878	2,322 9,471
CTBRD156U	Cap Trouble Orders UG - 011560	KU-136700- KY Undergrnd Conductors	-	(18,476)	-		-		,	-		-	-	-	-	-		-	-	-	-		-	-	
CTBRD216U CTBRD236U		KU-136700- KY Undergrnd Conductors	- 5.048	11,424 625	4,728	11,189	4,050	2,277	-	3,573	3,573	3,573	3,573	3,573	4,861	3,573	3,573	3,573	3,573	3,573	3,573	5,842	3,555	3,555	3,555
CTBRD236U CTBRD246U		KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	5,048	(3,500)	(4,308)				-	-			-		-	-	-	-		-	-	-		-	-
CTBRD256U	Cap Trouble Orders UG - 012560	KU-136700- KY Undergrnd Conductors	-	21,983	5,305	1,261	3,535	1,261	3,535	2,302	1,289	1,289	1,289	3,591	3,136	4,608	5,437	3,591	3,591	1,289	5,892	2,293	3,561	3,561	1,269
CTBRD315U		KU-136700- KY Undergrnd Conductors	-	3,033	6,268	1,261	6,996	2,926	4,097	5,054	5,054	6,343	2,944	6,343	5,054	4,233	7,165	1,289	8,454	2,944	5,054	5,022	5,022	6,291	2,920
CTBRD366U CTBRD416U		KU-136700- KY Undergrnd Conductors KU-136700- KY Undergrnd Conductors	-	523 (1.615)	4,868	3,466	1,151	1,151	-	-	-	2,255	1,139	1,139	-	1,139	1,139	3,394	-	-	1,800	-	-	2,246	1,139
CTBRD426U		KU-136700- KY Undergrnd Conductors	22,242	(16,493)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00007FACK	VERSAILLES BO LIGHTING UPDATES	KU-139010- KY Structures & Improv		5,098	-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00014FACK 00019FACK	GEORGETOWN BO RENOVATION LOUDON OFFICE AIR HANDLERS	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	3,187	1,911	5,098 20.393	91,769	-	203,932	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00022FACK	MOREHEAD BO PAVING	KU-139010- KY Structures & Improv	-	-		-	30,590	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00023FACK 00024FACK	SOMERSET BO - RESTROOM UPDATES MT STERLING BO RESTROOM	KU-139010- KY Structures & Improv	-	-	-	1,428	19.985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00024FACK 00025FACK	VERSAILLES BO ASSEMBLY ROOM	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	-	-		7,393			-			-		-		-	-		-	-	-		-	-
00032FACK	LGE CTR FITNESS CTR FLOOR KU	KU-139010- KY Structures & Improv	-	-	16,213	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00034FACK	BOC 1ST FLOOR RENOVATION KU	KU-139010- KY Structures & Improv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131,750	160,943	160,943	160,943	-	-	-	-
00037FACK 00038FACK	LIMESTONE OFFICE CONFERENCE RM LIMESTONE POWERHOUSE UPDATES	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	- 56,842	16,136	-	-	-	25,374	-	-	-	-	-		-	-	-	-	-	-	-	-	-		-
00039FACK	LGE CTR 12TH FLOOR KITCHEN KU	KU-139010- KY Structures & Improv	-	,	-	-	24,319	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00066FACK	BOC DCC SPACE CONVERSION KU	KU-139010- KY Structures & Improv	- 40	-	-	-	- 24.886	-	-	-	-	-	-	-	-	-	-	-	228,071	202,730	184,383	-	-	-	-
00067FACK 00068FACK	BOC ANNEX KU LGE CTR 23RD FL CARPET KU	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	40	-	-	121,189 24.319	24,886	29,307	29,743	-	-	-	-		-	-	-	-	-	-	-	-	-		-
00072FACK	CALL CENTER RENO BOC 3 KU	KU-139010- KY Structures & Improv	38,921	(13,649)	127,680	127,680	127,680	127,680	127,680		-		-		-		-	-							-
00074FACK	Campbellsville Light Repl LED	KU-139010- KY Structures & Improv	-	-	-	-	-	-	-	-	-	-	-	-	20,020	-	-	-	-	-	-	-	-	-	-
00080FACK 00084FACK	Stone Rd Sprinkler system Limestone Office remodel 2019	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	-	-	-	-	-	-	-	-	-	-	1,779	356,556	204,509	150,020 204,509	356,556	19,416	356,556	-	-	-		-
00087FACK	ETown Office HVAC	KU-139010- KY Structures & Improv	-					-			-		-	-,	-	-	-	-	30,004	-					-
00090FACK	E-town Telecom Shop	KU-139010- KY Structures & Improv	32,980	25,221	122,359	-	101,966	269,472	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
00094FACK 00095FACK	London SR New Dock London SR Fence	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	-	-	-	-	-	-	-	-	35,072	-		50,074	-	-	-	-	-	-	-	-		-
00096FACK	London SR Back New Walkway	KU-139010- KY Structures & Improv	-	-	-	-	-	-	-	-	-	-	-	7,000	-	-	-	-	-	-	-	-	-	-	-
00104FACK	Earlington Shop Expansion	KU-139010- KY Structures & Improv		-		-	-	-	-	-	-	-	-	50,683	50,683	95,993	50,683	152,048	-	-	-	-	-	-	-
00106FACK 00107FACK	RADIANT HEAT PANELS - KU BOC ROOM 201 RENO - KU	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	7,307 5,054	2,890	16,210		-	14,225			-	-	-		-			-		-					-
00114FACK	Dix Dam Replace CRAC Units KU	KU-139010- KY Structures & Improv	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38,979	-	-	-	-	-
0064FACIK	SIMP SWITCHGEAR UPG IT K	KU-139010- KY Structures & Improv	-	-	-	-	-	-	-				-			-			51,755	-	-		-	-	
119903 141893	Clear A&G 12/04 Business Offices CapEx 2018	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	(344,932)	339,029	11,296	41,296	-	-	55,062	15,423	15,349	17,527	19,852	21,685	22,547	23,133	23,519	24,637	28,333	20,499	20,398	23,295	17,609	18,376	15,327
145011	KU CAMERAS 2017	KU-139010- KY Structures & Improv	-	(354)	,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
145015	KU SECURITY EQUIPMENT 2017	KU-139010- KY Structures & Improv		930	-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
145022 145028	KU SECURITY EQUIPMENT 2018 KU SECURITY EQUIPMENT 2019	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	319,845	18	22,636	34,551	39,558	50,000	49,701	-	25.341	49.264	8.718	47.642	1.743	44.601	44.038	25.341	37.830	-	-	-	-	-	-
148027	CARPET/FLOORING - KU 2016	KU-139010- KY Structures & Improv	-	(7,611)	-	-	-	-	-	-		-	-		-,-	-	-	-	-	-	-	-	-	-	-
149486	KU FAC IMPROVE 2018	KU-139010- KY Structures & Improv	-		-	-	23,976	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
149488 149489	CARPET/FLOORING - KU 2017 CARPET/FLOORING - KU 2018	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	3.418	(750) 5,963	-	- :	-	27.531	-		-				-	-	-	-	- :	-	-	-			-
149496	KU REFURB & BRANDING 2019	KU-139010- KY Structures & Improv	3,410	-	-	-	-	-	-	-	-	101,365	-		101,365	-	-	101,365	-	-	95,993	-	-		-
152808	KU CARPET/FLOORING-2019	KU-139010- KY Structures & Improv	-	-	-	-	-	-	-	-	-	-	-		-	22,300	-		25,341	-		-	-	-	-
152810 153562	KU FACILITY IMPROVEMENTS-2019 DCC ENHANCEMENT KU	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	2,721,817	506,909	- 370,335	391,034	345,496	325,863	385,294	277,653	292,704	226,563	617,822	101,365 1.005.494	- 76,557	-	-	67,915	-	-	152,048	-	-	-	-
153869	EARLINGTON WIRE SHED	KU-139010- KY Structures & Improv	2,721,617	(21,276)	-	-	-	-	-	-	-	-	-	-			-					-			-
153948	STONE RD BATHROOM RENO	KU-139010- KY Structures & Improv	-	(6,261)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153949 153950	SHELBYVILLE BO RENO 2017 CARROLLTON STOREROOM RENO	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	7,559 (16)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
153950	SHELBYVILLE SR RENO 2017	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	133,784	(4,380)	-	-		-	-	-			-			-	-		-	-	-	-	-		-
154012	DANVILLE BO 2ND FLOOR RENO	KU-139010- KY Structures & Improv	6,601	11,797	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154364 154534	PINEVILLE TRANS SHED OFFICE BUILD NEW STOREROOM HARLAN	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	750 (4,487)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
154534 155731	E-TOWN SR RESTROOM RENO	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	1,374	(4,487)	-	-	-	-	-	-	-		-	-	-	-	-	-	-		-	-	-		-
155885	KU BRANDING	KU-139010- KY Structures & Improv	269,179	4,018	5,492	-	5,098	-	-	-	-	-	-	-	-	-	-	-			-	-	-		-
156023 156076	EARLINGTON CONTAINMENT PAD ENCLOSE TRUCK BAYS - DAWSON	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	180 (1,948)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156076 156454	Danville Pole Yard	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	113,020	(1,948) 6,371	-	-		-	-	-	-		-	-		-	-	-	-		-	-			-
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156462 156479	PINEVILLE PARKING LOT EXP WATERLINE REPL - FARL BO	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	2,995 16.648	4,255	113,009	- :	-	- :	-	- :	- :	- :	:	- :	- :	- :	- :	- :	-	-	-	- :	- :	-	
156514	EARLINGTON CREW RENO	KU-139010- KY Structures & Improv	2,825	-,233	42,245					-														-	-
156519	DANVILLE METER SHOP RECONF	KU-139010- KY Structures & Improv	8,533	2,482	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-	-	-	-	-
156565 156567	Richmond SR Security Equip Mt Sterling Overhead Doors	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	8,327 (815)	-	-	-	-	-	-	-	-	-	-	-	-	-		-			-	-	-	-
156647	SEWER PIPE REPL - MAYSVILLE	KU-139010- KY Structures & Improv	-	(2,557)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157545 157546	SOMERSET BO GUTTER REPL LONDON SR BACK WALKWAY	KU-139010- KY Structures & Improv	-	10,013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157546 157556	Pineville Yard Repairs	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	7,000 40,000	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
157557	Pineville Warehouse Awning	KU-139010- KY Structures & Improv	-	16,000	-					-						-						-		-	-
157558	London SR Warehouse	KU-139010- KY Structures & Improv		34,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
157563KU 157631	CONF RM 3G BOC RENO KU ROOF REPL - DANVILLE SR 2018	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	3,945 33,818	1,490 45,885	61,946		-	-	-										-		-	-		-	
157707	DRAINAGE REPL LONDON SR	KU-139010- KY Structures & Improv	38,186	7,331	-	-		-		-	-	-	-	-	-	-	-	-				-	-	-	-
157961	MORGANFIELD BACK LOT	KU-139010- KY Structures & Improv	-	26,868	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158065 158091	Pineville Dist & Safety Reno EARLINGTON CONSTRUCT OFFICE	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	7,036	76,819	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158091	RICHMOND CONTAINMENT PAD	KU-139010- KY Structures & Improv			-	18,048						-	-	-		-	-	-		-		-		-	-
158100	HARLAN SR CONTAINMENT PAD	KU-139010- KY Structures & Improv	-	-	-	11,012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158102 158103	CONTAINMENT PAD AT LONDON CONTAINMENT PAD PARIS SR	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	-	-	-	11,012	- 8,999	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158103	CONTAINMENT PAD PARIS SK	KU-139010- KY Structures & Improv	-		-		11,012			-	-	-		-		-	-					-			-
158105	CONTAINMENT PAD WINCHESTER	KU-139010- KY Structures & Improv	-	-	-	-	9,001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•
158106 158110	CONTAINMENT PAD DANVILLE SR LIMESTONE DRAINAGE REPL	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	10.774	(68)	-	-	16,009	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158139KU	KUGO Facilities Office KU	KU-139010- KY Structures & Improv	10,774	24,875	-	-		-		-	-	-	-	-			-	-	-	-		-	-		-
158190	BO London Reno 2018	KU-139010- KY Structures & Improv	-	-	30,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•
SC0002 153684	Danville Pole Racks-KU18 EARLINGTON STOREROOM RENO	KU-139010- KY Structures & Improv KU-139010- KY Structures & Improv	128,396 (1,665)	-	-		41,604	-	-	-	-	-				-	-	-	-	-	-	-	-	-	-
153921	Danville Office-2nd Floor UPG	KU-139010- KY Structures & Improv	(17,717)		-							-	-	-	-	-	-	-				-			-
149991	BUILDING - KEVIL KY	KU-139010- KY Structures & Improv	24,986	-	-		-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
00102FACK 141332	Campbellsville SR Ice Machine London-Pole Racks Yard Grading	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-		-	-	-	-	-	8,008			99,514	-	-	-	-	-	-	-	-	-	-
141335	Midway - Pole Racks	KU-139400- KY Tools, Shop, Garage	-		-					-	-	-		-		60,000	-					-			-
141336	Paris - Pole Racks	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,000	-	-	-	-	-	-	-	-
141645 145086	MS KU 2018 Business Offices CapEx 2019	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	54,343	-	-	-	-	-	-	13.800	-	-	27.600	-	-	41.400	-	-	- 55.200	-	-	-	-
145086	Richmond Remove Rise Pad	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	100,000			-		-	13,800	-		27,600			41,400			55,200			-	-
145127	Winchester Pallet Racks Bins	KU-139400- KY Tools, Shop, Garage	-	-	-	-	16,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
148965 148966	SCM2018 EARL TOOLS & EQUIPMENT	KU-139400- KY Tools, Shop, Garage		- 5.721	6.707	16,395	-	5,949	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	•
148966	SCM2018 LEX TOOLS & EQUIPMENT SCM2018 DAN TOOLS & EQUIPMENT	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	7,486	5,721	14,665	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
149472	Business Office CapEx 2020	KU-139400- KY Tools, Shop, Garage	-	-	,	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,800	-
151547	SCM2019 PINE TOOLS & EQUIPMENT	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	7,732	6,443	-	7,826	-	-		-	-	-	-	-
151548 151550	SCM2019 EARL TOOLS & EQUIPMENT SCM2019 DAN TOOLS & EQUIPMENT	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-		-			-		-				1,289	15,463 11.135	2,577				7,537		-		-	
152229	SCM2019 LEX TOOLS & EQUIP	KU-139400- KY Tools, Shop, Garage		-	-		-	-		-	-	-	9,692	-	10,309	-	-	-	-	-	-	-	-	-	-
152560	Richmond Cap Tools 2017-2019	KU-139400- KY Tools, Shop, Garage	12,319	(505)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
152562 152795	Etown Cap Tools 2017-2019 Richmond Kubota Backhoe	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	40.489	1,841	-			-		-												-		-	
156135	Maysville Trailers 2017	KU-139400- KY Tools, Shop, Garage		(1,919)	-					-						-						-		-	-
156178	JLG Lift and Trailer	KU-139400- KY Tools, Shop, Garage	63,409	(3,773)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
156508 156712	MAYOC Bobcat Track Loader Lex Mini Excavator 2018	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	20.206	168 2.776	-			-		-												-		-	
157006	SCM2020 LEX TOOLS & EQUIPMENT	KU-139400- KY Tools, Shop, Garage	-	-	-					-						-						-		-	10,149
157414	London Pilot Line Winder	KU-139400- KY Tools, Shop, Garage		468	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-
157671 157672	SCM2019 TOOLS & EQUIP 013560 SCM2020 TOOLS & EQUIP 013560	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	7,732	-	-	-	4,268	-			-	-	-	7,612
157695	SHOP LOCKERS - STONE RD	KU-139400- KY Tools, Shop, Garage	-	32,486	-					-						-						-		-	-
158097	MS Pin 2018 Meter Test Switch	KU-139400- KY Tools, Shop, Garage		8,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
158137 158138	MS Lex 2018 PowerMaster 3302 MS Lex 2018 Tesco 1047 Tester	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	28,000 30,000	-	-	-	-	-	-	-	-	-	-	-	-		-			-	-	-	-
163000	DANOC Wire Trailer 2019	KU-139400- KY Tools, Shop, Garage	-	-	- ,	-	-		-	-	1,139	1,139	1,139	1,139	1,139	1,139	1,139	1,139		-	-	-	-	-	-
163001 163003	ELIOC Pole Trailer 2019 LONOC ATV Trailer 2019	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	15.463	-	-	8,000	-	-	-	-	-	-	-	-	-	-	-
163003 163004	LONOC ATV Trailer 2019 LONOC Utility Trailer 2019	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-		-	15,463	34,792	-	-	-	-	-	-	-	-	-	-	-	-	
163005	PINOC Kubota Backhoe 2019	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	42,524	-	-	-	-	-	-	-	-	-	-	-
163006 18TOOL156	PINOC Kubota Backhoe 2020 Earlington Cap Tools 2018	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	16.434	2.380	2.380	2.380	1.189	1,189	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43,132	-
18TOOL156		KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	12,144	40,000	2,380	2,380	1,189	1,189		-	-		-		-	-	-		-	-	-	-	-	-
18TOOL236	Richmond Cap Tools 2018	KU-139400- KY Tools, Shop, Garage	7,199	0	-	12,801	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18TOOL246 18TOOL256		KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	6,417	6,500 24.094	7,379 30.000	576	4,383	4,383	576	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Lexington Cap Tools 2018	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	90,711	24,094	32,983						-	-		-		-	-	-		-	-	-	-	-	-
18TOOL416	Pineville Cap Tools 2018	KU-139400- KY Tools, Shop, Garage		(0)	36,748	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18TOOL426		KU-139400- KY Tools, Shop, Garage	18,250	15,383	-	-	340	-	-	-		-	-	-	-		-	-	-	-	-	-	-	-	-
19TOOL156	Earlington Cap Tools 2019 Danville Cap Tools 2019	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	-	-		-	-	6,443 11,386	11.386	11,386	4,554	6,443	6,443	-	-	6,443	-	-	-	-	-	
19TOOL236	Richmond Cap Tools 2019	KU-139400- KY Tools, Shop, Garage	-		-	-				-		6,443			5,443	-		6,443		6,443		-			-
19TOOL246		KU-139400- KY Tools, Shop, Garage	-		-	-	-	-	-	569	6,368	569	6,368	569	12,122	6,368	6,368	569	6,368	11,394	6,368	-	-	-	-
19TOOL256 19TOOL315		KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	10,247 25,772	5,124 45,101	10,247 15,463	13,663 15,463	-	23,195	23,195	-	-	-	-	-	-	-
19TOOL366	Maysville Cap Tools 2019	KU-139400- KY Tools, Shop, Garage	-		-	-	-			-	-		-	-	30,926	-						-	-		-
19TOOL416		KU-139400- KY Tools, Shop, Garage	-		-	-	-	-	-	-	-		41,235	-		-	-		-	-	-	-	-	-	-
19TOOL426	London Cap Tools 2019 Earlington Cap Tools 2020	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage		-	-	-				-	-	23,195	-	-	23,195	-	-	24,483				-		6.343	
	Danville Cap Tools 2020	KU-139400- KY Tools, Shop, Garage	-		-	-	-			-	-	-		-	-	-	-					-	11,386	3,416	-
20TOOL236		KU-139400- KY Tools, Shop, Garage	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		6,343	
	Elizabethtown Cap Tools 2020 Shelbyville Cap Tools 2020	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-		-	-	285	5,486	285	5,486 11,386
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20TOOL315		KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25,372	50,744
20TOOL366	Maysville Cap Tools 2020	KU-139400- KY Tools, Shop, Garage	-		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	71,042	
20TOOL416	Pineville Cap Tools 2020	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,595	-
20TOOL426 SC0003	London Cap Tools 2020 Maysville Racks-KU18	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	10,213	-	-		-	-	-		-		-	-	-	-		-	-	-	25,372	-
SC0003 SC0004	Pineville Racks-KU18	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage		-		10,213										-				-	- 1	-	-		
SC0007	Pineville Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage				10,213	51,065																		
SC0007	Harlan Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage					51,065																		
SC0009	Paris Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage					51,065					_				_		-			-	-		-	-
SC0010	Maysville Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage	_		-	-	51.065	-	_	-			-	-	-			-	-	-	-	_		_	
SC0011	London Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage				-	51,065	-	-	-			-	-	-			-	-	-	-	-	-	-	
SC0012	Richmond Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage	-		-	-	51,065	-	-	-			-	-	-	-		-	-	-	-	-	-	-	-
SC0013	Winchester Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage	-	-	-	-	51,065	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SC0014	Shelbyville Transfome Pad-KU18	KU-139400- KY Tools, Shop, Garage	-	-	-	-	51,065	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-
SC0015	Carrolton Transfomer Pad-KU18	KU-139400- KY Tools, Shop, Garage	-	-	-	-	51,065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SC0017	Pennington Gap Transf Pad-KU18	KU-139400- KY Tools, Shop, Garage	-	-	-	-	51,065	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SC0019	Elizabethtown Transfo Pad-KU18	KU-139400- KY Tools, Shop, Garage	-	-	-	-	51,065	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-
SC0050	ForkLift NLimestone Store-KU19	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	-	74,636	-	-	-	-	-	-	-	-	-	-
SC0051 SC0052	Storeroom Racks N Limstn-KU19	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	-	-	-	-	-	99,514	-	-	140 271	-	-	-	-	-	-	-
SC0052 SC0053	Pole Racks Etown Yard Exp-KU19 Etown Yard Expansion-KU19	KU-139400- KY Tools, Shop, Garage KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-		-	-	-		-		-	99,514	149,271	-		-	-	-	-	-
SC0054	Pole Racks - Somerset-KU19	KU-139400- KY Tools, Shop, Garage													39,806	-	99,514	-			-		-	-	-
SC0055	Somerset- Wire Shed-KU19	KU-139400- KY Tools, Shop, Garage					-			-				128,373	33,000	-			-	-					
SC0056	Storeroom Rack Shlbyville-KU19	KU-139400- KY Tools, Shop, Garage	-	-										49,757			-	-			-	-		-	-
SC0057	Const Lex Trans Pole Yard-KU19	KU-139400- KY Tools, Shop, Garage					-					_		-		_		248,785			-	-		-	-
SC0058	Pole Racks- Lex Transm-KU19	KU-139400- KY Tools, Shop, Garage		-		-		-			-	-				-	-	199,028			-	-	-		
SC0059	Lexington StoneRoad Fan-KU19	KU-139400- KY Tools, Shop, Garage	-	-			-				9,951	-				-	-	-			-	-	-	-	-
SC0060	Lex Storeroom Heater-KU19	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-	-	19,903	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SC0063	Construct Paris Pole Yard-KU20	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	149,271
SC0064	Pole Racks - Paris-KU20	KU-139400- KY Tools, Shop, Garage	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99,514
148964	SCM2018 PINE TOOLS & EQUIPMENT	KU-139400- KY Tools, Shop, Garage	24,205	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
147799	RTU-IP TRAFFIC TO EMS-KU-2018	KU-139700-KY Microwave, Fiber, Other	-	-	144,021	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
147801	RTU-IP TRAFFIC TO EMS-KU-2019	KU-139700-KY Microwave, Fiber, Other				ī		1	ī	-	-	-	-	-	-	-	142,793	-	-	-	-	-	-	-	-
157821 IT0049K	Telecom for Muni Transitions	KU-139700-KY Microwave, Fiber, Other	8,982	(9,049)	(62)	(60)	(60)	(57)	(26)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110049K 1T0050K	KU MW Tower Repl Badger-KU17	KU-139700-KY Microwave, Fiber, Other	346,567	25,000		22,000	40,735		17.902	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1T0050K	Next Gen Radio Sys Des-KU17 NEC MW Rad Encrypt Card-KU17	KU-139700-KY Microwave, Fiber, Other KU-139700-KY Microwave, Fiber, Other	117,170 310,274	33,600 68,632	33,600 4,800	33,600 26,521	33,600 28,185	24,000 14,765	17,902	-	-	-		-		-	-	-	-		-	-	-	-	-
IT0150CG	Ghent Stack Reflector-KU17	KU-139700-KY Microwave,Fiber,Other	49,205	73,500	4,800	20,321	20,103	14,765	-	-			-	-	-			-	-	-	-			-	
IT0204K	Analog Sunset-KU18	KU-139700-KY Microwave, Fiber, Other	158,831	17,738	14,400	14,400	14,400	12,000	11,245																
IT0206K	Bulk Power & Env Syst-KU18	KU-139700-KY Microwave, Fiber, Other	76,114	(8,227)	19,200	6,022	4,800	4,800	2,400			_					_	_			_	-	_	_	-
IT0237K	KU Tower RepL Bch Grove-KU17	KU-139700-KY Microwave, Fiber, Other	212,915	105,000	62,000	20,000	63,000	5,551	-,		-	-				-	-	-			-	-	-		
IT0242K	Megastar & DVM MW Repl-KU18	KU-139700-KY Microwave, Fiber, Other	99,548	80,683	162,378	7,838			-	-		2,400	192,000	24,000	7,200	7,200	4,800	2,400	-	-	-	-	-	-	
IT0248K	Mobile Radio-KU18	KU-139700-KY Microwave, Fiber, Other	19,249	51,685	17,760	17,760	950														-	-	-	-	-
IT0253K	Network Access Infrast-KU18	KU-139700-KY Microwave, Fiber, Other	53,766	(752)	7,200	9,600	9,600	5,922	-	-			-	-	-	-		-	-	-	-	-	-	-	-
IT0253KU	Ntwrk Access Infr-DIRECT KU18	KU-139700-KY Microwave, Fiber, Other	-	(10,000)	2,500	2,500	2,500	2,500		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IT0256K	Network Test Equip-KU18	KU-139700-KY Microwave, Fiber, Other	68,363	(11,497)	3,600	3,600	3,600	3,453	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IT0259K	OTN Ext Lex-Dix Ring-KU18	KU-139700-KY Microwave, Fiber, Other	411,955	24,000	50,400	48,000	24,000	17,645	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IT0260K	Outside Cable Plant-KU18	KU-139700-KY Microwave, Fiber, Other	110,223	(48,863)	13,440	8,859	7,200	3,840	1,785	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IT0263K	Purch/Rebuild Radio Site-KU18	KU-139700-KY Microwave, Fiber, Other	39,537	30,000	40,000	50,000	50,000	50,000	46,361	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IT0282K IT0288K	Site Security Improvemts-KU18 Telecom Site Reno-KU18	KU-139700-KY Microwave, Fiber, Other KU-139700-KY Microwave, Fiber, Other	17,854	(6,333)	7,200 4.800	4,800 7,200	1,933	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
110288K 1T0297K	Phone Expan/Break Fix-KU18	KU-139700-KY Microwave, Fiber, Other KU-139700-KY Microwave, Fiber, Other	28,714 26,049	6,235	4,800 7,076	7,200 24,000	16,800 2.880	11,463 2.880	2,880	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IT0297K	Rep ASTRO Spectra Yr 1/3-KU19	KU-139700-KY Microwave, Fiber, Other KU-139700-KY Microwave, Fiber, Other	20,049	0,235	7,076	24,000	2,000	2,000	2,880	2,200	2,200	176,023	176,023	8,801	8.801	8.801	8,801	8,801	8,801	6,601	2,200	-			
IT0307K	Simpsonville to Dix Dam-KU18	KU-139700-KY Microwave,Fiber,Other	10,184	41,625	7,200	7,200	7,200	831		2,200	2,200	170,023	170,023	0,001	0,001	0,001	0,001	0,001	0,001	0,001	2,200				
IT0353K	UC&C/CUCM Upgrades-KU18	KU-139700-KY Microwave, Fiber, Other	10,104	41,023	9,600	9,600	9,600	9,600	9,600																
IT0404K	Analog Sunset-KU19	KU-139700-KY Microwave, Fiber, Other			-	-	-	-	-		2,400	4,800	16,800	16,800	24,000	24,000	24,000	24,000	16,800	14,400	-	-		-	-
IT0443K	Mobile Radio-KU19	KU-139700-KY Microwave, Fiber, Other	_		-	-	-	-	_	2,400	2,400	9,600	12,000	12,000	12,000	12,000	9,600	9,600	7,200	7,200	-	_		_	
IT0448K	Network Access Devices-KU19	KU-139700-KY Microwave, Fiber, Other		-		-		-		-	2,160	5,040		7,200	9,360	9,600	7,200	9,360	10,800	6,240	-	-	-		
IT0451K	Network Test Equipment-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-	2,880	7,200	7,200	9,600	7,200	7,200	7,200	7,200	2,880	1,440	-	-	-	-	-
IT0454K	Outside Cable Plant -KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-	4,800	12,000	14,400	16,800	16,800	19,200	19,200	16,800	14,400	9,600	-	-	-	-	-
IT0459K	Purch/Rebuild Radio Sites-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-		5,000	5,000	25,000	50,000	50,000	50,000	25,000	25,000	15,000	-	-		-	-		-
IT0473K	Site Security Improve-KU19	KU-139700-KY Microwave, Fiber, Other	-	-		-		-	-	-	-	960	2,400	960	5,760	2,400	4,800	1,920	4,800	-	-	-		-	-
IT0479K	Telecom Site Renov-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-	1,440	3,360	3,360	4,800	6,240	3,360	4,800	8,640	7,200	4,800		-	-		-
IT0486K	Voice Infra Expansion-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-	2,735	3,191	20,513	3,191	3,191	3,191	20,513	3,198	3,191	2,735	2,735	-	-	-	-
IT0512K	DACS Repl Prov/Mon Sys-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-	240	480	1,200	1,200	1,200	48,000	4,800	1,200	1,200	480		-	-		-
IT0513K	DACS Equip Repl (Yr1of3)-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-	9,600	9,600	19,200	19,200	19,200	23,040	23,040	23,040	19,200	19,200	7,680	-	-	-	-
IT0529K	Trans BREC Trnsprt IC-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-	2,400	2,400	19,200	19,200	4,800	4,800	4,800	2,400	-	-	-	-	-		-
IT0532K	UC&C/CUCM Major Upgrade-KU19	KU-139700-KY Microwave, Fiber, Other					-			-	-	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	4,800	-	-		-
IT0620K	DACS/SONET Repl Eng/Des-KU18	KU-139700-KY Microwave, Fiber, Other	1,895	24,472	24,472	24,472	52,800	52,800	14,865	-	240	480	4 207	4.207	4 207	-	-	4 200	- 4 200	480	-	-	-	-	-
IT1067K	SONET Repl Prov/Mon Sys-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-	-	-		480 23,770	1,200	1,200	1,200 28,524	48,000	4,800	1,200	1,200		10.015	-	-		-
IT1086K	SONET Equip Repl Yr 1/4-KU19	KU-139700-KY Microwave, Fiber, Other	-	-	-	-	-	-		-	4,754	23,770	28,524	28,524	28,524	28,524	42,786	57,047	47,540	47,540	19,015	-	-	-	-

KENTUCKY UTILITIES COMPANY

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 29

Responding Witness: John J. Spanos

- Q.1-29. Please provide the schedules contained on pages VI-4, VI-5, and VIII-2 of Exhibit JJS-KU-1 (Depreciation Study attached to Mr. Spanos' Direct Testimony) as well as all workpapers in support of those schedules in electronic format with all formulas intact.
- A.1-29. See attachments 1 through 3 for the workpapers that support the schedules.

See attachments 4 and 5 being provided in Excel format for the schedules contained on pages VI-4 (attachment 1), VI-5 (attachment 2) and VIII-2 (attachment 3).

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	LE COUNTY UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 105- EAR 6-2066				
1990 1997 2002 2003 2008 2011 2012 2013 2014 2015 2016 2017	34,837,229.35 449,904.13 24,848.68 61,493.38 53,301.70 58,056,256.74 377,820.80 79,448.45 158,517.38 163,213.72 855,810.63 1,189,423.20	14,383,181 152,019 6,832 16,069 9,900 7,772,711 43,560 7,645 12,057 9,037 29,205 13,790	17,854,686 188,710 8,481 19,947 12,289 9,648,722 54,074 9,490 14,967 11,218 36,254 17,118	21,511,383 319,682 19,598 49,540 47,941 55,954,848 372,864 80,287 164,158 173,213 930,812 1,326,930	45.30 45.97 46.37 46.44 46.77 46.95 47.00 47.05 47.11 47.16 47.20 47.25	474,865 6,954 423 1,067 1,025 1,191,797 7,933 1,706 3,485 3,673 19,721 28,083
INTERI PROBAE	96,307,268.16 LE COUNTY UNIT 2 LM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 105- EAR 6-2066		80,951,256		1,740,732
1990 2012	5,493,644.11 62,807.35	2,268,150 7,241	3,219,207 10,277	2,988,611 60,695	45.30 47.00	65,974 1,291
	5,556,451.46	2,275,391	3,229,484	3,049,306		67,265
INTERI PROBAE	1 LABORATORY M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2040				
1989 1990	724,776.82 58,100.00	403,382 31,838	589,890 46,559	134,887 11,541	21.99	6,134 525

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
SYSTEM	LABORATORY					
INTERIN	M SURVIVOR CURV	E IOWA 105-	R2.5			
PROBABI	LE RETIREMENT Y	EAR 6-2040)			
NET SAI	LVAGE PERCENT	0				
1994	6,176.00	3,143	4,596	1,580	22.07	72
1997	16,663.00	7,916	11,576	5 , 087	22.11	230
2011	19,253.00	4,298	6 , 285	12 , 968	22.27	582
2012	255,306.75	49 , 956	73 , 054	182,253	22.28	8,180
2014	8,935.37	1,197	1,750	7 , 185	22.30	322
2015	13,745.45	1,371	2,005	11,741	22.30	527
2017	14,162.74	304	445	13,718	22.32	615
	1 110 110 10	500 405	F26 160	200 050		15 105
	1,117,119.13	503 , 405	736 , 160	380 , 959		17 , 187

BROWN UNIT 1 INTERIM SURVIVOR CURVE.. IOWA 105-R2.5 PROBABLE RETIREMENT YEAR.. 2-2019 NET SALVAGE PERCENT.. -6

1956	2,426,213.14	2,522,150	2,571,786
1958	382.11	397	405
1965	283.00	293	300
1979	14,516.00	14,925	15 , 387
1982	91,160.00	93,496	96,630
1983	1,965.00	2,014	2,083
1984	5,212.00	5 , 335	5 , 525
1985	1,849.00	1,891	1,960
1987	43,137.68	44,014	45 , 726
1988	45,243.11	46,105	47 , 958
1989	64,194.00	65 , 331	68,046
1990	658.09	669	698
1991	23,174.40	23 , 515	24,565
1994	666,989.00	673 , 178	707,008
1995	352,899.61	355 , 426	374,074
1996	94,854.89	95,316	100,546
1997	72,522.04	72,690	76,873

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	UNIT 1 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 2-2019				
1998 2004 2005 2006 2007 2008	11,065.00 108,817.17 71,616.67 35,830.85 85,296.44 436,431.15	11,060 106,102 69,387 34,460 81,319 411,697	11,729 115,346 75,914 37,981 90,414 462,617			
2014 2015	8,914.20 13,918.24	7,077 10,037	8,993 12,754	456 1,999	1.17 1.17	390 1,709
	4,677,142.79	4,747,884	4,955,316	2,455		2,099
PROBAB	UNIT 2 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 2-2019				
1963	1,268,530.68	1,315,679	1,344,643			
1965	11,653.00	12,077	12,352			
1966	10,986.00	11,381	11,645			
1967	2,142.72	2,219	2,271			
1979	24,545.95	25 , 237	26,019			
1980	400.00	411	424			
1983	1,964.15	2,013	2,082			
1992	96,409.90	97 , 665	102,194			
1997	19,477.46	19,523	20,646			
2004	43,200.52	42,123	45,793			
2005	5,793.58	5,613	6,141			
2007 2009	565,018.59 21,690.24	538,668 20,201	598,920 22,992			
2000	21,000.24	20,201	22,332			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	UNIT 2 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 2-2019				
2012 2015 2016	133,555.40 91,828.24 12,530.96 2,309,727.39	116,661 66,222 7,440 2,283,133	141,569 84,186 9,458 2,431,335	13,152 3,825 16,976	1.17	11,241 3,269 14,510
PROBAB	UNIT 3 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 6-2035				
1967 1968 1971 1972 1973 1974 1975 1977 1979 1980 1983	1,440.97 93.83 7,455,327.76 56,652.66 11,995.55 2,999.00 15,098.31 1,211,596.00 8,850.03 275,262.00 3,928.40 146,459.90	1,129 73 5,715,511 43,172 9,086 2,257 11,286 892,827 6,421 198,097 2,751 101,557	1,300 84 6,583,108 49,725 10,465 2,600 12,999 1,028,355 7,396 228,168 3,169 116,973	227 15 1,319,539 10,326 2,250 579 3,005 255,936 1,985 63,610 996 38,274	16.88 16.90 16.96 16.98 16.99 17.01 17.03 17.06 17.10 17.14 17.15	13 177,803 608 132 34 176 15,002 116 3,720 58 2,232
1985 1986 1987 1988 1989 1990 1991 1992 1993	37,553.55 44,536.07 251,180.26 56,900.74 477,066.00 19,516.88 68,381.00 756,531.00 84,689.00	25,772 30,229 168,476 37,703 312,031 12,591 43,480 473,688 52,157	29,684 34,818 194,050 43,426 359,396 14,502 50,080 545,592 60,074	10,123 12,391 72,201 16,889 146,294 6,186 22,404 256,330 29,696	17.16 17.17 17.19 17.20 17.21 17.22 17.23 17.24 17.25	590 722 4,200 982 8,501 359 1,300 14,868 1,722

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ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2035				
1995 1997 1998 2001 2003 2004 2005 2007 2010 2011 2012 2013 2014 2015 2016 2017	22,964.00 196,910.73 127,955.64 83,885.45 193,441.22 122,280.23 95,151.19 8,016,945.98 200,931.69 423,902.15 43,327.16 602,913.83 504,143.53 966,396.11 57,124.43 3,484,095.76 2,625,976.32	13,643 112,184 71,207 43,000 92,561 56,258 41,875 3,175,264 69,398 134,239 12,394 152,135 108,936 169,996 7,531 291,463 76,241	15,714 129,213 82,016 49,527 106,611 64,798 48,231 3,657,259 79,932 154,616 14,275 175,229 125,472 195,801 8,674 335,706 87,814	8,628 79,512 53,617 39,391 98,436 64,819 52,629 4,840,703 133,055 294,720 31,651 463,860 408,920 828,579 51,878 3,357,435 2,695,721	17.26 17.28 17.29 17.31 17.33 17.34 17.35 17.36 17.37 17.37 17.38 17.39 17.39 17.39	500 4,601 3,101 2,276 5,680 3,740 3,035 279,003 7,664 16,967 1,822 26,689 23,528 47,647 2,983 193,067 154,926
INTER:	28,754,404.33 UNITS 1, 2 AND IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 105- EAR 6-2035		15,772,813		910,368
2013 2015	45,235,689.37 146,854.51	9,774,573 19,360	12,240,569 24,244	35,709,262 131,422	17.38 17.39	2,054,618 7,557
	45,382,543.88	9,793,933	12,264,813	35,840,684		2,062,175

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ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERI PROBAE	UNIT 1 SCRUBBER IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 105- EAR 6-2034				
1997	8,362,584.36	4,984,716	7,487,753	1,543,838	16.31	94,656
2007	34,607.76	14,486	21,760	15,616	16.37	954
	8,397,192.12	4,999,202	7,509,513	1,559,454		95,610
INTERI PROBAE	UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2034				
1974	14,424,151.94	11,243,950	14,576,346	1,001,738	16.07	62,336
1979	287,003.73	216,033	280,059	29 , 905	16.14	1,853
1980	27,171.00	20,290	26,303	3,041	16.15	188
1981	10,791.00	7 , 992	10,361	1,294	16.16	80
1985	107,260.53	76 , 532	99,214	16,627	16.20	1,026
1987	218,325.45	152,432	197,609	38,183	16.22	2,354
1988	97,360.62	67 , 175	87,084	18,066	16.23	1,113
1992	29,300.00	19 , 139	24,811	6 , 833	16.27	420
1994	74,968.00	47 , 379	61,421	19 , 545	16.29	1,200
1995	60,912.73	37 , 820	49,029	16 , 757	16.29	1,029
1996	351 , 738.57	214,137	277 , 601	102,276	16.30	6 , 275
1997	33,704.37	20,090	26,044	10,357	16.31	635
2003	143,388.86	72 , 171	93 , 560	61,299	16.35	3,749
2005	240,490.70	111,520	144,571	115,159	16.36	7,039
2007	240,638.23	100,728	130,581	129,308	16.37	7 , 899
2009	333,988.93	122 , 179	158,389	202,319	16.38	12,352
2010	643,507.32	216,475	280,632	414,356	16.38	25 , 296
2011	511,676.99	155 , 538	201,635	350 , 976	16.39	21,414
2013	237,388.65	54,719	70,936	185,444	16.40	11,308

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER: PROBA	UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2034				
2015 2016 2017	1,094,293.61 1,515,148.86 662,038.58	155,246 135,376 21,143	201,257 175,498 27,409	980,580 1,460,863 687,592	16.40 16.41 16.41	59,791 89,023 41,901
	21,345,248.67	13,268,064	17,200,351	5,852,518		358,281
INTER:	UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2034				
1977 1979 1980 1981 1986 1988 1989 1991 1995 1998 2003 2013 2015 2016 2017	14,678,326.49 227,477.00 88,059.38 10,786.00 385,657.47 13,292.75 11,294.78 1,929.73 27,739.56 67,159.90 223,834.88 194,635.03 130,289.29 351,144.86 241,422.48	11,215,075 171,226 65,759 7,989 272,277 9,171 7,696 1,280 17,223 39,131 112,661 44,864 18,484 31,374 7,710	13,481,827 205,834 79,050 9,604 327,309 11,025 9,251 1,539 20,704 47,040 135,432 53,932 22,220 37,715 9,268	2,370,765 39,842 16,054 2,045 89,201 3,332 2,947 545 9,255 25,493 106,310 156,274 118,493 341,521 251,468	16.11 16.14 16.15 16.16 16.21 16.23 16.24 16.26 16.32 16.35 16.40 16.40 16.41	147,161 2,469 994 127 5,503 205 181 34 568 1,562 6,502 9,529 7,225 20,812 15,324
	16,653,049.60	12,021,920	14,451,749	3,533,545		218,196

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ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER: PROBA	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2037				
1981 1982 1983 1987 1995 1996 2001 2002 2004 2005 2010 2011 2014 2016 2017	34,380,542.39 1,235,435.00 511.16 2,248,542.00 9,779.16 195,780.51 263,336.76 234,131.24 2,640,221.52 105,410.84 643,443.60 109,662.90 8,999,804.63 64,860.31 325,594.72	24,098,010 857,535 351 1,475,414 5,636 110,454 129,845 111,545 1,161,591 44,326 192,381 29,482 1,474,395 5,006 8,675	27,869,728 991,753 406 1,706,340 6,518 127,742 150,168 129,004 1,343,398 51,264 222,492 34,096 1,705,161 5,790 10,033 34,353,891	9,261,258 342,517 146 722,086 4,043 83,701 134,236 123,858 1,508,041 62,580 472,427 84,340 8,014,628 64,260 341,610	19.01 19.03 19.04 19.10 19.20 19.21 19.26 19.27 19.29 19.33 19.34 19.35 19.36 19.37	487,178 17,999 8 37,806 211 4,357 6,970 6,428 78,177 3,244 24,440 4,361 414,193 3,319 17,636
INTER: PROBAI NET SA	UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2038 -8	R2.5	21,219,730		1,106,327
1984 1985 1986 1987 1988 1989 1990 1991	15,364,534.75 928,979.83 734,905.00 15,869.00 8,118.00 20,054.00 23,192.76 16,217.00 24,302.00	10,252,914 612,744 478,798 10,209 5,152 12,549 14,292 9,837 14,490	9,452,560 564,912 441,422 9,412 4,750 11,569 13,176 9,069 13,359	7,141,138 438,386 352,275 7,726 4,018 10,089 11,872 8,445 12,887	20.00 20.02 20.04 20.05 20.07 20.08 20.10 20.11 20.13	357,057 21,897 17,579 385 200 502 591 420 640

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GHENT	UNIT 4					
	IM SURVIVOR CURV	E IOWA 105-	R2.5			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
_		-				
1993	42,417.00	24,842	22,903	22,908	20.14	1,137
1994	11,881.56	6 , 827	6,294	6 , 538	20.15	324
1996	70,941.70	39 , 062	36,013	40,604	20.18	2,012
1997	1,942,669.00	1,044,866	963 , 303	1,134,780	20.19	56 , 205
2001	618,493.64	296 , 734	273 , 571	394,403	20.23	19,496
2002	186,501.00	86 , 387	79 , 644	121 , 778	20.24	6,017
2003	86,074.14	38 , 365	35 , 370	57 , 590	20.25	2,844
2004	276,923.25	118,309	109,074	190,003	20.26	9,378
2005	181,861.63	74,100	68,316	128,095	20.27	6,319
2007	7,212,117.43	2,627,726	2,422,603	5,366,484	20.29	264,489
2010	581 , 597.75	167,578	154,497	473,629	20.31	23,320
2011	437,903.41	113,415	104,562	368 , 374	20.32	18,129
2012	265,809.06	60 , 535	55 , 810	231,264	20.32	11,381
2013	1,076,247.83	208,351	192,087	970,261	20.33	47,726
2014	10,160,659.69	1,591,379	1,467,154	9,506,358	20.34	467,373
2015	462,088.77	54,043	49,824	449,232	20.34	22,086
2016	903,040.74	66,124	60,962	914,322	20.35	44,930
2017	1,617,760.77	41,897	38,626	1,708,555	20.35	83 , 958
	43,271,160.71	18,071,525	16,660,841	30,072,013		1,486,395
CHENIE	IINTE O CODUDDED					
	UNIT 2 SCRUBBER IM SURVIVOR CURV		D2 E			
	IM SORVIVOR CORV BLE RETIREMENT Y					
	ALVAGE PERCENT					
1994	15,816,339.70	9,995,838	14,084,948	2,996,699	16.29	183,959
	15,816,339.70	9,995,838	14,084,948	2,996,699		183 , 959

Attachment 1 to Response to KIUC-1 Question No. 29

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	UNIT 4 SCRUBBEF IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YE IOWA 105- YEAR 6-2038				
2017	36,901.04	956		39,853	20.35	1,958
	36,901.04	956		39,853		1,958
	341,081,605.72	142,890,522	170,461,214	201,288,261		8,265,062
	COMPOSITE REMAIN	NING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	24.4	2.42

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

ORIGINAL CALCULATED ALLOC. BOOK FUTURE BOOK REM.

YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
	UNIT 3		-0.5			
	M SURVIVOR CURVE					
	LE RETIREMENT YE LVAGE PERCENT		.5			
NEI SA.	LVAGE PERCENI	-10				
1947	559,688.83	615,658	615,658			
1948	291,289.73	320,419	320,419			
1949	3 , 757.35	4,133	4,133			
1951	449.85	495	495			
1953	284,320.41	312,752	312,752			
1954	19,256.64	21,182	21,182			
1955	1,152.61	1,268	1,268			
1966	18.41	20	20			
1970	15,244.21	16 , 769	16,769			
1973	0.48	1	1			
1978	45,723.00	50 , 295	50 , 295			
1987	1.57	2	2			
1989	18,427.65	20,270	20,270			
1994	23,811.21	26 , 192	26 , 192			
1995	7,264.00	7 , 990	7 , 990			
1996	21.00	23	23			
1998	6,158.71	6 , 775	6 , 775			
1999	1,781.97	1,960	1,960			
2000	10,208.60	11,229	11,229			
2003	10,426.12	11,469	11,469			
2004	2,086.10	2,295	2 , 295			
2007	135,867.17	149,454	149,454			
2009	157,801.67	173 , 582	173 , 582			
2011	10,306.64	11,337	11,337			
2013	6,150.84	6 , 766	6 , 766			
2015	209,964.73	230,961	230,961			
	1,821,179.50	2,003,297	2,003,297			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

INTERIN PROBABI	ORIGINAL COST (2) UNITS 1 AND 2 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-201	RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
1947 1973 1974 2000 2001 2003 2004	464,339.65 32,257.44 3,680.00 36,257.09 78,101.58 11,541.15 4,683.12	510,774 35,483 4,048 39,883 85,912 12,695 5,151 693,946	510,774 35,483 4,048 39,883 85,912 12,695 5,151			
INTERIN PROBABI	RIVER UNIT 3 4 SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-201				
1954 1955 1977 1978 1982 1985 1996 1997 2007 2011 2012 2013	1,550,242.02 34,484.51 454,212.76 2,303.00 372,934.13 19,443.60 107,389.55 26,427.69 40,561.24 107,003.10 10,061.86 31,239.04	1,705,266 37,933 499,634 2,533 410,228 21,388 118,129 29,070 44,617 117,703 11,068 34,363	1,705,266 37,933 499,634 2,533 410,228 21,388 118,129 29,070 44,617 117,703 11,068 34,363			

2,756,302.50 3,031,932 3,031,933

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

ORIGINAL CALCULATED ALLOC. BOOK FUTURE BOOK REM.

YEAR (1)	COST (2)	ACCRUED (3)	RESERVE (4)	ACCRUALS (5)	LIFE (6)	ACCRUAL (7)
(±)	(2)	(3)	(4)	(3)	(0)	(/)
	RIVER UNIT 4					
	IM SURVIVOR CURVE					
	BLE RETIREMENT YE)			
NET SA	ALVAGE PERCENT	-10				
1954	1,164.00	1,280	1,280			
1959	2,161,579.97	2,377,738	2,377,738			
1960	9,468.10	10,415	10,415			
1965	0.10	,	0			
1966	2,606.00	2,867	2,867			
1971	881.40	970	970			
1972	65.10	72	72			
1974	36.19	40	40			
1975	1,648.52	1,813	1,813			
1980	42,214.04	46,435	46,435			
1981	66.60	73	73			
1982	1,306.83	1,438	1,438			
1984	7,645.65	8,410	8,410			
1985	24,235.92	26,660	26,660			
1986	79,771.36	87 , 748	87,748			
1987	8,740.03	9,614	9,614			
1988	18,125.00	19,938	19,938			
1989	156.90	173	173			
1990	0.35		0			
1991	152,430.19	167,673	167,673			
1992	2,336.56	2,570	2 , 570			
1993	4,681.88	5 , 150	5,150			
1994	0.20		0			
1995	35,470.17	39,017	39,017			
1996	148,489.00	163,338	163,338			
1997	103,109.11	113,420	113,420			
1999	13,769.35	15,146	15,146			
2000	125,696.00	138,266	138,266			
2001	42,304.92	46,535	46,535			
2003	61,159.54	67 , 275	67 , 275			
2004	23,213.76	25 , 535	25 , 535			
2005	230,880.63	253 , 969	253 , 969			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	1,221	122 10 0111011	0001 110 01	2202112211 01,	
YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	ANNUAL ACCRUAL (7)
GREEN :	RIVER UNIT 4				
INTERI	M SURVIVOR CURV	E IOWA 105-	R2.5		
	LE RETIREMENT Y		.5		
NET SA	LVAGE PERCENT	-10			
2006	23,820.27	26 202	26,202		
2007	126,896.02		139,586		
2009	247,241.98	271,966	271,966		
2010	93,859.03	103,245	103,245		
2011	463,969.76	510,367	510 , 367		
2012	520,231.89	572 , 255	572 , 255		
2013	809,993.40	890,993	890,993		
2016	42,182.68	46,401	46,401		
	5,631,448.40	6,194,593	6,194,593		
CDEEN	RIVER UNITS 1 A	ND 2			
	M SURVIVOR CURV		·R2 5		
	LE RETIREMENT Y				
	LVAGE PERCENT				
1941	632.00		695		
	1,022,178.80				
			48,285		
	12,435.28	•			
	11,239.00	12,363	•		
1961	219.00	241	241		
1965 1970	6,953.70 0.08	7,649	7 , 649		
		5,608			
	32,248.63		35,473		
1975			470,248		
1010	127, 150.02	1,0,210	1,0,210		

37,480 75,008

1,932,119

91,811.76 100,993 100,993

37,480

75,008

1977

1978

1997

34,073.00

68,189.00

1,756,471.53 1,932,119

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311.2 STRUCTURES AND IMPROVEMENTS - RETIRED PLANT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIM PROBABL	LE UNIT 3 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 12-201			
1951	5,844.00	6,428	6,428		
1963	7,129.00	7,842	7,842		
1970	1,082.00	1,190			
1975	8,772.00	9,649	9,649		
1976	20.00	22	22		
1978	2,577.11	2 , 835	2 , 835		
1979	8,108.00	8 , 919	8,919		
1988	1,821.00	2,003	2,003		
1995	31,090.00	34 , 199	34,199		
1997	6 , 678.00	7,346	7,346		
2000	10,484.00	11,532	11,532		
2002	51,958.50	57 , 154	57 , 154		
2011	9,638.92	10,603	10,603		
2013	37,239.96	40,964	40,964		
	182,442.49	200,686	200,687		
	12,778,704.45	14,056,573	14,056,575		

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 0.0 0.00

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	LE COUNTY UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 70-F EAR 6-2066				
1990 1999 2002 2003 2004 2008 2011 2012 2013 2014 2015 2016 2017	30,411,667.13 46,214.59 235,262.87 251,881.90 103,726.28 11,126.98 479,985,991.31 4,494,781.01 836,833.81 10,993,731.73 5,565,936.43 8,836,470.17 12,492,828.31 554,266,452.52	12,652,230 14,440 64,194 65,234 25,377 2,041 63,350,471 510,856 79,319 825,876 303,909 295,163 140,463	17,857,673 20,381 90,605 92,073 35,818 2,881 89,414,437 721,035 111,953 1,165,662 428,945 416,600 198,253	16,507,510 31,842 175,242 192,554 81,393 9,693 452,969,733 4,358,068 833,669 11,257,255 5,860,563 9,568,611 13,918,643 515,764,775	38.51 40.74 41.37 41.57 41.76 42.47 42.95 43.10 43.25 43.39 43.53 43.67 43.80	428,655 782 4,236 4,632 1,949 228 10,546,443 101,115 19,276 259,444 134,633 219,112 317,777
INTER PROBA	LE COUNTY UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 70-F EAR 6-2066				
1990 2003 2005 2007 2011 2012	11,005,849.25 51,829.65 14,655.98 131,148.15 60,043,715.62 1,218,956.00	4,578,787 13,423 3,374 26,142 7,924,810 138,541	7,757,291 22,741 5,716 44,289 13,426,057 234,713	4,679,319 35,827 10,845 103,908 54,423,341 1,142,707	38.51 41.57 41.94 42.30 42.95 43.10	121,509 862 259 2,456 1,267,133 26,513

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	E COUNTY UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	E IOWA 70-R EAR 6-2066				
2013 2014 2016	131,025.54 338,774.33 17,436.11	12,419 25,450 582	21,040 43,117 986	127,019 339,698 18,717	43.25 43.39 43.67	2,937 7,829 429
	72,953,390.63	12,723,528	21,555,951	60,881,380		1,429,927
INTERI PROBAE	UNIT 1 M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	EAR 2-2019				
1950	38,574.00	40,067	40,888			
1956	3,863,943.49	4,008,089	4,095,780			
1957	198,794.49	206,118	210,722			
1959	13,000.91	13,472	13,781			
1965 1966	11,524.63 34.45	11 , 919 36	12 , 216 37			
1968	1,948.40	2 , 013	2 , 065			
1973	1,590,515.65	1,639,010	1,685,947			
1974	18,694.00	19,253	19,816			
1975	441,330.00	454,271	467,810			
1977	7,170.50	7,372	7,601			
1978	1,881.00	1,932	1,994			
1983	80,244.00	82,109	85,059			
1984	4,372.00	4,469	4,634			
1985	27,185.00	27 , 763	28,816			
1987	70 , 883.58	72 , 230	75 , 137			
1988	311,788.04	317,325	330,495			
1989	12,314.44	12,517	13,053			
1990	16,976.00	17,231	17,995			
1991	11,405,119.81	11,558,822	12,089,427			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 2-2019				
1992 1994 1995 1996 1997 1999 2001 2002 2003 2004 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017	299,803.87 809,175.97 5,085.27 551,595.25 269,896.00 6,580.00 1,316,699.00 13,656.00 217,931.20 1,794,079.90 556,841.17 40,236.58 421,857.31 2,917,291.73 1,903,167.53 2,427,890.91 180,640.37 3,112,190.42 518,642.40 64,953.85 1,920,395.92 629,503.50 462,166.89	303,352 815,767 5,116 553,691 270,249 6,551 1,301,631 13,443 213,504 1,748,103 539,154 38,674 401,982 2,751,029 1,772,067 2,224,821 162,215 2,719,994 436,285 51,638 1,388,679 376,282 147,557	317,792 857,727 5,390 584,691 286,090 6,975 1,395,701 14,475 231,007 1,901,725 590,252 42,651 447,169 3,092,329 1,996,820 2,506,997 182,789 3,064,974 491,619 58,187 1,564,807 424,006 166,272	20,538 66,567 8,690 233,948 58,141 10,664 470,813 243,267 323,625	1.16 1.16 1.16 1.16 1.16 1.16 1.16	17,705 57,385 7,491 201,679 50,122 9,193 405,873 209,713 278,987
	38,556,575.43	36,737,802	39,433,716	1,436,254		1,238,148

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB:	M SURVIVOR CURVI LE RETIREMENT YI	EAR 2-2019				
NET SA.	LVAGE PERCENT	-0				
1963	4,969,891.71	5,143,600	5,268,085			
1964	83,935.36	86,839	88,971			
1965	2,736.70	2,830	2,901			
1966	425.52	440	451			
1975	2,622,355.35	2,699,252	2,779,697			
1976	19,653.62	20,218	20,833			
1977	1,845.00	1,897	1,956			
1978	16,079.65	16,519	17,044			
1980	82,061.00	84,181	86,985			
1985	3,930.00	4,013	4,166			
1988	117,057.24	119,136	124,081			
1989	38,963.27	39 , 603	41,301			
1990	28,392.45	28 , 819	30 , 096			
1991	382,847.00	388,006	405,818			
1992	195,307.00	197,618	207,025			
1993	2,164,127.18	2,185,883	2,293,975			
1994	3,820,792.27	3,851,912	4,050,040			
1995	314,560.32	316,469	333,434			
1998	380.00	379	403			
1999	1,985,695.00	1,976,947	2,104,837			
2002	30,185.00	29 , 713	31,996			
2003	419,887.86	411,357	445,081			
2004	3,336,963.09	3,251,447	3,537,181			
2005	115,467.62	111,800	122,396			
2007	319,765.64	304,701	338 , 952			
2008	38,247.48	36 , 068	40,542			
2009	5,684,731.37	5,293,136	6,025,815			
2010	1,991,547.56	1,824,973	2,111,040			
2011	636,571.01	571,641	674,765			
2012	6,650,986.04	5,812,833	6,880,984	169,061	1.16	145,742
2013	595,614.98	501,035	593,104	38,248	1.16	32,972

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER: PROBA	UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 2-2019				
2014 2015 2016 2017	1,500,354.55 2,829,271.46 838,753.03 365,423.23	1,192,782 2,045,907 501,360 116,669	1,411,965 2,421,858 593,489 138,108	178,411 577,170 295,590 249,241	1.16 1.16 1.16 1.16	153,803 497,560 254,819 214,863
	42,204,805.56	39,169,983	43,229,373	1,507,721		1,299,759
INTER: PROBA	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2035				
1971 1972 1973 1974 1975 1976 1977 1980 1981 1982 1983 1984 1985 1986 1987 1988	23,523,835.90 227,473.81 121,887.17 23,028.00 413.00 8,312,827.29 300,180.00 328,422.00 831.05 1,751,913.00 208,501.00 583,948.05 178,836.30 6,308.00 1,331,048.28 825,544.36	17,761,889 170,702 90,877 17,059 304 6,073,393 217,713 232,514 583 1,218,619 143,648 398,267 120,691 4,211 878,095 538,032	13,144,470 126,326 67,252 12,624 225 4,494,541 161,116 172,069 431 901,824 106,305 294,733 89,316 3,116 649,824 398,164	11,790,796 114,796 61,948 11,785 213 4,317,056 157,075 176,058 449 955,204 114,706 324,252 100,251 3,570 761,088 476,913	15.69 15.75 15.81 15.86 15.91 15.96 16.01 16.15 16.23 16.27 16.31 16.35 16.38 16.42 16.45	751,485 7,289 3,918 743 13 270,492 9,811 10,901 28 58,854 7,050 19,881 6,132 218 46,351 28,992
1990 1991 1992	631,688.53 23,220.54 11,745,103.85	400,877 14,524 7,233,838	296,664 10,748 5,353,314	372,926 13,865 7,096,496	16.51 16.54 16.57	22,588 838 428,274

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER PROBA	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT V ALVAGE PERCENT	YEAR 6-2035	* *			
1993	2,346,857.63	1,421,703	1,052,114	1,435,555	16.60	86,479
1994	3,067,380.50	1,826,357	1,351,573	1,899,850	16.62	114,311
1995	750,300.20	438,387	324,423	470,895	16.65	28,282
1997	4,676,406.78	2,620,513	1,939,279	3,017,712	16.70	180,701
1998	68,370.00	37,441	27 , 708	44,764	16.72	2,677
1999	401,832.00	214,611	158,820	267,122	16.74	15,957
2000	127,001.94	66,001	48,843	85 , 779	16.76	5,118
2001	251,033.71	126,648	93 , 724	172,371	16.78	10,272
2002	74,954.25	36,601	27 , 086	52 , 365	16.80	3,117
2003	391,655.38	184,545	136,570	278 , 584	16.82	16,563
2004	86,283.64	39 , 073	28 , 915	62 , 545	16.84	3,714
2005	3,194,942.75	1,384,594	1,024,652	2,361,987	16.86	140,094
2006	3,039,853.38	1,253,679	927 , 770	2,294,475	16.88	135,929
2007	8,078,544.98	3,152,392	2,332,889	6,230,368	16.89	368,879
2008	1,093,013.42	400,097	296 , 087	862 , 507	16.91	51,006
2009	245,739.33	83 , 589	61 , 859	198,625	16.93	11,732
2010	1,198,155.42	374,346	277,030	993,015	16.94	58 , 620
2011	3,445,815.41	970 , 852	718,467	2,934,097	16.96	173,001
2012	126,893,443.63	31,595,706	23,382,018	111,125,032	16.97	6,548,322
2013	27,923,468.83	5,944,934	4,399,476	25,199,401	16.99	1,483,190
2014	2,079,275.62	361,020	267,168	1,936,864	17.00	113,933
2015	90,311,570.30	11,744,189	8,691,144	87,039,120	17.02	5,113,932
2016	99,107,043.92	8,137,442	6,022,015	99,031,452	17.03	5,815,118
2017	13,673,311.61	397,128	293,890	14,199,821	17.04	833,323
	442,651,264.76	108,327,684	80,166,586	389,043,755		22,988,128

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	UNITS 1, 2 AND RIM SURVIVOR CURV BLE RETIREMENT Y BALVAGE PERCENT	E IOWA 70-R EAR 6-2035				
1994 2010 2012 2013 2014 2015 2016 2017	31,326,108.76 254,234.17 295,455,751.48 763,791.58 578,635.26 1,607,398.04	3,071,975 9,787,373 63,303 62,902,825 132,616 75,246 131,980 966	3,029,123 9,650,845 62,420 62,025,367 130,766 74,196 130,139 953	2,439,846 23,554,831 207,068 251,157,730 678,853 539,157 1,573,703 34,285	16.62 16.94 16.97 16.99 17.00 17.02 17.03 17.04	146,802 1,390,486 12,202 14,782,680 39,933 31,678 92,408 2,012
INTER PROBA	335,178,567.22 UNIT 1 SCRUBBER RIM SURVIVOR CURV BLE RETIREMENT Y GALVAGE PERCENT	E IOWA 70-R EAR 6-2034		280,185,473		16,498,201
1994 1997 2010 2011 2012 2013 2014 2015 2016 2017	6,386.32 21,423,616.00 12,043.79 759,148.82 115,917,937.08 152,123.49 67,811.53 452,417.04 214,603.28	3,973 12,575,465 3,992 227,705 30,738,238 34,589 12,608 63,260 18,917 17,823	5,241 16,588,163 5,266 300,363 40,546,486 45,626 16,631 83,446 24,953 23,510	1,656 6,549,342 7,741 519,517 84,644,886 118,667 56,605 405,165 206,818 592,142	15.73 15.79 16.01 16.02 16.04 16.05 16.06 16.07 16.09	105 414,778 484 32,429 5,277,113 7,394 3,525 25,213 12,854 36,779
	139,576,135.58	43,696,570	57,639,685	93,102,541		5,810,674

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ACCOUNT 312 BOILER PLANT EQUIPMENT

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GHENT	UNIT 1					
INTER	IM SURVIVOR CURV	E IOWA 70-R	1.5			
PROBAI	BLE RETIREMENT Y	EAR 6-2034				
NET SA	ALVAGE PERCENT	-8				
1958	50,033.00	41,562	39 , 426	14,609	14.07	1,038
1974	48,328,296.23	37,094,152	35,187,978	17,006,582	15.05	1,130,005
1979	153,844.00	113,980	108,123	58,029	15.27	3,800
1980	485,218.64	356,612	338,287	185,750	15.31	12,133
1981	6,294.00	4,587	4,351	2,446	15.35	159
1982	40,874.00	29,537	28,019	16,125	15.38	1,048
1983	0.16		0	,		_, -,
1984	705.60	500	474	288	15.45	19
1985	3,913.34	2,748	2,607	1,620	15.48	105
1986	20,989.71	14,577	13,828	8,841	15.52	570
1987	190,485.08	130,824	124,101	81,623	15.55	5,249
1989	84,769.00	56 , 835	53,914	37 , 636	15.60	2,413
1990	63,912.00	42,287	40,114	28 , 911	15.63	1,850
1991	310,440.00	202,523	192,116	143,159	15.66	9,142
1992	354,903.01	228,156	216,432	166,864	15.68	10,642
1993	90,815.89	57 , 447	54 , 495	43,586	15.71	2,774
1994	379 , 207.79	235,902	223,780	185 , 765	15.73	11,810
1995	8,458,382.43	5,168,248	4,902,665	4,232,388	15.75	268,723
1996	787 , 729.69	472,080	447,821	402 , 927	15.77	25 , 550
1998	134,109.00	76 , 970	73 , 015	71,823	15.81	4,543
1999	149,045.50	83 , 471	79 , 182	81 , 788	15.83	5 , 167
2000	37,620.04	20,518	19,464	21,166	15.85	1,335
2001	4,242,188.53	2,247,394	2,131,906	2,449,657	15.87	154 , 358
2002	3,272,250.00	1,679,477	1,593,173	1,940,857	15.89	122,143
2003	1,517,122.97	752 , 363	713,701	924 , 792	15.90	58 , 163
2004	53,691,449.22	25,618,553	24,302,081	33,684,684	15.92	2,115,872
2005	6,533,312.05	2,985,313	2,831,905	4,224,072	15.94	264,998
2006	2,377,396.83	1,035,483	982 , 272	1,585,316	15.95	99,393
2007	1,359,443.47	560,456	531,656	936,543	15.97	58,644
2008	993,616.17	385,256	365,459	707,647	15.98	44,283
2009	3,419,068.72	1,232,920	1,169,563	2,523,031	16.00	157 , 689

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER:	UNIT 1 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT.	YEAR 6-203				
2010 2011 2012 2013 2014 2015 2016 2017	4,060,588.58 4,926,814.09 28,796,494.21 1,552,115.87 2,380,884.08 166,530,486.47 5,112,103.09 5,034,197.76	1,346,022 1,477,790 7,636,035 352,908 442,684 23,285,558 450,630 157,399	1,276,853 1,401,850 7,243,639 334,773 419,936 22,088,972 427,473 149,311	3,108,582 3,919,109 23,856,575 1,341,512 2,151,419 157,763,953 5,093,598 5,287,623	16.01 16.02 16.04 16.05 16.06 16.07 16.09 16.10	194,165 244,639 1,487,318 83,583 133,961 9,817,296 316,569 328,424
INTER:	355,931,120.22 UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT.	YEAR 6-203		274,290,896		17,179,573
1977 1978 1979 1980 1981 1982 1986 1987 1988 1989 1990 1991 1994 1995 1996	58,175,364.71 378,364.00 171,073.08 41,332.94 6,265.64 74,950.00 622,685.40 303,212.93 440,286.00 22,395.85 3,078.00 159,055.00 554,181.74 192,226.00 1,317,733.68	43,749,364 282,472 126,745 30,378 4,567 54,161 432,451 208,245 298,824 15,016 2,037 103,763 344,751 117,454 789,707	36,857,216 237,972 106,778 25,592 3,848 45,629 364,324 175,439 251,748 12,650 1,716 87,416 290,440 98,951 665,299	25,972,178 170,661 77,981 19,047 2,919 35,317 308,176 152,031 223,761 11,537 1,608 84,363 308,076 108,653 757,854	15.19 15.23 15.27 15.31 15.35 15.38 15.52 15.55 15.60 15.63 15.66 15.73 15.75	1,709,821 11,206 5,107 1,244 190 2,296 19,857 9,777 14,362 740 103 5,387 19,585 6,899 48,057

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ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2034				
1997 1998 1999 2000 2001 2002 2003 2005 2006 2007 2008 2010 2011 2012 2013 2014 2015 2016 2017	1,696,598.00 31,096.00 1,037,479.70 18,464.61 406,215.00 5,138,574.32 281,262.34 2,911,587.84 388,451.69 384,330.33 179,568.29 209,912.20 5,115,447.96 696,400.85 30,284,534.59 22,866,954.02 1,722,539.16 139,129,149.04 1,134,039.40 1,093,971.20	995,887 17,847 581,024 10,071 215,201 2,637,365 139,482 1,330,413 169,191 158,447 69,624 75,695 1,695,691 208,884 8,030,623 5,199,314 320,277 19,454,095 99,965 34,204 88,003,235	838,998 15,035 489,491 8,484 181,299 2,221,882 117,508 1,120,824 142,537 133,486 58,656 63,770 1,428,557 175,977 6,765,502 4,380,229 269,821 16,389,353 84,217 28,816 74,139,461	993,328 18,548 630,987 11,457 257,413 3,327,778 186,255 2,023,691 276,991 281,591 135,278 162,935 4,096,127 576,136 25,941,795 20,316,081 1,590,521 133,870,128 1,140,546 1,152,673	15.79 15.81 15.83 15.85 15.87 15.89 15.90 15.94 15.95 15.97 15.98 16.00 16.01 16.02 16.04 16.05 16.06 16.07 16.09 16.10	62,909 1,173 39,860 723 16,220 209,426 11,714 126,957 17,366 17,632 8,465 10,183 255,848 35,964 1,617,319 1,265,799 99,036 8,330,437 70,885 71,595
PROBA	IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2037				
1981 1982 1983	128,887,548.59 4,323,370.79 175,918.00	88,829,556 2,950,540 118,824	94,419,316 3,136,208 126,301	44,779,236 1,533,032 63,690	17.85 17.90 17.95	2,508,641 85,644 3,548

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ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT V ALVAGE PERCENT	YEAR 6-203				
1984	9,724,031.69	6,497,769	6,906,653	3,595,301	18.00	199,739
1985	13,041.58	8,618	9,160	4,925	18.04	273
1986	5,003.81	3,267	3,473	1,932	18.09	107
1987	773,529.19	498,833	530,223	305,189	18.13	16,833
1989	51,742.00	32,478	34,522	21,360	18.21	1,173
1990	148,350.00	91,757	97,531	62,687	18.25	3,435
1994	124,286.66	71,816	76,335	57,894	18.39	3,148
1995	694,601.50	393,284	418,032	332,138	18.43	18,022
1996	328,272.00	181,943	193,392	161,142	18.46	8,729
1997	1,620,817.00	878 , 077	933,332	817 , 151	18.49	44,194
1998	206,918.25	109,365	116,247	107,225	18.52	5,790
1999	5,607,517.20	2,887,012	3,068,682	2,987,436	18.54	161,135
2000	72,921.99	36 , 475	38 , 770	39 , 985	18.57	2,153
2002	602,894.00	282,393	300,163	350 , 962	18.62	18,849
2003	855,281.04	385,692	409,962	513,741	18.65	27,546
2004	70,682,706.81	30,583,785	32,508,325	43,828,998	18.67	2,347,563
2005	3,708,105.24	1,532,860	1,629,318	2,375,436	18.69	127,097
2006	1,083,127.40	425,343	452,108	717,669	18.71	38,358
2007	170,859.09	63 , 278	67 , 260	117,268	18.74	6 , 258
2008	7,849.41	2,721	2,892	5 , 585	18.76	298
2009	5,797,862.51	1,862,352	1,979,544	4,282,148	18.78	228,016
2010	3,722,211.44	1,094,080	1,162,927	2,857,061	18.80	151 , 971
2011	2,923,273.40	773,782	822 , 474	2,334,662	18.82	124,052
2012	5,638,318.74	1,315,733	1,398,528	4,690,856	18.83	249,116
2013	5,171,161.32	1,027,501	1,092,158	4,492,696	18.85	238,339
2014	170,490,781.71	27,477,727	29,206,813	154,923,232	18.87	8,210,028
2015	3,549,687.32	427,377	454,270	3,379,392	18.89	178,898
2016	2,668,331.09	201,294	213,961	2,667,837	18.91	141,081
2017	3,657,764.25	97 , 733	103,883	3,846,502	18.92	203,303
	433,488,085.02	171,143,265	181,912,764	286,254,368		15,353,337

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTER PROBA	UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2038				
1984	123,326,066.27	80,882,266	67,698,210	65,493,942	18.82	3,480,018
1986	209,125.43	133,871	112,050	113,806	18.93	6,012
1987	110,311.00	69,725	58,360	60,776	18.97	3,204
1989	864,078.80	530,938	444,393	488,812	19.07	25,633
1990	160,162.29	96,951	81,148	91,828	19.11	4,805
1991	11,877.00	7 , 076	5 , 923	6 , 905	19.15	361
1992	91,017.00	53,310	44,620	53 , 678	19.19	2,797
1994	36,963.56	20,856	17,456	22,464	19.27	1,166
1995	1,910,485.07	1,056,442	884,239	1,179,085	19.30	61,092
1996	704,727.26	381 , 139	319,012	442,093	19.34	22,859
1998	7,924.00	4,083	3,417	5,140	19.40	265
1999	1,429,371.01	716,750	599 , 918	943,803	19.43	48,575
2000	42,052.00	20,471	17,134	28,282	19.46	1,453
2001	373,444.57	176,065	147,366	255,954	19.49	13,133
2002	813,279.13	370,186	309,845	568,497	19.52	29,124
2003	2,723,839.24	1,192,613	998,213	1,943,533	19.55	99,413
2004	53,538,230.21	22,482,073	18,817,427	39,003,862	19.57	1,993,044
2005	4,262,301.29	1,706,852	1,428,630	3,174,655	19.60	161 , 972
2006	12,983.46	4,936	4,131	9,891	19.62	504
2007	728,088.85	260 , 773	218,266	568 , 070	19.65	28,909
2008	247 , 594.72	82 , 978	69 , 452	197 , 950	19.67	10,064
2009	8,610,056.79	2,672,214	2,236,635	7,062,226	19.69	358 , 671
2010	3,558,896.46	1,007,986	843 , 681	2,999,927	19.72	152,126
2011	6,272,978.31	1,597,299	1,336,934	5,437,882	19.74	275 , 475
2012	50,601,919.19	11,333,332	9,485,964	45,164,108	19.76	2,285,633
2013	11,920,334.08	2,272,512	1,902,086	10,971,875	19.78	554 , 695
2014	456,159,644.01	70,380,324	58,908,117	433,744,299	19.80	21,906,278

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ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
(1)	(2)	(3)	(4)	(3)	(0)	(/)
INTERI PROBAE	UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	TEAR 6-2038				
2015 2016 2017	1,868,343.42 12,762,644.96 7,837,630.42 751,196,369.80	214,695 920,610 195,702 200,845,028	179,699 770,548 163,802	1,838,112 13,013,109 8,300,839 643,185,403	19.82 19.84 19.86	92,740 655,903 417,968
INTERI PROBAE	UNIT 2 SCRUBBER IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	YE IOWA 70-F YEAR 6-2034				
1994	55,574,813.33	34,572,580	57,134,124	2,886,674	15.73	183,514
2001	57 , 800.67	30,621	50,604	11,821	15.87	745
2002	373,088.95	191,487	316,449	86,488	15.89	5,443
2003	244,482.98	121,243	200,364	63,677	15.90	4,005
2004	463,143.19	220,986	365,198	134,997	15.92	8,480
2006	13,411.72	5,842	9,654	4,830	15.95	303
2012	8,780,826.10	2,328,433	3,847,933	5,635,359	16.04	351 , 332
2013	297,276.90	67,593	111,703	209,356	16.05	13,044
2015	580,743.20	81,204	134,197	493,006	16.07	30 , 679
2016	41,434.95	3 , 652	6 , 035	38 , 715	16.09	2,406
2017	3,698,546.13	115,639	191,103	3,803,327	16.10	236,231
	70,125,568.12	37,739,280	62,367,365	13,368,249		836,182

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ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAF (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTE:	I 3 SCRUBBER RIM SURVIVOR CURV ABLE RETIREMENT Y SALVAGE PERCENT	EAR 6-2037	.5			
2007 2011 2012 2013 2014 2015 2016 2017	6,848,600.71 249,577.51 222,658.95 567,246.36 221,002.85 437,494.93	40,622,245 1,812,805 58,240 44,242 91,422 26,608 33,004 29,293 42,717,859	37,585,192 1,677,274 53,886 40,934 84,587 24,619 30,537 27,103	80,874,638 5,719,215 215,658 199,537 528,039 214,064 441,958 1,156,925 89,350,035	18.74 18.82 18.83 18.85 18.87 18.89 18.91	4,315,616 303,890 11,453 10,586 27,983 11,332 23,372 61,148
INTE:	I 4 SCRUBBER RIM SURVIVOR CURV ABLE RETIREMENT Y SALVAGE PERCENT	E IOWA 70-R1 EAR 6-2038		03,330,033		1,700,300
2011 2012 2013 2014 2015 2016 2017	251,732,171.56 865,241.71 435,675.38 75,609.90 153,720.92	11,088	113,142 14,623 18,663	176,973,428 656,823 357,388 67,035 147,356	3 19.78 3 19.80 5 19.82 5 19.84	4,143 8,956,145 33,206 18,050 3,382 7,427 40,436
	254,161,647.89 3,886,806,695.50	1,108,363,637	1,159,258,254	3,052,682,145	5	9,062,789
	COMPOSITE REMAIN:	ING LIFE AND A	NNUAL ACCRUAL	KATE, PERCENT	19./	4.00

Attachment 1 to Response to KIUC-1 Question No. 29

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)		
INTERIM PROBABI	C COUNTY UNIT 2 1 SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-202				
1990 2011	4,493,379.64 4,610,665.23	3,688,615 2,397,546	3,041,332 1,976,821	1,452,048 2,633,844		242,008 438,974
2011	4,010,003.23	2,337,340	1,370,021	2,033,044	0.00	430,374
	9,104,044.87	6,086,161	5,018,153	4,085,892		680,982
TNIMEDIA	A CHDUITUAD CHDUI	7 TOMA 100	C.A.			
PROBABI	1 SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-201				
2005	170,126.36	146,661	170,126			
2007	172,621.19	145,002	172,621			
2008	8,648.65	7,145	8,649			
2009	224,059.52	181,381	224,060			
	575,455.72	480,189	575 , 456			
INTERIM PROBABI	RIVER UNIT 3 1 SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 12-201				
1978	931,932.13	887,022	931,932			
1985	296.57	279	297			
1997			5,030			
	49,756.95		49,757			
	26,461.24		26,461			
			72,732			
2009	246,680.85	199,693	246,681			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

YEAR (1)		ACCRUED		FUTURE BOOK ACCRUALS (5)	LIFE	
INTERI PROBAB	RIVER UNIT 3 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-201				
2011	130,846.99 334,280.60 33,823.14	255,628 24,804	334,281 33,823			
INTERI PROBAB	1,831,840.98 LLE UNIT 3 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	E IOWA 100- EAR 12-201	·S4			
	50,117.00 41,148.89		50,117 41,149			
	91,265.89	86,924	91,266			
PROBAB	UNIT 1 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1993	9,299,115.00	8,284,675	9,298,845	270	3.00	90
	9,299,115.00	8,284,675	9,298,845	270		90

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

YEAR (1)	ORIGINAL COST (2)		ALLOC. BOOK RESERVE (4)	ACCRUALS		ANNUAL ACCRUAL (7)
INTERI PROBAB	UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
1993	3,909,061.67	3,482,622	2,991,413	917,649	3.00	305,883
	3,909,061.67	3,482,622	2,991,413	917,649		305,883
INTERI PROBAB	UNIT 3 M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	EAR 12-202				
2008	19,802,080.26	15,049,581	5,142,558	14,659,522	3.00	4,886,507
	19,802,080.26	15,049,581	5,142,558	14,659,522		4,886,507
INTERI PROBAB	UNIT 1 SCRUBBER M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	E IOWA 100- EAR 12-202				
1997	39,480.55	34,440	39,209	272	3.00	91
	39,480.55	34,440	39,209	272		91
INTERI PROBAB	UNIT 1 M SURVIVOR CURV BLE RETIREMENT Y LLVAGE PERCENT	EAR 12-202				
	1,777,792.39 322,828.55		1,766,490 307,271	11,303 15,557		2,261 3,111
	2,100,620.94	1,871,878	2,073,761	26,860		5 , 372

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

YEAR	ORIGINAL COST	ACCRUED	-	ACCRUALS		ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER PROBA	UNIT 4 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 12-202	-			
	16,544,368.68 16,148,295.19			8,937,188 9,445,449		
	32,692,663.87	26,595,269	14,310,027	18,382,637		4,595,659
INTER PROBA	UNIT 2 SCRUBBER IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	E IOWA 100- EAR 12-202	-			
1994	1,901,133.18	1,685,906	1,901,133			
	1,901,133.18	1,685,906	1,901,133			
	81,346,762.93	65,260,197	43,273,662	38,073,102		10,474,584
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAI	RATE, PERCENT	3.6	12.88

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTERI PROBAE	E COUNTY UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2066	-			
1990	10,495,573.59	4,820,496	6,572,140	5,287,858	34.07	155,206
2008	10,044,788.71	1,960,024	2,672,246	8,678,365	41.30	210,130
2011	63,452,777.33	8,865,908	12,087,550	59,614,088	42.17	1,413,661
2012	35,891.34	4,312	5 , 879	34 , 678	42.45	817
2014	2,395,609.34	189,303	258,091	2,448,948	42.96	57 , 005
2015	581,903.51	33 , 515	45 , 693	611 , 857	43.20	14,163
2016	2,364,803.69	82 , 866	112 , 977	2,559,251	43.44	58 , 915
2017	614,976.53	7,401	10,090	684,833	43.66	15,686
	89,986,324.04	15,963,825	21,764,667	79,919,879		1,925,583

BROWN UNIT 1
INTERIM SURVIVOR CURVE.. IOWA 60-R2
PROBABLE RETIREMENT YEAR.. 2-2019
NET SALVAGE PERCENT.. -6

1956	3,209,637.23	3,328,217	3,402,215
1959	14,882.13	15 , 418	15 , 775
1968	5,774.91	5 , 966	6,121
1985	11,462.31	11,709	12,150
1996	32,671.87	32,810	34,632
1997	17,942.90	17 , 974	19,019
2001	103,385.99	102,250	109,589
2004	163,261.40	159 , 155	173,057
2009	467,034.49	435,110	495 , 057
2010	0.03		0
2012	1,851,245.33	1,616,029	1,962,320
2013	77,712.20	65 , 286	82 , 375
2014	262,052.93	207,885	277 , 776

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	UNIT 1 M SURVIVOR CURVI BLE RETIREMENT YI ALVAGE PERCENT	EAR 2-2019				
2015 2016 2017	5,133,151.02 10,064.58 20,639.88	3,701,771 5,976 6,458	5,120,672 8,267 8,933	320,468 2,402 12,945	1.17 1.17 1.17	273,904 2,053 11,064
	11,380,919.20	9,712,014	11,727,960	335,814		287,021
INTERI PROBAE	UNIT 2 M SURVIVOR CURVE BLE RETIREMENT YE ALVAGE PERCENT	EAR 2-2019				
1963 1965 1985 1990 1994 1995 1996 1997 2002 2003 2004 2005 2006 2007 2009 2010	4,017,807.85 26,462.00 8,768.76 23,666.17 1,497,407.00 574,163.49 32,822.53 33,091.00 1,508,264.00 362,121.20 1,221,923.10 146,394.62 632,295.16 2,547.40 927,175.48 840,714.12	4,157,984 27,368 8,957 24,030 1,510,206 577,891 32,961 33,149 1,485,472 354,952 1,191,192 141,825 608,082 2,429 863,798 769,915	4,258,876 28,050 9,295 25,086 1,587,251 608,613 34,792 35,076 1,598,760 383,848 1,295,238 155,178 670,233 2,700 982,806 891,157			
2011 2012 2013	13,859.99 364,931.03 35,612.96	12,433 318,564 29,919	14,529 372,266 34,963	163 14,561 2,787	1.17 1.17 1.17	139 12,445 2,382

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 2-2019				
2014 2015 2017	1,106,284.24 275,708.32 51,040.14	877,608 198,827 15,970	1,025,550 232,344 18,662	147,111 59,907 35,440	1.17 1.17 1.17	125,736 51,203 30,291
	13,703,060.56	13,243,532	14,265,275	259,969		222,196
INTERI PROBAE	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2035				
1971	6,622,731.15	5,098,695	2,236,353	4,783,742	14.52	329,459
1973	2,376.00	1,805	792	1,727	14.76	117
1984	13,467.21	9,317	4,087	10,189	15.81	644
1993	6,448.62	3 , 956	1,735	5,100	16.38	311
1994	191,259.00	115,263	50 , 556	152 , 179	16.43	9,262
1995	421,519.00	249,293	109,343	337 , 467	16.48	20,477
1997	10,429,790.49	5,915,508	2,594,618	8,460,960	16.57	510,619
1998	297,088.00	164,605	72 , 198	242 , 715	16.61	14,613
1999	68,653.00	37 , 093	16,269	56 , 503	16.65	3,394
2003	61,008.77	29,060	12,746	51,923	16.80	3,091
2004	72,895.42	33,379	14,640	62,629	16.83	3,721
2005	4,204,448.97	1,840,668	807,341	3,649,375	16.87	216,323
2006	562,067.65	234,253	102,746	493,045	16.90	29,174
2008	781,074.49	289,017	126,767	701,172	16.95	41,367
2009	810,823.83	278,736	122,257	737,216	16.98	43,417
2011	407,184.46	116,010	50,883	380,732	17.03	22,357
2012	16,784,850.43	4,225,230	1,853,240	15,938,701	17.05	934,821
2013	60,585.16	13,012	5 , 707	58,513	17.08	3,426

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	UNIT 3 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2035				
2014	1,314,686.65 1,346,993.07	229,994	100,878	1,292,690	17.10	75 , 596
2015 2017	1,346,993.07	176,835 38,571	77,562 16,918	1,350,251 1,400,618	17.12 17.16	78,870 81,621
	45,797,249.49	19,100,300	8,377,637	40,167,447		2,422,680
INTERI PROBAE	UNIT 1 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2034				
1974	13,697,463.09	10,679,698	11,629,895	3,163,366	14.19	222,929
1975	38,921.00	30,136	32 , 817	9,217	14.29	645
1976	156.00	120	131	38	14.38	3
1979	21,978.00	16,510	17,979	5,757	14.65	393
1980	3,163.50	2,357	2,567	850	14.73	58
1985	156,856.25	111,516	121,438	47,967	15.08	3,181
1989	252,974.07	171,621	186,891	86,321	15.32	5 , 635
1992	58,228.11 1,803,234.05	37,865 1,134,648	41,234 1,235,600	21,652 711,893	15.47 15.56	1,400
1994 1995	13,200.94	8,157	8,883	5,374	15.56	45 , 751 344
1996	32,637.46	19,771	21,530	13,718	15.65	877
2001	424,030.20	227,007	247,204	210,748	15.83	13,313
2002	162,462.00	84,250	91,746	83,713	15.86	5 , 278
2003	1,089,602.19	545,692	594,243	582,527	15.89	36,660
2004	1,385,035.03	667,248	726,615	769,223	15.92	48,318
2006	1,501,464.76	660,665	719,446	902,136	15.97	56,489
2008	11,574,683.26	4,531,614	4,934,802	7,565,856	16.02	472,276
2009	426,823.12	155,370	169,194	291,775	16.05	18,179
2011	3,073,590.83	930,815	1,013,632	2,305,846	16.09	143,309
2012	58,830.81	15,751	17,152	46,385	16.11	2,879
2013	355,249.66	81,491	88,741	294,928	16.13	18,284

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGIN YEAR COST (1) (2)		ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 INTERIM SURVIVO PROBABLE RETIRE NET SALVAGE PER					
2015 2,428,50 2016 787,74 2017 957,52	47.30 70,418 20.21 30,362	371,812 76,683 33,063	20,484 2,250,973 774,084 1,001,058	16.15 16.17 16.18 16.20	1,268 139,207 47,842 61,794
40,327,74 GHENT UNIT 2 INTERIM SURVIVO PROBABLE RETIRE NET SALVAGE PER	R CURVE IOWA 60- MENT YEAR 6-203	-R2	21,165,892		1,346,312
1980 2,26 1981 89 1985 128,38 1993 11,44 1996 2,506,93	74.00 3,266,751 37.00 15,089 54.00 1,687 99.00 664 34.83 91,274 40.84 7,320 18.63 1,518,594 31.11 17,731 36.87 37,204 39.16 71,564 27.36 458,596 45.99 211,653 46.00 76,099 30.77 799,058 96.39 73,045 55.37 241,646	3,502,805 16,179 1,809 712 97,869 7,849 1,628,327 19,012 39,892 411,914 76,735 491,734 226,947 81,598 856,798 78,323 259,107	4,529,606 1,155,531 5,515 636 259 40,786 4,507 1,079,145 13,259 29,375 321,193 72,304 536,348 268,391 105,184 1,513,944 182,169 715,663 1,118,979	14.47 14.56 14.65 14.73 14.80 15.08 15.52 15.65 15.68 15.72 15.76 15.86 15.92 15.95 16.05 16.09 16.11 16.13	313,034 79,363 376 43 18 2,705 290 68,955 846 1,869 20,380 4,559 33,690 16,827 6,586 94,327 11,322 44,424 69,373

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER	UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y					
NET SA	ALVAGE PERCENT	-8				
2015	249,264.64	35,045	37 , 577	231,628	16.17	14,325
2016	348,992.43	31 , 197	33,451	343,461	16.18	21,228
2017	868,410.34	27 , 536	29 , 526	908,357	16.20	56,071
	33,056,975.75	20,912,453	22,423,578	13,277,956		866,909
GHENT	UNIT 3					
	IM SURVIVOR CURV					
	BLE RETIREMENT Y ALVAGE PERCENT					
1981	23,715,442.13	16,658,229	19,422,957	6,189,720	17.04	363,246
1982	480,015.00	333 , 653	389,029	129,388	17.15	7,544
1983	29 , 912.17	20,573	23 , 987	8,318	17.25	482
1984	7,192,035.00	4,890,897	5,702,628	2,064,770	17.35	119,007
1985	156,856.24	105,443	122,943	46,462	17.44	2,664
1987	44,239.03	28 , 999	33,812	13,966	17.62	793
1995	2,196,292.70	1,262,258	1,471,752	900,244	18.19	49,491
1996	2,264.00	1,273	1,484	961	18.25	53
1999	60,118.00	31,389	36,599	28 , 329	18.41	1,539
2003	555 , 078.69	253 , 738	295 , 850	303 , 635	18.60	16,324
2004	943,602.66	413,934	482,634	536 , 457	18.64	28,780
2005	619,008.50	259 , 216	302,237	366,292	18.68	19,609
2006	365,407.85	145,311	169,428	225,213	18.72	12,031
2007	1,228,187.47	460,607	537 , 053	789 , 390	18.76	42,078
2009	1,824,052.27	593 , 554	692,065	1,277,912	18.83	67 , 866
2011	1,402,218.14	376,040	438,451	1,075,945	18.89	56,958
2012	1,314,528.73	310,202	361,686	1,058,006	18.92	55 , 920
2013	530,602.17	106,788	124,511	448,539	18.95	23,670

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	UNIT 3 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2037				
2014 2016	152,425.65 457,129.60	24,884 34,954	29,014 40,755	135,606 452,945	18.98 19.03	7,145 23,802
2017	589,956.17	15,648	18,245	618,908	19.06	32,472
	43,859,372.17	26,327,590	30,697,120	16,671,002		931,474
INTERI PROBAE	UNIT 4 M SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2038				
1984	41,011,924.40	27,424,379	28,940,984	15,351,894	18.09	848,640
1985	236,810.00	156,402	165,051	90,704	18.20	4,984
1986	51,406.00	33 , 523	35 , 377	20,142	18.30	1,101
1987	65,193.00	41,963	44,284	26 , 125	18.39	1,421
1989	118,897.45	74 , 375	78 , 488	49 , 921	18.57	2,688
1991	21,490.58	13,021	13,741	9,469	18.74	505
1993	194,113.31	113,521	119,799	89,844	18.89	4,756
1994	321,113.00	184,207	194,394	152,408	18.96	8,038
1996	33,858.00	18,603	19,632	16,935	19.10	887
2000	676.00	334	352	378	19.34	116 101
2003 2004	3,702,461.38 106,038.93	1,644,888 45,134	1,735,853 47,630	2,262,806 66,892	19.49 19.54	116,101 3,423
2004	951,102.73	386,460	407,832	619,359	19.58	31,632
2005	1,053,339.88	405,671	428,105	709,502	19.63	36,144
2007	391,047.02	141,966	149,817	272,514	19.67	13,854
2008	399,683.45	135,627	143,127	288,531	19.71	14,639
2009	1,462,218.47	459,293	484,693	1,094,503	19.75	55,418
2011	9,957.80	2,569	2,711	8,043	19.82	406
2012	3,951,908.24	896,762	946,354	3,321,707	19.85	167,340
2013	766,472.18	148,050	156 , 237	671,553	19.88	33 , 780
2014	2,164,941.54	338,328	357,038	1,981,099	19.92	99,453

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
GHENT	UNIT 4					
INTER	RIM SURVIVOR CURV	E IOWA 60-F	2			
PROBA	BLE RETIREMENT Y	EAR 6-2038	}			
NET S	SALVAGE PERCENT	-8				
2015	25 , 437.69	2 , 973	3 , 137	24 , 335	19.94	1,220
2016	146,534.85	10,712	11,304	146,953	19.97	7 , 359
2017	2,044,910.82	51,767	54,630	2,153,874	20.00	107,694
	59,231,536.72	32,730,528	34,540,570	29,429,490		1,561,503
	337,343,179.35	158,549,140	166,184,876	201,227,449		9,563,678
	COMPOSITE REMAIN	NING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	21.0	2.83

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	E COUNTY UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	EAR 6-2066				
1990 2008 2011 2012 2013 2014 2015 2016 2017	9,229,511.61 28,344.56 34,193,435.89 1,088,194.59 159,449.60 447,854.18 228,635.93 190,160.29 53,968.16 45,619,554.81	4,221,487 5,425 4,695,361 128,266 15,630 34,808 12,918 6,565 632 9,121,092	4,594,015 5,904 5,109,706 139,585 17,009 37,880 14,058 7,144 688 9,925,988	5,835,334 26,126 33,528,877 1,090,075 163,169 468,196 244,301 207,737 60,296 41,624,109	47.60	146,103 562 713,532 23,124 3,452 9,880 5,143 4,364 1,264 907,424
INTERI PROBAE	JE COUNTY UNIT 2 M SURVIVOR CURV BLE RETIREMENT Y LLVAGE PERCENT	E IOWA 70-R EAR 6-2066				
1990	1,415,469.10	647,422	793 , 978	805,502	39.94	20,168
	1,415,469.10	647,422	793 , 978	805,502		20,168
INTERI PROBAE	UNIT 1 M SURVIVOR CURV BLE RETIREMENT Y LVAGE PERCENT	EAR 2-2019				
1956 1958 1963 1965 1968 1979	965,068.08 96,451.16 780.00 63,901.00 2,135.00 58,759.52	1,003,219 100,214 809 66,234 2,210 60,451	1,022,972 102,238 827 67,735 2,263 62,285			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABI	UNIT 1 M SURVIVOR CURVI LE RETIREMENT YH LVAGE PERCENT	EAR 2-2019				
1989 1992 1995 2001 2006 2009 2010 2011 2014	1,850.00 1,344.04 1,428,056.08 68,330.19 767,016.47 166,049.72 19,084.61 53,830.80 79,740.42	1,883 1,362 1,438,824 67,632 737,897 154,717 17,500 48,357 63,348	1,961 1,425 1,513,739 72,430 813,037 176,013 20,230 57,061 84,525			
2015 2016 2017	433,058.83 48,892.14 66,975.99	312,700 29,116 21,256	447,066 41,627 30,390	11,977 10,199 40,605	1.17 1.17 1.17	10,237 8,717 34,705
	4,321,324.05	4,127,729	4,517,823	62 , 780		53 , 659
PROBABI	UNIT 2 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 2-2019				
1948	384.00	400	407			
1963	817,849.45	848,316	866,920			
1965 1966	1,103.00 397.00	1 , 143 411	1,169 421			
1970	793.56	821	841			
1984	38,251.57	39,173	40,547			
1994	185,597.00	187,392	196,733			
1995	12,605.00	12,700	13,361			
1997	36,014.00	36,112	38,175			
1998 2005	10,424.35 30,977.05	10,424 30,023	11,050 32,836			
2003	105,240.55	96,501	111,555			
	•	•	•			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB:	UNIT 2 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 2-2019				
2011	34,981.18	31,424	36,519	561	1.17	479
2012	1,109,729.78	969 , 976	1,127,258	49 , 055	1.17	41 , 927
2014	20,568.37	16,340	18,990	2,813	1.17	2,404
2016	11,513.95	6 , 857	7 , 969	4,236	1.17	3,621
	2,416,429.81	2,288,013	2,504,751	56,665		48,431
PROBAB:	UNIT 3 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 6-2035				
1972	4,207,199.70	3,277,071	3,726,557	733,074	15.86	46,222
1973	69,444.66	53,701	61,067	12,545	15.98	785
1974	17,025.00	13,072	14,865	3,182	16.08	198
1984	4,045.00	2,839	3,228	1,059	16.89	63
1985	798.00	554	630	216	16.94	13
1988	8,408.74	5 , 629	6,401	2,512	17.08	147
1989	8,164.40	5 , 393	6,133	2,522	17.12	147
1990	9,591.76	6,246	7,103	3 , 065	17.16	179
1991	5,344.58	3,428	3,898	1,767	17.20	103
1997	778,846.00	446,538	507,786	317,791	17.35	18,316
2003	45,349.90	21,814	24,806	23,265	17.43	1,335
2004	18,213.04	8,417	9,571	9,734	17.44	558
2005	6,057.20	2,677	3,044	3,376	17.45	193
2007	1,652,556.67	657,434	747,608	1,004,102	17.46	57,509
2010	208,220.77	66,294	75 , 387	145,327	17.47	8,319
2011	163,301.43	46,868	53,296	119,803	17.48	6,854
2012	1,510,611.21	383,243	435,809	1,165,439	17.48	66,673
2013	14,410.13	3,127	3 , 556	11,719	17.48	670

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERI PROBAE	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2035				
2014 2015 2016	100,296.43 131,881.19 6,475,762.92	17,728 17,483 542,212	20,160 19,881 616,582	86,155 119,913 6,247,726	17.49 17.49 17.49	4,926 6,856 357,217
	15,435,528.73	5,581,768	6,347,369	10,014,291		577 , 283
INTERI PROBAL	UNITS 1, 2 AND IM SURVIVOR CURVIBLE RETIREMENT YOU ALVAGE PERCENT	E IOWA 70-R EAR 6-2035				
2013 2017	29,308,888.08 15,569.02	6,360,433 459	6,736,338 486	24,331,083 16,017		1,391,938 916
	29,324,457.10	6,360,892	6,736,824	24,347,101		1,392,854
INTER:	UNIT 1 SCRUBBER IM SURVIVOR CURVI BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2034				
1997 2011 2012	2,978,785.13 5,833.85 9,121,453.85	1,786,771 1,782 2,465,058	2,416,350 2,410 3,333,636	800,738 3,891 6,517,535	16.37 16.48 16.48	48,915 236 395,481
2016	117,306.68	10,564	14,286	112,405	16.49	6,817
	12,223,379.51	4,264,175	5,766,682	7,434,568		451 , 449

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
GHENT UNIT 1 INTERIM SURVIVOR CURVE IOWA 70-R4 PROBABLE RETIREMENT YEAR 6-2034 NET SALVAGE PERCENT8						
1974 1978 1994 1995 1996 2000 2004 2005 2007 2009 2011 2012 2013 2014 2015 2016 2017	6,348,415.72 869,693.72 911,155.00 70.00 15,852.00 14,398.00 33,927.95 160,601.93 53,989.17 84,877.13 268,831.65 178,069.98 43,107.20 33,762.45 3,068,772.44 127,767.94 123,589.14	5,037,384 669,398 579,830 44 9,713 8,018 16,503 74,799 22,687 31,168 82,122 48,123 9,981 6,384 436,324 11,506 3,928	6,126,347 814,106 705,176 54 11,813 9,751 20,071 90,969 27,591 37,906 99,875 58,526 12,139 7,764 530,647 13,993 4,777	729,942 125,163 278,872 22 5,307 5,799 16,572 82,481 30,717 53,762 190,463 133,790 34,417 28,699 2,783,627 123,996 128,699	15.27 15.61 16.32 16.34 16.35 16.41 16.45 16.46 16.47 16.48 16.48 16.48 16.49 16.49 16.49	47,802 8,018 17,088 1 325 353 1,007 5,011 1,865 3,262 11,557 8,118 2,087 1,740 168,807 7,519 7,805
	12,336,881.42	7,047,912	8,571,504	4,752,328		292,365
INTERI PROBAE	UNIT 2 M SURVIVOR CURVI BLE RETIREMENT YI LLVAGE PERCENT	EAR 6-2034				
1977 1984 1989 1996 1997 2007 2009	9,794,204.35 2,100,053.81 42,801.92 44,978.99 152,868.92 95,312.10 292,925.23	7,599,684 1,530,372 29,415 27,560 91,696 40,052 107,565	8,911,497 1,794,536 34,492 32,317 107,524 46,966 126,132	1,666,243 473,522 11,734 16,260 57,574 55,972 190,227	15.53 15.97 16.18 16.35 16.37 16.47	107,292 29,651 725 994 3,517 3,398 11,543

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER: PROBA	UNIT 2 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2034				
2010	60,449.95	20,400	23,921	41,365	16.48	2,510
2011	1,111,858.00	339 , 648	398 , 276	802 , 531	16.48	48,697
2012	34,908.72	9,434	11,062	26 , 639	16.48	1,616
2013	66,340.84	15,361	18,013	53 , 636	16.49	3,253
2014	81 , 708.97	15,451	18,118	70,128	16.49	4,253
2015	335,328.94	47,678	55,908	306,247	16.49	18,572
	14,213,740.74	9,874,316	11,578,763	3,772,077		236,021
INTER: PROBA	UNIT 3 IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2037				
1976	639,635.42	478,694	560,026	130,780	17.91	7,302
1981	25,047,721.92	17,875,116	20,912,172	6,139,368	18.43	333,118
1982	687 , 842.97	485 , 666	568,183	174 , 688	18.52	9,432
1984	95,821.00	66,138	77,375	26,112	18.68	1,398
1987	68,793.51	45 , 728	53 , 497	20,800	18.88	1,102
1988	18,279.36	11,984	14,020	5,722	18.94	302
2000	4,283,840.81	2,195,158	2,568,124	2,058,424	19.35	106,379
2007	51,757.15	19,591	22,920	32 , 978	19.44	1,696
2012	72 , 766.46	17 , 310	20,251	58 , 337	19.47	2,996
2013	10,609.78	2,146	2,511	8,948	19.48	459
2014	2,536,658.89	417,267	488,162	2,251,429	19.48	115,576
2015	32,239.52	3 , 960	4,633	30,186	19.48	1,550
2016	18,243.03	1,408	1,647	18,055	19.49	926
	33,564,209.82	21,620,166	25,293,521	10,955,826		582,236

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
		(3)	(4)	(3)	(0)	(/)
	UNIT 4		4			
	IM SURVIVOR CURV BLE RETIREMENT Y					
	ALVAGE PERCENT					
111 51	THATTON LINCONT	O				
1984	21,499,657.05	14,590,054	13,868,375	9,351,255	19.56	478,081
1985	48,287.00	32,362	30,761	21,389	19.64	1,089
1988	20,564.21	13,231	12,577	9,633	19.85	485
1991	5,683.09	3,487	3,315	2,823	20.02	141
1993	155,202.00	91 , 853	87 , 310	80,309	20.11	3 , 993
1994	24,278.82	14,089	13,392	12,829	20.15	637
2000	2,476,120.09	1,235,565	1,174,449	1,499,760	20.33	73 , 771
2003	42,697.44	19 , 155	18,208	27 , 906	20.38	1,369
2011	27 , 699.80	7,213	6,856	23,060	20.46	1,127
2013	13,232.05	2,575	2,448	11,843	20.47	579
2014	23,100,966.21	3,632,581	3,452,900	21,496,144	20.48	1,049,616
2015	212,920.54	25,017	23,780	206,175	20.48	10,067
2016	230,240.27	16,969	16,130	232,530	20.48	11,354
2017	4,327,248.64	111,321	105,815	4,567,614	20.49	222,919
	52,184,797.21	19,795,472	18,816,313	37,543,268		1,855,228
CHENT	UNIT 2 SCRUBBER					
	IM SURVIVOR CURV		4			
	BLE RETIREMENT Y					
	ALVAGE PERCENT					
2011	5,833.85	1,782	1,863	4,438	16.48	269
2012	890,617.40	240,688	251,596	710,271	16.48	43,099
2013	54,747.62	12,676	13,250	45 , 877	16.49	2,782
	951,198.87	255,146	266,709	760,586		46,150
	JJI, 1 JO. 0 /	200,140	200, 100	,00,000		40,130

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

YEAR (1)		ACCRUED	ALLOC. BOOK RESERVE (4)			ANNUAL ACCRUAL (7)
INTER PROBA	3 SCRUBBER IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2037				
	11,277,366.96 764,631.32		4,228,585 204,510	7,950,972 621,292		
	12,041,998.28	4,475,141	4,433,095	8,572,263		440,911
INTER PROBA	4 SCRUBBER IM SURVIVOR CURV BLE RETIREMENT Y ALVAGE PERCENT	EAR 6-2038				
	5,833.83 15,142,207.72					233 628,958
	15,148,041.55	3,459,975	3,480,348	12,879,537		629,191
	251,197,011.00	98,919,219	109,033,668	163,580,901		7,533,370
	COMPOSITE REMAIN	IING LIFE AND	ANNUAL ACCRUAL	RATE, PERCENT	21.7	3.00

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
INTERIN PROBABI	E COUNTY UNIT 2 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 6-2066				
2000 2002 2011 2012 2013 2014 2015 2016 2017	41,467.41 26,900.64 4,522,589.85 203,432.33 838,229.79 831,413.70 130,793.56 125,813.18 282,062.33	12,325 7,289 594,354 23,020 79,101 62,138 7,125 4,188 3,210	15,767 9,325 760,346 29,449 101,192 79,492 9,115 5,358 4,106	31,091 21,073 4,350,181 200,429 846,007 860,006 138,682 136,811 314,624	41.89 42.23 43.54 43.67 43.79 43.91 44.03 44.14 44.25	742 499 99,912 4,590 19,320 19,586 3,150 3,099 7,110
INTERIN PROBABI	LABORATORY M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 6-2040				
1983 1984	229.68 10,283.72	136 6,021	126 5 , 597	103 4,686	20.68	5 226
1986	48,397.00	27,624	25,680	22,717	20.73	1,091
1987	100,806.00	56,754	52 , 760	48,046	20.88	2,301
1989	3,576.00	1,955	1,817	1,759	20.97	84
1990	22,201.79	11,945	11,104	11,098	21.01	528
1991	72,843.39	38,540	35 , 827	37,016	21.05	1,758
1994	4,476.87	2,237	2,080	2,397	21.17	113
1995	3,198.74	1,565	1,455	1,744	21.20	82
1996	5,552.69	2,654	2,467	3,085	21.24	145
1997	47,150.16	21,996	20,448	26,702	21.27	1,255
1998	67,015.37	30,435	28,293	38,722	21.31	1,817
1999	62 , 975.53	27 , 795	25 , 839	37 , 137	21.34	1,740
2000	730.00	312	290	440	21.37	21
2002	276,203.04	110,296	102,533	173 , 670	21.42	8,108

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL RELATED TO ORIGINAL COST AS OF DECEMBER 31, 2017

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
	LABORATORY	7 TOMA 75 D	.1 F			
	M SURVIVOR CURVI					
	LE RETIREMENT Y					
NET SAI	LVAGE PERCENT	U				
2003	632,334.03	242,576	225,503	406,831	21.45	18,966
2004	199,225.39	73 , 140	67 , 992	131,233	21.48	6,110
2005	131,911.92	46,111	42,866	89,046	21.51	4,140
2006	31,404.52	10,400	9,668	21,736	21.53	1,010
2007	89,149.53	27 , 761	25 , 807	63 , 342	21.56	2,938
2009	226,404.22	60 , 855	56 , 572	169,832	21.60	7,863
2010	90,044.40	22 , 039	20,488	69 , 557	21.63	3,216
2011	250,794.23	55 , 059	51,184	199,610	21.65	9,220
2012	175,216.25	33 , 750	31,375	143,842	21.67	6 , 638
2013	161,221.62	26 , 363	24,508	136,714	21.69	6,303
2014	325,883.54	43,000	39 , 974	285 , 910	21.71	13,170
2015	38,318.47	3 , 768	3 , 503	34,816	21.73	1,602
2016	152,643.59	9 , 356	8 , 697	143,946	21.75	6,618
2017	458,721.29	9,895	9,199	449,523	21.77	20,649
	3,688,912.98	1,004,338	933,650	2,755,263		127,717

BROWN UNIT 1 INTERIM SURVIVOR CURVE.. IOWA 75-R1.5 PROBABLE RETIREMENT YEAR.. 2-2019 NET SALVAGE PERCENT.. -6

1954	7,308.72	7 , 587	7,747
1955	921.00	956	976
1956	96,637.48	100,262	102,436
1971	671.82	693	712
1988	1,387.17	1,412	1,470
1990	18,405.00	18,685	19,509
1992	7,705.00	7 , 797	8,167
1994	9,227.37	9,304	9,781
1995	1,940.96	1 , 953	2,057
1996	2,858.88	2,870	3,030

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBABL	NIT 1 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 2-2019				
2001 2003 2005 2007	64,870.51 118,172.07 13,393.06 497.91	64,136 115,790 12,969 474	68,763 125,262 14,197 528			
2011 2014	8,037.82 37,649.44	7,218 29,931	8,073 33,475	447 6,433		385 5 , 546
	389,684.21	382,037	406,185	6,880		5,931
PROBABL	NIT 2 SURVIVOR CURV E RETIREMENT Y VAGE PERCENT	EAR 2-2019				
1963 1965 1968 1969 1970 1995 1996 1998 2000 2007	59,546.28 541.89 520.36 4,400.82 555.08 3,998.73 2,858.69 5,685.52 3,709.49 21,010.50	61,648 561 538 4,545 573 4,024 2,870 5,678 3,681 20,023	63,119 574 552 4,665 588 4,239 3,030 6,027 3,932 22,271	80	1 16	69
2012	20,279.74 123,107.10	17,724 121,865	21,417 130,414	80	1.16	69
	•	·	•			

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
BROWN U						
	SURVIVOR CURV	E IOWA 75-R	1.5			
	E RETIREMENT Y					
	VAGE PERCENT					
1000	FF F06 77	40 450	46 275	10 547	1 5 0 0	700
1969 1970	55,586.77 2,634.00	42,450 2,000	46,375 2,185	12 , 547 607	15.89 15.94	790 38
1970	373,932.83	282,274	308,376	87 , 993	15.94	5 , 503
1971	6,479.06				16.03	5,303 97
1972	960.00	4,862 716	5,312 782	1,556	16.03	15
1973	3,179.00	2,355	2 , 573	235 797	16.12	49
1974	2,020.00	1,476	1,612	529	16.12	33
1976	39,153.91	28,403	31,029	10,474	16.24	645
1977	1,537.00			421	16.24	26
1976	769.95	1,106 545	1,208 595	221		14
		5 , 123	5 , 597		16.35	130
1981 1982	7,296.00 1.31	5,125 1	3,397 1	2,137	16.38	130
	52,115.16	35,916	39 , 237	16 005	16 15	072
1983 1984	7,364.85	5,026		16,005	16.45 16.48	973 141
1985			5,491	2,316	16.40	289
	14,815.00	10,003	10,928	4,776	16.51	
1986	146,238.43	97 , 689	106,722	48,290		2,921
1987 1988	219,381.67 129,942.03	144,843 84,745	158,237	74,308 45,157	16.56 16.59	4,487
1989	210,175.64	135,345	92,581 147,860	•		2,722
				74 , 926	16.61	4,511
1990 1991	326,556.15	207,389	226,566	119,583	16.64	7,186
1991	378 , 859.70	237,164	259,095	142,497	16.66	8,553
	143,407.00	88,416	96 , 592	55,420	16.68	3,323
1993	213,117.96	129,213	141,161	84,744	16.71	5,071
1994	243,236.46	144,911	158,311	99,520	16.73	5,949
1995	378,604.30	221,392	241,864	159,456	16.75	9,520
1996	132,026.00	75,665	82,662	57,286	16.77	3,416
1997	113,295.86	63,549	69,425	50,668	16.79	3,018
1998	16,759.09	9,183	10,032	7,732	16.81	460
1999	78,147.46	41,784	45,648	37,189	16.82	2,211
2000	12,638.00	6 , 575	7,183	6,213	16.84	369
2001	61,005.75	30,796	33,644	31,022	16.86	1,840
2003	211,552.31	99 , 780	109,007	115,239	16.89	6,823

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
BROWN U						
	I SURVIVOR CURVI					
	LE RETIREMENT Y					
NET SAI	LVAGE PERCENT	-6				
2004	87,825.06	39,804	43,485	49,610	16.91	2,934
2005	126,190.46	54,738	59,800	73,962	16.92	4,371
2006	93,259.29	38,487	42,046	56 , 809	16.94	3,354
2007	109,967.17	42 , 952	46,924	69,641	16.95	4,109
2008	76,267.72	27 , 936	30,519	50 , 325	16.97	2,966
2009	25,225.68	8 , 585	9,379	17 , 360	16.98	1,022
2010	510,629.45	159 , 685	174 , 451	366,816	16.99	21,590
2011	184,777.66	52 , 072	56 , 887	138 , 977	17.01	8,170
2012	256,120.18	63 , 816	69 , 717	201 , 770	17.02	11,855
2013	319,773.21	68 , 205	74 , 512	264,448	17.03	15,528
2014	312,463.22	54 , 282	59 , 301	271,910	17.04	15 , 957
2015	417,186.02	54,340	59 , 365	382,852	17.06	22,442
2016	191,888.31	15,723	17,177	186,225	17.07	10,909
2017	189,493.25	5,490	5,998	194,865	17.08	11,409
	6,483,855.33	2,926,810	3,197,454	3,675,433		217 , 739
a	1 000					
	JNIT 1 SCRUBBER	D TOMA 7E D	1 6			
	1 SURVIVOR CURVI					
	LE RETIREMENT Y					
NEI SAI	LVAGE PERCENT	-0				
1997	911,941.17	535,754	875 , 267	109,629	15.87	6,908
2000	2,454.00	1,340	2,189	461	15.92	29
2011	47,617.08	14,307	23,374	28,053	16.06	1,747
	962,012.25	551,401	900,830	138,143		8,684

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	UNIT 1 M SURVIVOR CURV LE RETIREMENT Y LVAGE PERCENT	EAR 6-2034				
1974	1,024,130.37	786 , 277	1,059,220	46,840	15.28	3,065
1975	72,980.65	55,669	74,994	3,826	15.32	250
1976	12,253.24	9,285	12,508	725	15.35	47
1978	6,426.72	4,801	6,468	473	15.42	31
1983	4,043.88	2,897	3,903	465	15.57	30
1988	74,936.00	50,907	68,579	12,352	15.70	787
1989	2,178.22	1,462	1,970	383	15.72	24
1990	137,000.67	90 , 725	122,219	25,742	15.74	1,635
1994	52,592.00	32,748	44,116	12,683	15.82	802
1995	11,112.00	6,794	9,152	2,849	15.84	180
1996	153,652.05	92 , 185	124,186	41,759	15.85	2,635
1997	18,479.01	10,856	14,624	5 , 333	15.87	336
1998	2,709.00	1,556	2,096	830	15.89	52
1999	79,194.16	44,407	59 , 822	25 , 708	15.90	1,617
2000	2,880.81	1,573	2,119	992	15.92	62
2004	42,569.91	20,323	27 , 378	18,598	15.98	1,164
2006	30,770.07	13,421	18,080	15,152	16.00	947
2007	7,433.84	3,068	4,133	3 , 896	16.02	243
2013	68,502.65	15 , 573	20 , 979	53 , 004	16.09	3,294
2015	42,125.60	5 , 878	7,918	37 , 577	16.11	2,333
	1,845,970.85	1,250,405	1,684,463	309,186		19,534
GHENT	UNIT 2					
INTERI	M SURVIVOR CURV	E IOWA 75-R	1.5			
	LE RETIREMENT Y LVAGE PERCENT					
1976	97,461.37	73,854	97,113	8,145	15.35	531
1977	661,648.39	497,798	654,571	60,010	15.39	3,899
1978	591,177.00	441,605	580,681	57,790	15.42	3,748
1985	6,645.13	4,669	6,139	1,037	15.62	66

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	UNIT 2 M SURVIVOR CURVE LE RETIREMENT YE LVAGE PERCENT	EAR 6-2034				
1989 1990 1991 1992 2006 2007 2013 2014 2017	51,128.40 7,692.02 6,857.97 50,988.28 15,073.78 7,433.84 17,365.58 9,654.84 30,383.39	34,307 5,094 4,479 32,809 6,575 3,068 3,948 1,796 948	45,111 6,698 5,890 43,142 8,646 4,034 5,191 2,362 1,247	10,107 1,609 1,517 11,926 7,634 3,994 13,563 8,066 31,568	15.72 15.74 15.76 15.78 16.00 16.02 16.09 16.10	643 102 96 756 477 249 843 501 1,957
PROBAB		E IOWA 75-R EAR 6-2037	1.5	210,301		13,000
1981 1982 1983 1984 1987 1988 1993 1994 2004 2007 2013 2014 2016	2,113,307.83 219,540.39 7,536.34 599,875.00 14,126.58 8,279.00 31,841.79 1,429.72 70,857.65 56,110.00 8,682.80 824,923.38 70,989.53	1,456,770 149,857 5,092 400,951 9,115 5,271 18,754 826 30,699 20,799 1,724 133,335 5,380	1,776,456 182,743 6,209 488,939 11,115 6,428 22,870 1,007 37,436 25,363 2,102 162,595 6,561	505,916 54,361 1,930 158,926 4,141 2,514 11,520 537 39,090 35,235 7,275 728,322 70,108	18.09 18.13 18.17 18.21 18.31 18.35 18.50 18.53 18.75 18.81 18.91 18.92 18.95	27,967 2,998 106 8,727 226 137 623 29 2,085 1,873 385 38,495 3,700
	4,027,500.01	2,238,573	2,729,825	1,619,875		87,351

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

YEAR (1)	ORIGINAL COST (2)	CALCULATED ACCRUED (3)	ALLOC. BOOK RESERVE (4)	FUTURE BOOK ACCRUALS (5)	REM. LIFE (6)	ANNUAL ACCRUAL (7)
PROBAB	UNIT 4 M SURVIVOR CURVI LE RETIREMENT YI LVAGE PERCENT	EAR 6-2038				
1984	1,551,008.56	1,017,198	995,081	680,008	19.06	35 , 677
1985	75,061.39	48,660	47,602	33,464	19.10	1,752
1986	68,833.86	44,079	43,121	31,220	19.14	1,631
1987	194,430.24	122,923	120,250	89,734	19.18	4,679
1988	240,695.56	150 , 096	146,832	113,119	19.22	5 , 885
1989	281,911.30	173,347	169,578	134,886	19.25	7,007
1990	241,531.51	146,258	143,078	117,776	19.29	6,106
1991	236,117.05	140,751	137,691	117,316	19.32	6 , 072
1992	186,806.00	109,504	107,123	94,627	19.35	4,890
1993	119,556.00	68 , 837	67,340	61,780	19.38	3,188
1994	89,879.11	50 , 765	49,661	47,408	19.41	2,442
1995	403,518.00	223,312	218,456	217,343	19.44	11,180
1996	153,670.60	83,195	81,386	84 , 578	19.47	4,344
1997	261,371.59	138,185	135,180	147,101	19.50	7,544
1998	36,015.00	18 , 574	18,170	20,726	19.52	1,062
1999	626,250.00	314 , 185	307,354	368 , 996	19.55	18,874
2000	69,931.00	34,078	33 , 337	42,188	19.57	2,156
2003	274,884.03	120,564	117,943	178 , 932	19.64	9,111
2004	259,074.19	108,825	106,459	173 , 341	19.67	8,812
2005	117,203.33	46 , 977	45 , 956	80,624	19.69	4,095
2006	15 , 073.78	5 , 735	5 , 610	10,669	19.71	541
2007	167,940.61	60,233	58 , 923	122,453	19.73	6,206
2008	38,302.23	12,841	12,562	28,805	19.75	1,458
2009	38,451.83	11,931	11,672	29 , 856	19.77	1,510
2010	820 , 549.05	232 , 776	227,715	658 , 478	19.79	33,273
2011	521,855.44	133,022	130,130	433,474	19.81	21,882
2012	694,925.41	155,748	152,362	598,158	19.82	30,180
2013	65,548.30	12,513	12,241	58,551	19.84	2,951
2014	109,379.77	16,876	16,509	101,621	19.86	5,117

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

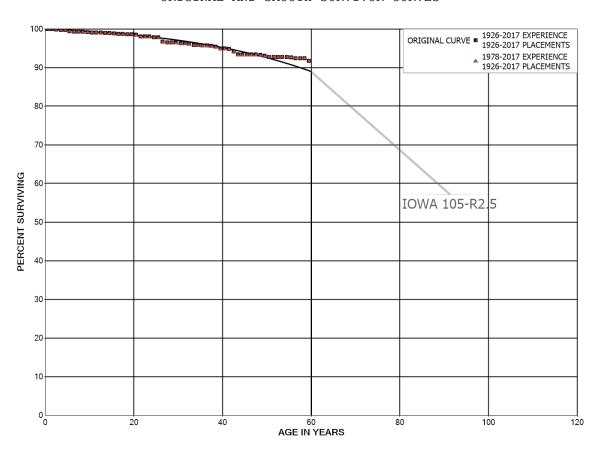
	ORIGINAL	CALCULATED	ALLOC. BOOK	FUTURE BOOK	REM.	ANNUAL
YEAR	COST	ACCRUED	RESERVE	ACCRUALS	LIFE	ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)
INTER PROBA	UNIT 4 RIM SURVIVOR CURV BLE RETIREMENT Y BALVAGE PERCENT	EAR 6-2038				
2015	803,237.38	92 , 796	90 , 778	776,718	19.87	39,090
2016	381,116.80	27 , 606	27 , 006	384,600	19.89	19,336
2017	854,931.81	21,292	20,829	902,497	19.91	45,329
	9,999,060.73	3,943,682	3,857,934	6,941,052		353,380
	36,076,316.24	14,322,811	16,315,729	22,561,783		992,281
	COMPOSITE REMAIN	ING LIFE AND	ANNUAL ACCRUAI	L RATE, PERCENT	r 22.7	2.75

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KENTUCKY UTILITIES COMPANY ACCOUNT 311 STRUCTURES AND IMPROVEMENTS ORIGINAL AND SMOOTH SURVIVOR CURVES



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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT 1	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	358,518,587 351,924,916 328,708,696 315,469,873 295,009,739 246,487,512 243,542,184 183,713,875 181,393,884 180,443,088	5,735 542,452 186,540 50,433 892,904 151,374 21,095 167,151 170,873	0.0000 0.00017 0.0006 0.0002 0.0036 0.0006 0.0001 0.0009	1.0000 1.0000 0.9983 0.9994 0.9998 0.9964 0.9994 0.9999 0.9991	100.00 100.00 100.00 99.83 99.77 99.76 99.40 99.33 99.32 99.23
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	179,882,605 162,876,515 162,624,174 145,848,932 142,441,493 142,016,095 157,096,352 155,914,569 155,523,308 155,346,066	39,157 27,824 27,779 154,244 120,680 118,767 64,102 78,589 109,268 62,571	0.0002 0.0002 0.0002 0.0011 0.0008 0.0008 0.0004 0.0005 0.0007 0.0004	0.9998 0.9998 0.9998 0.9989 0.9992 0.9992 0.9996 0.9995 0.9993	99.14 99.12 99.10 99.08 98.98 98.89 98.81 98.77 98.72 98.65
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	154,987,568 143,402,327 187,437,754 186,832,000 170,218,360 169,366,818 168,105,725 161,493,737 120,744,487 119,429,170	206,911 580,656 106,129 15,619 232,862 175,871 1,787,256 306,243 17,931 61,674	0.0013 0.0040 0.0006 0.0001 0.0014 0.0010 0.0106 0.0019 0.0001	0.9987 0.9960 0.9994 0.9999 0.9986 0.9990 0.9894 0.9981 0.9999	98.61 98.48 98.08 98.03 98.02 97.88 97.78 96.74 96.56 96.54

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PLACEMENT :	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5	118,796,303 115,686,197 112,904,819 111,638,165 95,247,801 95,146,045 93,353,668 58,530,613 58,057,903	298,696 3,716 114,710 307,859 87,047 41,008 77,282 44,328 111,949	0.0025 0.0000 0.0010 0.0028 0.0009 0.0004 0.0008 0.0008	0.9975 1.0000 0.9990 0.9972 0.9991 0.9996 0.9992 0.9992	96.49 96.25 96.25 96.15 95.89 95.80 95.76 95.68 95.60
38.5 39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5	57,138,911 56,794,416 40,448,823 40,385,319 39,696,986 24,909,022 24,883,859 24,815,328 17,322,875 17,304,689	262,133 63,504 270,668 344,462 5,000 2,942 17,705	0.0046 0.0000 0.0016 0.0067 0.0087 0.0000 0.0000 0.0002 0.0002 0.0010	0.9954 1.0000 0.9984 0.9933 0.9913 1.0000 1.0000 0.9998 0.9998 0.9990	95.42 94.98 94.98 94.83 94.20 93.38 93.38 93.38 93.36 93.35
48.5 49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	17,283,856 17,231,852 17,167,131 16,395,544 16,375,513 16,373,692 13,953,787 13,906,348 13,642,481 13,620,945 11,482,732	35,694 60,621 1,141 9,523 13,326 30,823 829 1,385 82,243	0.0021 0.0035 0.0000 0.0001 0.0000 0.0010 0.0022 0.0001 0.0001 0.0072	0.9979 0.9965 1.0000 0.9999 1.0000 0.9994 0.9990 0.9978 0.9999 0.9999	93.25 93.06 92.73 92.72 92.72 92.67 92.58 92.38 92.37 92.36

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PLACEMENT BAND 1926-2017				RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	11,376,042 9,789,416 7,235,866 7,182,368 5,617,756 5,297,850 4,606,841 3,367,891 2,386,014 2,370,273	943	0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0050 0.0000	0.9999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9950 1.0000	91.70 91.69 91.69 91.69 91.69 91.69 91.69 91.69 91.23
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5	2,065,836 1,041,808 1,041,808 1,041,808 1,041,808 1,041,808		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	91.23 91.23 91.23 91.23 91.23 91.23 91.23

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

ORIGINAL LIFE TABLE

PLACEMENT 1	BAND 1926-2017		EXPE	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	299,600,037 310,488,444 287,321,240 274,726,156 269,204,050 220,709,661 218,028,572 165,915,832 163,705,191 162,787,096	5,735 542,452 186,540 50,433 867,876 142,045 21,095 167,151 170,873	0.0000 0.0000 0.0019 0.0007 0.0002 0.0039 0.0007 0.0001 0.0010	1.0000 1.0000 0.9981 0.9993 0.9998 0.9961 0.9993 0.9999 0.9990	100.00 100.00 100.00 99.81 99.74 99.72 99.33 99.27 99.25 99.15
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	162,229,923 145,245,245 145,014,156 128,259,088 124,903,848 125,758,862 140,839,120 139,677,521 139,344,819 141,554,132	35,941 18,151 27,779 135,057 120,680 118,767 64,102 77,268 107,012 62,571	0.0002 0.0001 0.0002 0.0011 0.0010 0.0009 0.0005 0.0006 0.0008	0.9998 0.9999 0.9998 0.9989 0.9991 0.9995 0.9994 0.9992 0.9996	99.05 99.03 99.01 98.99 98.89 98.79 98.70 98.66 98.60 98.53
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	141,276,145 129,690,904 176,232,830 175,667,733 160,832,895 161,850,851 160,642,956 154,905,635 116,958,729 115,682,950	206,911 579,229 106,129 15,619 232,862 122,952 1,737,271 306,243 17,931 61,174	0.0015 0.0045 0.0006 0.0001 0.0014 0.0008 0.0108 0.0108 0.0020 0.0002	0.9985 0.9955 0.9994 0.9999 0.9986 0.9992 0.9892 0.9980 0.9998	98.48 98.34 97.90 97.84 97.69 97.62 96.56 96.37 96.35

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ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

PLACEMENT I	BAND 1926-2017		EXPER	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	115,412,545 114,519,665 111,738,287 110,471,633 94,081,269 93,979,513 92,187,136 57,364,081 56,891,371	298,696 3,716 114,710 307,859 87,047 41,008 77,282 44,328 111,949	0.0026 0.0000 0.0010 0.0028 0.0009 0.0004 0.0008 0.0008	0.9974 1.0000 0.9990 0.9972 0.9991 0.9996 0.9992 0.9992 0.9980	96.30 96.05 96.05 95.95 95.69 95.60 95.56 95.47 95.40
38.5 39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	55,995,116 55,650,621 39,305,028 39,271,313 38,582,980 23,795,016 23,769,853 23,701,322 16,213,869 16,195,683 16,174,850	262,133 33,715 270,668 344,462 2,942 17,705 35,694	0.0047 0.0000 0.0009 0.0069 0.0089 0.0000 0.0000 0.0000 0.0002 0.0011 0.0022	0.9953 1.0000 0.9991 0.9931 0.9911 1.0000 1.0000 1.0000 0.9998 0.9989 0.9978	95.21 94.77 94.77 94.69 94.03 93.19 93.19 93.19 93.19 93.18 93.08
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	16,122,846 16,100,323 16,395,544 16,375,513 16,373,692 13,953,787 13,906,348 13,642,481 13,620,945 11,482,732	18,423 1,141 9,523 13,326 30,823 829 1,385 82,243	0.0011 0.0000 0.0001 0.0000 0.0006 0.0010 0.0022 0.0001 0.0001	0.9989 1.0000 0.9999 1.0000 0.9994 0.9990 0.9978 0.9999 0.9999	92.87 92.76 92.76 92.76 92.76 92.70 92.62 92.41 92.40 92.39

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

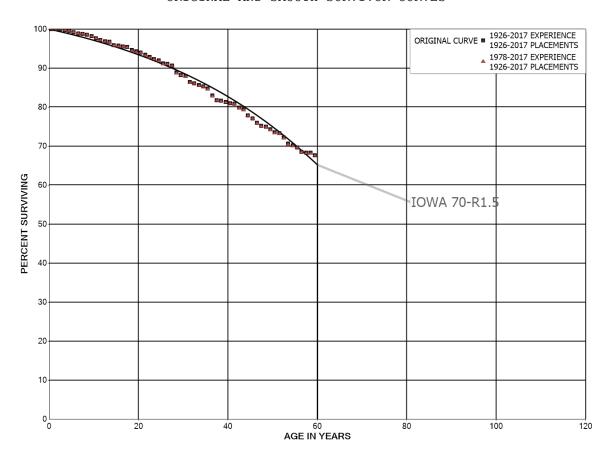
PLACEMENT	BAND 1926-2017		EXPER	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5	11,376,042 9,789,416 7,235,866 7,182,368 5,617,756 5,297,850 4,606,841 3,367,891 2,386,014 2,370,273	943	0.0001 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0050 0.0000	0.9999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 0.9950 1.0000	91.73 91.73 91.73 91.73 91.73 91.73 91.73 91.73 91.73
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5	2,065,836 1,041,808 1,041,808 1,041,808 1,041,808 1,041,808 1,041,808		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	91.26 91.26 91.26 91.26 91.26 91.26 91.26

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KENTUCKY UTILITIES COMPANY
ACCOUNT 312 BOILER PLANT EQUIPMENT
ORIGINAL AND SMOOTH SURVIVOR CURVES



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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT	BAND 1926-2017		EXPE	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	4,159,160,426 4,102,565,263 3,983,390,994 3,576,555,643 2,920,023,261 2,542,611,810 1,898,389,862 1,320,175,658 1,255,324,757 1,224,744,277	628,572 73,861 2,670,287 8,372,094 5,297,148 8,847,635 5,321,171 1,613,167 2,600,881 4,930,048	0.0002 0.0000 0.0007 0.0023 0.0018 0.0035 0.0028 0.0012 0.0021 0.0040	0.9998 1.0000 0.9993 0.9977 0.9982 0.9965 0.9972 0.9988 0.9979 0.9960	100.00 99.98 99.98 99.92 99.68 99.50 99.16 98.88 98.76 98.55
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	1,193,168,148 1,060,904,142 1,036,359,392 952,096,033 750,877,056 735,574,350 775,689,957 766,312,885 764,470,085 751,319,521	6,014,361 5,829,846 3,358,366 1,082,835 6,642,177 1,152,589 1,433,490 1,048,295 6,401,936 2,630,376	0.0050 0.0055 0.0032 0.0011 0.0088 0.0016 0.0018 0.0014 0.0084 0.0035	0.9950 0.9945 0.9968 0.9989 0.9912 0.9984 0.9986 0.9916 0.9965	98.16 97.66 97.12 96.81 96.70 95.84 95.69 95.52 95.39 94.59
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	746,195,650 704,753,222 737,940,907 721,374,095 629,563,724 607,766,242 589,984,333 581,255,942 530,070,177 517,310,244	2,501,448 4,309,440 4,218,001 3,867,817 2,903,728 4,688,331 940,249 2,874,827 10,521,562 3,369,517	0.0034 0.0061 0.0057 0.0054 0.0046 0.0077 0.0016 0.0049 0.0198 0.0065	0.9966 0.9939 0.9943 0.9946 0.9954 0.9923 0.9984 0.9951 0.9802 0.9935	94.26 93.94 93.37 92.83 92.33 91.91 91.20 91.05 90.60 88.80

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT 1	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	508,837,169 503,872,687 493,560,467 491,681,469 354,672,584 353,090,051 343,993,127 206,709,645 202,021,484 193,547,312	1,852,641 8,746,216 1,591,460 2,973,812 1,008,415 2,616,046 7,279,466 2,826,368 357,029 705,265	0.0036 0.0174 0.0032 0.0060 0.0028 0.0074 0.0212 0.0137 0.0018 0.0036	0.9964 0.9826 0.9968 0.9940 0.9972 0.9926 0.9788 0.9863 0.9982 0.9964	88.23 87.91 86.38 86.10 85.58 85.34 84.70 82.91 81.78
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	190,357,746 127,569,712 115,979,194 109,909,164 59,060,708 56,152,378 55,189,645 30,839,865 30,506,677 30,409,129	805,630 185,770 1,510,705 654,781 1,095,896 549,870 815,815 318,881 83,359 293,407	0.0042 0.0015 0.0130 0.0060 0.0186 0.0098 0.0148 0.0103 0.0027 0.0096	0.9958 0.9985 0.9870 0.9940 0.9814 0.9902 0.9852 0.9897 0.9973 0.9904	81.34 80.99 80.87 79.82 79.35 77.87 77.11 75.97 75.19 74.98
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	30,112,180 29,790,936 27,790,332 27,328,258 26,654,042 18,013,474 17,879,094 13,793,187 13,710,633 13,686,544	310,091 87,355 432,169 590,281 152,249 132,553 288,131 49,273 11,088 123,614	0.0103 0.0029 0.0156 0.0216 0.0057 0.0074 0.0161 0.0036 0.0008 0.0090	0.9897 0.9971 0.9844 0.9784 0.9943 0.9926 0.9839 0.9964 0.9992 0.9910	74.26 73.49 73.28 72.14 70.58 70.18 69.66 68.54 68.29 68.24

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT BAND 1926-2017				RIENCE BAN	D 1926-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
59.5	11,898,476		0.0000	1.0000	67.62
60.5	7,471,926	46,504	0.0062	0.9938	67.62
61.5	565 , 974	18,726	0.0331	0.9669	67.20
62.5	546,419		0.0000	1.0000	64.98
63.5	546,419	56,616	0.1036	0.8964	64.98
64.5	489,803		0.0000	1.0000	58.24
65.5	407,486	235,381	0.5776	0.4224	58.24
66.5	166,261		0.0000	1.0000	24.60
67.5	127,433		0.0000	1.0000	24.60
68.5	127,433		0.0000	1.0000	24.60
69.5	127,433		0.0000	1.0000	24.60
70.5	127,433		0.0000	1.0000	24.60
71.5	127,433		0.0000	1.0000	24.60
72.5	127,433		0.0000	1.0000	24.60
73.5	127,433		0.0000	1.0000	24.60
74.5	127,433		0.0000	1.0000	24.60
75.5	127,433		0.0000	1.0000	24.60
76.5					24.60

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT I	BAND 1926-2017		EXPE	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	3,918,084,638 3,937,027,303 3,826,869,212 3,432,350,876 2,843,684,961 2,469,845,390 1,827,605,232 1,282,694,112 1,218,086,501 1,187,527,918	563,333 63,679 2,670,287 8,261,305 5,289,712 8,821,493 5,321,171 1,602,217 2,600,881 4,885,279	0.0001 0.0000 0.0007 0.0024 0.0019 0.0036 0.0029 0.0012 0.0021	0.9999 1.0000 0.9993 0.9976 0.9981 0.9964 0.9971 0.9988 0.9979	100.00 99.99 99.98 99.91 99.67 99.49 99.13 98.84 98.72 98.51
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	1,156,009,559 1,023,765,869 999,317,632 915,139,091 714,047,233 705,833,450 745,962,604 736,631,719 734,816,007 727,251,508	6,008,235 5,778,138 3,323,366 1,064,979 6,623,097 1,139,041 1,387,304 1,030,251 6,235,301 2,615,262	0.0052 0.0056 0.0033 0.0012 0.0093 0.0016 0.0019 0.0014 0.0085 0.0036	0.9948 0.9944 0.9967 0.9988 0.9907 0.9984 0.9981 0.9986 0.9915 0.9964	98.10 97.59 97.04 96.72 96.61 95.71 95.56 95.38 95.25 94.44
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	722,452,318 681,944,735 720,039,405 703,511,416 615,474,137 597,282,266 579,555,624 573,171,153 525,929,611 513,232,121	2,435,670 4,262,079 4,188,824 3,838,884 2,903,728 4,663,795 578,270 2,865,527 10,515,735 3,369,517	0.0034 0.0062 0.0058 0.0055 0.0047 0.0078 0.0010 0.0050 0.0200 0.0066	0.9966 0.9938 0.9942 0.9945 0.9953 0.9922 0.9990 0.9950 0.9800 0.9934	94.10 93.78 93.20 92.65 92.15 91.71 91.00 90.91 90.45 88.64

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT I	BAND 1926-2017		EXPER	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	506,376,596 502,669,808 492,378,004 490,499,492 353,490,607 351,908,074 342,811,150 205,527,668 200,839,507 193,419,879	1,852,029 8,725,800 1,591,460 2,973,812 1,008,415 2,616,046 7,279,466 2,826,368 357,029 705,265	0.0037 0.0174 0.0032 0.0061 0.0029 0.0074 0.0212 0.0138 0.0018	0.9963 0.9826 0.9968 0.9939 0.9971 0.9926 0.9788 0.9862 0.9982 0.9964	88.06 87.74 86.22 85.94 85.42 85.17 84.54 82.74 81.61 81.46
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	190,230,313 127,442,279 115,851,761 109,781,731 58,933,275 56,024,945 55,062,212 30,712,432 30,379,244 30,281,696	805,630 185,770 1,510,705 654,781 1,095,896 549,870 815,815 318,881 83,359 293,407	0.0042 0.0015 0.0130 0.0060 0.0186 0.0098 0.0148 0.0104 0.0027 0.0097	0.9958 0.9985 0.9870 0.9940 0.9814 0.9902 0.9852 0.9896 0.9973 0.9903	81.16 80.82 80.70 79.65 79.18 77.70 76.94 75.80 75.01 74.81
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	29,984,747 29,663,503 27,790,332 27,328,258 26,654,042 18,013,474 17,879,094 13,793,187 13,710,633 13,686,544	310,091 87,355 432,169 590,281 152,249 132,553 288,131 49,273 11,088 123,614	0.0103 0.0029 0.0156 0.0216 0.0057 0.0074 0.0161 0.0036 0.0008 0.0090	0.9897 0.9971 0.9844 0.9784 0.9943 0.9926 0.9839 0.9964 0.9992 0.9910	74.08 73.32 73.10 71.96 70.41 70.01 69.49 68.37 68.13 68.07

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

PLACEMENT BAND 1926-2017				RIENCE BAN	D 1978-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
59.5	11,898,476		0.0000	1.0000	67.46
60.5	7,471,926	46,504	0.0062	0.9938	67.46
61.5	565 , 974	18,726	0.0331	0.9669	67.04
62.5	546 , 419		0.0000	1.0000	64.82
63.5	546 , 419	56,616	0.1036	0.8964	64.82
64.5	489,803		0.0000	1.0000	58.10
65.5	407,486	235,381	0.5776	0.4224	58.10
66.5	166,261		0.0000	1.0000	24.54
67.5	127,433		0.0000	1.0000	24.54
68.5	127,433		0.0000	1.0000	24.54
69.5	127,433		0.0000	1.0000	24.54
70.5	127,433		0.0000	1.0000	24.54
71.5	127,433		0.0000	1.0000	24.54
72.5	127,433		0.0000	1.0000	24.54
73.5	127,433		0.0000	1.0000	24.54
74.5	127,433		0.0000	1.0000	24.54
75.5	127,433		0.0000	1.0000	24.54
76.5					24.54

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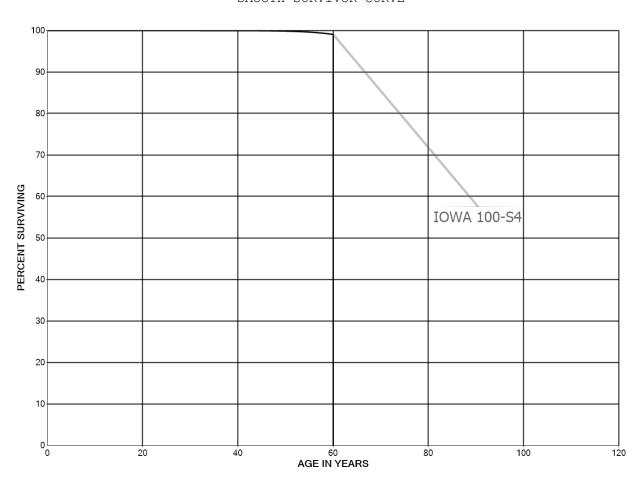
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KENTUCKY UTILITIES COMPANY

ACCOUNT 312.1 BOILER PLANT EQUIPMENT - ASH PONDS

SMOOTH SURVIVOR CURVE

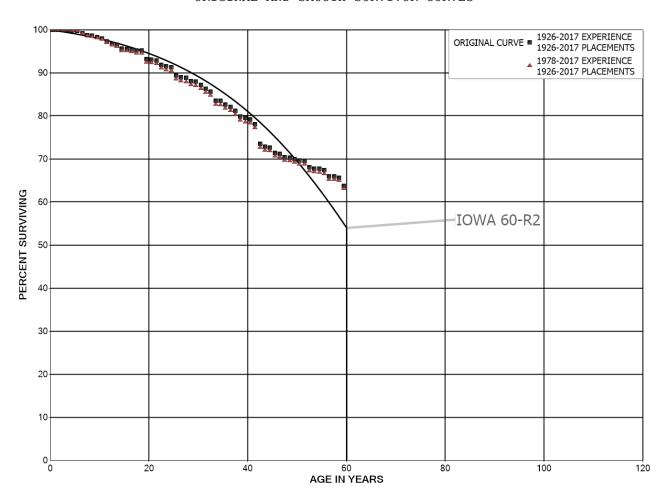


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KENTUCKY UTILITIES COMPANY
ACCOUNT 314 TURBOGENERATOR UNITS
ORIGINAL AND SMOOTH SURVIVOR CURVES



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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE

PLACEMENT H	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5	387,725,214 381,139,714 377,024,441 366,972,073 369,243,964 364,618,100 338,511,844 267,811,351 265,677,115	11,405 134,051 480,666 214,298 2,099,708 1,122,467 366,895	0.0000 0.0000 0.0000 0.0004 0.0013 0.0006 0.0062 0.0042 0.0014	1.0000 1.0000 1.0000 0.9996 0.9987 0.9994 0.9938 0.9958	100.00 100.00 100.00 100.00 99.96 99.83 99.77 99.15 98.74
8.5 9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	255,946,338 231,476,191 228,911,154 220,734,432 211,958,656 206,744,669 198,855,521 196,943,842 195,741,809 195,244,667 189,949,254	960,583 612,448 1,663,343 1,152,535 495,156 2,047,398 34,900 371,673 496,466 3,600 3,863,067	0.0038 0.0026 0.0073 0.0052 0.0023 0.0099 0.0002 0.0019 0.0025 0.0000 0.0203	0.9962 0.9974 0.9927 0.9948 0.9977 0.9901 0.9998 0.9981 0.9975 1.0000 0.9797	98.60 98.23 97.97 97.26 96.75 96.53 95.57 95.55 95.37 95.13
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	185,546,481 174,311,539 181,798,746 176,719,003 172,200,433 171,538,771 167,953,310 167,144,409 156,276,738 154,668,125	335,070 367,194 1,871,499 705,556 449,660 3,527,233 787,410 348,432 1,236,741 304,676	0.0018 0.0021 0.0103 0.0040 0.0026 0.0206 0.0206 0.0047 0.0021 0.0079 0.0020	0.9982 0.9979 0.9897 0.9960 0.9974 0.9794 0.9953 0.9979 0.9921 0.9980	93.19 93.03 92.83 91.87 91.51 91.27 89.39 88.97 88.79 88.08

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

PLACEMENT I	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	154,363,449 152,939,072 151,154,931 149,329,159 97,401,801 97,306,760 95,889,706 71,520,235 70,696,428	1,256,147 1,627,433 1,126,634 3,695,495 58,664 937,038 645,550 818,379 1,109,198	0.0081 0.0106 0.0075 0.0247 0.0006 0.0096 0.0067 0.0114 0.0157	0.9919 0.9894 0.9925 0.9753 0.9994 0.9904 0.9933 0.9886 0.9843	87.91 87.20 86.27 85.62 83.51 83.46 82.65 82.10 81.16
38.5 39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	68,486,755 63,818,569 46,303,642 45,620,787 42,917,695 28,807,630 28,745,409 28,261,577 21,538,845 21,317,345 21,283,444	349,329 198,474 682,698 2,664,171 412,494 59,844 482,943 97,246 221,501 33,901 118,197	0.0051 0.0031 0.0147 0.0584 0.0096 0.0021 0.0168 0.0034 0.0103 0.0016 0.0056	0.9949 0.9969 0.9853 0.9416 0.9904 0.9979 0.9832 0.9966 0.9897 0.9984 0.9944	79.88 79.48 79.23 78.06 73.50 72.79 72.64 71.42 71.18 70.45 70.33
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	21,159,472 21,010,641 19,465,619 19,020,248 18,934,135 12,618,892 12,555,028 9,566,731 9,564,926 9,511,514	106,372 23,139 418,909 82,920 11,547 63,208 261,631 1,805 38,530 275,161	0.0050 0.0011 0.0215 0.0044 0.0006 0.0050 0.0208 0.0002 0.0040 0.0289	0.9950 0.9989 0.9785 0.9956 0.9994 0.9950 0.9792 0.9998 0.9960 0.9711	69.94 69.59 69.51 68.02 67.72 67.68 67.34 65.94 65.93

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ACCOUNT 314 TURBOGENERATOR UNITS

PLACEMENT BAND 1926-2017				RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
59.5 60.5 61.5 62.5 63.5	8,459,169 5,573,236 96,695 96,695 96,695	73,616	0.0087 0.0000 0.0000 0.0000 0.0000	0.9913 1.0000 1.0000 1.0000	63.76 63.21 63.21 63.21 63.21
64.5 65.5 66.5 67.5 68.5	96,695 28,489 28,489 28,489 28,489	68,206	0.7054 0.0000 0.0000 0.0000 0.0000	0.2946 1.0000 1.0000 1.0000	63.21 18.62 18.62 18.62 18.62
69.5 70.5 71.5 72.5 73.5 74.5 75.5	28,489 28,489 28,489 28,489 28,489 28,489		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	18.62 18.62 18.62 18.62 18.62 18.62 18.62

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ACCOUNT 314 TURBOGENERATOR UNITS

ORIGINAL LIFE TABLE

PLACEMENT I	BAND 1926-2017		EXPER	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	307,782,419 321,891,794 317,776,677 312,399,690 330,352,173 325,728,685 302,569,441 242,427,874 240,300,992 230,570,215	11,405 134,051 480,666 214,298 2,099,708 1,122,467 366,895 960,583	0.0000 0.0000 0.0000 0.0004 0.0015 0.0007 0.0069 0.0046 0.0015 0.0042	1.0000 1.0000 1.0000 0.9996 0.9985 0.9993 0.9931 0.9954 0.9985 0.9958	100.00 100.00 100.00 100.00 99.95 99.81 99.74 99.05 98.59 98.44
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	206,113,423 203,548,386 195,371,665 186,631,654 181,417,896 178,908,685 176,997,006 175,801,839 175,305,353 174,275,484	612,448 1,663,343 1,152,535 495,156 2,047,398 34,900 371,673 496,466 3,863,067	0.0042 0.0030 0.0082 0.0059 0.0027 0.0113 0.0002 0.0021 0.0028 0.0000 0.0222	0.9970 0.9918 0.9941 0.9973 0.9887 0.9998 0.9979 0.9972 1.0000 0.9778	98.44 98.03 97.74 96.94 96.37 96.11 95.03 95.01 94.81 94.54 94.54
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	169,880,170 158,648,828 170,385,312 165,305,569 163,294,916 164,953,342 161,422,188 162,142,671 153,589,431 151,980,818	331,470 367,194 1,871,499 703,027 449,660 3,508,835 787,410 348,432 1,236,741 304,676	0.0020 0.0023 0.0110 0.0043 0.0028 0.0213 0.0049 0.0021 0.0081 0.0020	0.9980 0.9977 0.9890 0.9957 0.9972 0.9787 0.9951 0.9979 0.9919	92.45 92.27 92.05 91.04 90.66 90.41 88.48 88.05 87.86 87.15

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

PLACEMENT 1	BAND 1926-2017		EXPER	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5	152,521,532 151,852,173 150,068,032 148,242,260 96,314,902 96,219,861 94,802,807 70,433,336 69,609,529 68,458,266	1,251,617 1,627,433 1,126,634 3,695,495 58,664 937,038 645,550 818,379 1,109,198 349,329	0.0082 0.0107 0.0075 0.0249 0.0006 0.0097 0.0068 0.0116 0.0159 0.0051	0.9918 0.9893 0.9925 0.9751 0.9994 0.9903 0.9932 0.9884 0.9841 0.9949	86.98 86.27 85.34 84.70 82.59 82.54 81.73 81.18 80.23 78.96
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	63,790,080 46,275,153 45,592,298 42,889,206 28,779,141 28,716,920 28,233,088 21,510,356 21,288,856 21,254,955	198,474 682,698 2,664,171 412,494 59,844 482,943 97,246 221,501 33,901 118,197	0.0031 0.0148 0.0584 0.0096 0.0021 0.0168 0.0034 0.0103 0.0016	0.9969 0.9852 0.9416 0.9904 0.9979 0.9832 0.9966 0.9897 0.9984 0.9944	78.55 78.31 77.15 72.65 71.95 71.80 70.59 70.35 69.62 69.51
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	21,130,983 20,982,152 19,465,619 19,020,248 18,934,135 12,618,892 12,555,028 9,566,731 9,564,926 9,511,514	106,372 23,139 418,909 82,920 11,547 63,208 261,631 1,805 38,530 275,161	0.0050 0.0011 0.0215 0.0044 0.0006 0.0050 0.0208 0.0002 0.0040 0.0289	0.9950 0.9989 0.9785 0.9956 0.9994 0.9950 0.9792 0.9998 0.9960 0.9711	69.12 68.78 68.70 67.22 66.93 66.89 66.55 65.17 65.15 64.89

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

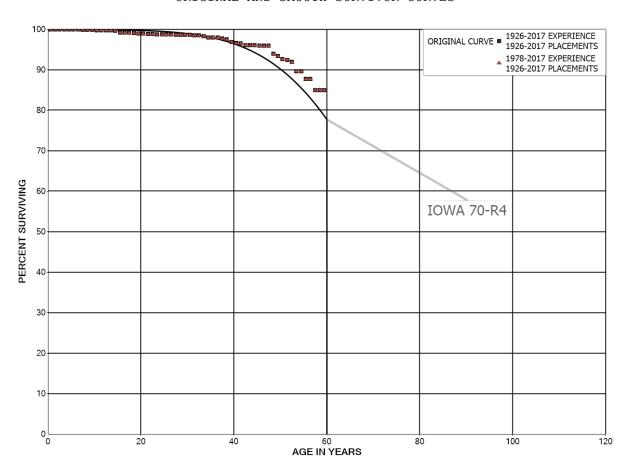
PLACEMENT BAND 1926-2017				RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
59.5 60.5 61.5 62.5 63.5	8,459,169 5,573,236 96,695 96,695 96,695	73,616	0.0087 0.0000 0.0000 0.0000 0.0000	0.9913 1.0000 1.0000 1.0000	63.01 62.47 62.47 62.47 62.47
64.5 65.5 66.5 67.5 68.5	96,695 28,489 28,489 28,489 28,489	68 , 206	0.7054 0.0000 0.0000 0.0000 0.0000	0.2946 1.0000 1.0000 1.0000	62.47 18.40 18.40 18.40 18.40
69.5 70.5 71.5 72.5 73.5 74.5 75.5	28,489 28,489 28,489 28,489 28,489 28,489		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	18.40 18.40 18.40 18.40 18.40 18.40 18.40

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KENTUCKY UTILITIES COMPANY ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT ORIGINAL AND SMOOTH SURVIVOR CURVES



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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT I	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5	236,765,620 231,708,286 225,886,012 221,422,167 194,995,759 164,517,676 135,305,190 98,974,416	2,825 60,852 1,251 53,197 19,085 29,193 30,588	0.0000 0.0003 0.0000 0.0002 0.0000 0.0001 0.0002	1.0000 0.9997 1.0000 0.9998 1.0000 0.9999 0.9998 0.9997	100.00 100.00 99.97 99.97 99.95 99.95 99.94 99.91
7.5 8.5	98,459,887 97,775,254	61,116 9,673	0.0006 0.0001	0.9994	99.88 99.82
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5	104,517,017 90,447,262 89,641,053 89,177,905 89,030,022 88,812,753 88,446,501 88,295,371 81,504,981 81,461,270	55,311 16,618 24,289 112,214 366,252 30,424 11,364 43,711 87,989	0.0005 0.0002 0.0003 0.0000 0.0013 0.0041 0.0003 0.0001 0.0005 0.0011	0.9995 0.9998 0.9997 1.0000 0.9987 0.9959 0.9997 0.9999 0.9995	99.81 99.76 99.74 99.71 99.71 99.59 99.18 99.14 99.13
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	81,357,650 77,244,094 87,735,181 86,937,871 85,738,860 85,519,905 87,617,079 87,584,833 76,914,661 76,168,176	38,097 77,507 16,906 77,981 4,526 7,439 21,218 15,600 2,400 8,680	0.0005 0.0010 0.0002 0.0009 0.0001 0.0001 0.0002 0.0002 0.0000	0.9995 0.9990 0.9998 0.9991 0.9999 0.9999 0.9998 1.0000 0.9999	98.97 98.92 98.82 98.81 98.72 98.71 98.70 98.68 98.66

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT I	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	76,080,939 75,990,976 76,808,216 76,683,426 53,447,278 53,296,494 52,250,948 27,162,297 27,702,446 27,484,311	21,169 51,076 75,706 137,955 150,784 13,931 40,930 60,283 54,375 175,203	0.0003 0.0007 0.0010 0.0018 0.0028 0.0003 0.0008 0.0022 0.0020 0.0064	0.9997 0.9993 0.9990 0.9982 0.9972 0.9997 0.9992 0.9978 0.9980 0.9936	98.65 98.62 98.55 98.46 98.28 98.00 97.98 97.90 97.68
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	26,439,415 16,568,382 15,910,467 15,846,566 9,466,997 9,396,128 5,179,230 5,410,401 5,404,561 5,569,459	76,829 18,279 63,328 13,078 8,553 530 109,351 34,150	0.0029 0.0011 0.0040 0.0008 0.0000 0.0009 0.0000 0.0001 0.0202 0.0061	0.9971 0.9989 0.9960 0.9992 1.0000 0.9991 1.0000 0.9999 0.9798 0.9939	96.87 96.59 96.48 96.10 96.02 96.02 95.93 95.93 95.93
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	5,529,355 5,475,143 5,151,310 5,057,986 4,927,600 3,014,647 3,555,458 3,040,640 2,942,091 2,925,460	47,257 10,923 26,194 127,637 3,485 63,419 185 94,142 306	0.0085 0.0020 0.0051 0.0252 0.0007 0.0210 0.0001 0.0310 0.0001 0.0000	0.9915 0.9980 0.9949 0.9748 0.9993 0.9790 0.9999 0.9690 0.9999	93.40 92.61 92.42 91.95 89.63 89.57 87.68 87.68 84.96

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT I	BAND 1926-2017	EXPE	RIENCE BAN	D 1926-2017	
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
59.5 60.5 61.5	3,067,535 2,473,101 671,690	11 , 578	0.0038 0.0000 0.0013	0.9962 1.0000 0.9987	84.96 84.63 84.63
62.5 63.5 64.5	639,898 439,626 439,626	9,782 65,636	0.0153 0.0000 0.1493	0.9847 1.0000 0.8507	84.52 83.23 83.23
65.5 66.5 67.5	153,727 144,907 144,907	8,820	0.0574 0.0000 0.0000	0.9426 1.0000 1.0000	70.80 66.74 66.74
68.5 69.5	144,907 144,523		0.0000	1.0000	66.74 66.74
70.5 71.5 72.5	144,523 144,523 144,523		0.0000	1.0000 1.0000 1.0000	66.74 66.74 66.74
73.5 74.5 75.5 76.5	144,523 144,523 144,523		0.0000 0.0000 0.0000	1.0000	66.74 66.74 66.74 66.74

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT E	BAND 1926-2017		EXPER	RIENCE BAN	D 1978-2017
AGE AT	EXPOSURES AT	RETIREMENTS			PCT SURV
BEGIN OF	BEGINNING OF	DURING AGE	RETMT	SURV	BEGIN OF
INTERVAL	AGE INTERVAL	INTERVAL	RATIO	RATIO	INTERVAL
0.0	210,281,179		0.0000	1.0000	100.00
0.5	215,399,686	60 , 852	0.0003	0.9997	100.00
1.5	209,585,266		0.0000	1.0000	99.97
2.5	205,122,672	41,086	0.0002	0.9998	99.97
3.5	185,246,033		0.0000	1.0000	99.95
4.5	154,837,395	19,085	0.0001	0.9999	99.95
5.5	129,774,535	29,193	0.0002	0.9998	99.94
6.5	93,446,113	30,504	0.0003	0.9997	99.92
7.5	92,932,461	55,034	0.0006	0.9994	99.88
8.5	92,253,910	9,673	0.0001	0.9999	99.83
9.5	99,000,875	55 , 311	0.0006	0.9994	99.81
10.5	84,931,119	16,618	0.0002	0.9998	99.76
11.5	84,125,307	24 , 289	0.0003	0.9997	99.74
12.5	83,727,163		0.0000	1.0000	99.71
13.5	83,609,405	112,214	0.0013	0.9987	99.71
14.5	84,090,004	366 , 252	0.0044	0.9956	99.58
15.5	83,723,752	30,424	0.0004	0.9996	99.14
16.5	83,572,621	11,364	0.0001	0.9999	99.11
17.5	76,793,187	43,711	0.0006	0.9994	99.09
18.5	77,355,946	86,930	0.0011	0.9989	99.04
19.5	77,272,677	37,072	0.0005	0.9995	98.93
20.5	73,163,230	77 , 507	0.0011	0.9989	98.88
21.5	84,642,261	16,906	0.0002	0.9998	98.77
22.5	83,852,827	77 , 981	0.0009	0.9991	98.75
23.5	83,190,019	4,526	0.0001	0.9999	98.66
24.5	84,090,545		0.0000	1.0000	98.66
25.5	86,201,755	21,218	0.0002	0.9998	98.66
26.5	86,489,345	15,600	0.0002	0.9998	98.63
27.5	76,397,351		0.0000	1.0000	98.61
28.5	75,653,266	8,680	0.0001	0.9999	98.61

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT I	BAND 1926-2017		EXPEF	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	75,706,049 75,714,843 76,553,335 76,428,545 53,192,397 53,041,613 51,996,067 26,907,416 27,447,565 27,334,430	21,169 51,076 75,706 137,955 150,784 13,931 40,930 60,283 54,375 175,203	0.0003 0.0007 0.0010 0.0018 0.0028 0.0003 0.0008 0.0022 0.0020 0.0064	0.9997 0.9993 0.9990 0.9982 0.9972 0.9997 0.9992 0.9978 0.9980 0.9936	98.60 98.58 98.51 98.41 98.23 97.96 97.93 97.85 97.63
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	26,289,534 16,418,501 15,760,586 15,696,685 9,317,116 9,246,247 5,029,349 5,260,520 5,254,680 5,419,578	76,829 18,279 63,328 13,078 8,553 530 109,351 34,150	0.0029 0.0011 0.0040 0.0008 0.0000 0.0009 0.0000 0.0001 0.0208 0.0063	0.9971 0.9989 0.9960 0.9992 1.0000 0.9991 1.0000 0.9999 0.9792 0.9937	96.82 96.53 96.43 96.04 95.96 95.87 95.87 95.87 95.86 93.86
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	5,379,474 5,330,620 5,151,310 5,057,986 4,927,600 3,014,647 3,555,458 3,040,640 2,942,091 2,925,460	41,899 10,923 26,194 127,637 3,485 63,419 185 94,142 306	0.0078 0.0020 0.0051 0.0252 0.0007 0.0210 0.0001 0.0310 0.0001 0.0000	0.9922 0.9980 0.9949 0.9748 0.9993 0.9790 0.9999 0.9690 0.9999	93.27 92.55 92.36 91.89 89.57 89.51 87.62 87.62 84.91 84.90

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

PLACEMENT BAND 1926-2017 EXPERIENCE BAND 197					
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
59.5 60.5 61.5 62.5 63.5 64.5	3,067,535 2,473,101 671,690 639,898 439,626 439,626	11,578 883 9,782 65,636	0.0153 0.0000 0.1493	0.9962 1.0000 0.9987 0.9847 1.0000 0.8507	84.90 84.58 84.58 84.46 83.17
65.5 66.5 67.5 68.5	153,727 144,907 144,907 144,907	8,820	0.0574 0.0000 0.0000 0.0000	0.9426 1.0000 1.0000 1.0000	70.76 66.70 66.70 66.70
70.5 71.5 72.5 73.5 74.5 75.5 76.5	144,523 144,523 144,523 144,523 144,523 144,523		0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	66.70 66.70 66.70 66.70 66.70 66.70

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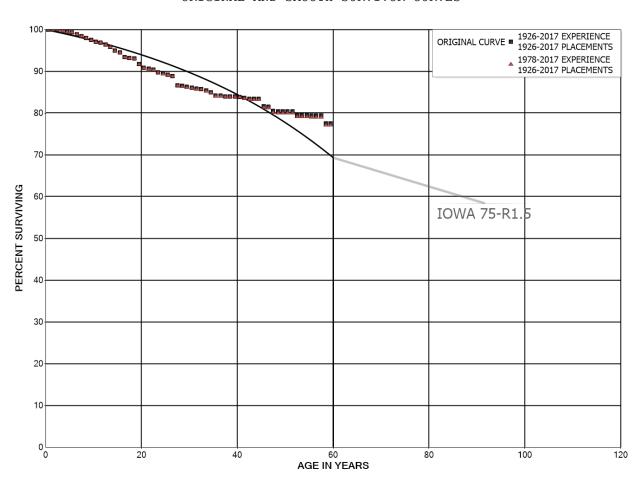
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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL AND SMOOTH SURVIVOR CURVES



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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT 1	BAND 1926-2017		EXPER	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5 8.5	43,050,630 41,182,460 40,211,977 38,718,681 36,066,852 34,348,177 32,796,479 26,917,416 25,388,431 24,934,467	1,108 5,849 3,818 117,883 91,858 58,752 142,990 104,872 128,040 116,507	0.0000 0.0001 0.0001 0.0030 0.0025 0.0017 0.0044 0.0039 0.0050 0.0047	1.0000 0.9999 0.9999 0.9970 0.9975 0.9983 0.9956 0.9961 0.9950 0.9953	100.00 100.00 99.98 99.97 99.67 99.42 99.25 98.81 98.43 97.93
9.5 10.5 11.5 12.5 13.5 14.5 15.5 16.5 17.5 18.5	24,693,591 24,024,308 23,641,590 23,043,472 22,214,442 20,576,476 20,111,394 19,592,885 19,371,767 17,995,734	107,515 44,310 114,108 134,225 197,348 112,147 232,788 48,424 10,956 266,714	0.0044 0.0018 0.0048 0.0058 0.0089 0.0055 0.0116 0.0025 0.0006 0.0148	0.9956 0.9982 0.9952 0.9942 0.9911 0.9945 0.9884 0.9975 0.9994 0.9852	97.47 97.05 96.87 96.40 95.84 94.99 94.47 93.38 93.15 93.10
19.5 20.5 21.5 22.5 23.5 24.5 25.5 26.5 27.5 28.5	17,594,677 15,905,188 15,175,280 14,313,625 13,684,588 13,215,175 12,753,822 11,972,251 10,878,268 10,086,599	169,390 44,000 30,647 103,845 39,193 50,089 48,388 292,258 19,028 25,435	0.0096 0.0028 0.0020 0.0073 0.0029 0.0038 0.0038 0.0244 0.0017 0.0025	0.9904 0.9972 0.9980 0.9927 0.9971 0.9962 0.9756 0.9983 0.9975	91.72 90.83 90.58 90.40 89.74 89.49 89.15 88.81 86.64 86.49

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT E	BAND 1926-2017		EXPEF	RIENCE BAN	D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	9,605,922 9,037,831 8,736,254 8,588,171 6,360,976 6,258,722 5,925,080 3,750,341 3,735,650 3,716,037	19,156 31,787 3,204 40,979 26,656 59,208 4,866 6,027	0.0020 0.0035 0.0004 0.0048 0.0042 0.0095 0.0008 0.0016 0.0000	0.9980 0.9965 0.9996 0.9952 0.9958 0.9905 0.9992 0.9984 1.0000	86.27 86.10 85.80 85.76 85.35 85.00 84.19 84.12 83.99 83.99
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	3,115,040 2,400,375 2,243,134 2,152,483 1,115,496 1,113,361 1,083,348 704,258 692,384 629,130	3,911 8,454 4,684 1,516 3 23,469 1,852 8,685 600	0.0013 0.0035 0.0021 0.0007 0.0000 0.0211 0.0017 0.0123 0.0009 0.0000	0.9987 0.9965 0.9979 0.9993 1.0000 0.9789 0.9983 0.9877 0.9991 1.0000	83.99 83.88 83.59 83.41 83.35 83.35 81.59 81.46 80.45 80.38
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	621,643 620,999 606,027 597,151 592,857 465,373 461,815 394,863 394,796 368,899	6,885 657 9,195 47	0.0000 0.0000 0.0114 0.0000 0.0014 0.0000 0.0000 0.0233 0.0001	1.0000 1.0000 0.9886 1.0000 1.0000 0.9986 1.0000 1.0000 0.9767 0.9999	80.38 80.38 80.38 79.47 79.47 79.36 79.36 79.36 77.51

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT BAND 1926-2017 EXPER					D 1926-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
59.5 60.5 61.5 62.5 63.5	370,854 305,062 198,685 196,652 184,483	54,060 1,111 2,505 1,443	0.0127 0.0078	0.8542 1.0000 0.9944 0.9873 0.9922	77.50 66.20 66.20 65.83 64.99
64.5 65.5 66.5 67.5 68.5	183,040 133,514 99,454 57,780 57,780	34,060 3,383	0.0000 0.2551 0.0000 0.0000 0.0585	1.0000 0.7449 1.0000 1.0000 0.9415	64.48 64.48 48.03 48.03
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5	54,397 54,397 54,397 54,397 54,397 54,133		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	45.22 45.22 45.22 45.22 45.22 45.22 45.22

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

ORIGINAL LIFE TABLE

PLACEMENT I	BAND 1926-2017		EXPEF	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
0.0 0.5 1.5 2.5 3.5 4.5 5.5 6.5 7.5	39,478,933 38,341,313 37,497,340 36,190,633 34,616,059 32,915,299 31,401,220 25,953,453 24,435,454	1,108 5,849 2,159 116,722 85,423 58,572 140,917 100,265 127,461	0.0000 0.0002 0.0001 0.0032 0.0025 0.0018 0.0045 0.0039 0.0052	1.0000 0.9998 0.9999 0.9968 0.9975 0.9982 0.9955 0.9961 0.9948	100.00 100.00 99.98 99.98 99.65 99.41 99.23 98.79 98.40
8.5	24,061,109	115,968	0.0048	0.9952	97.89
9.5	23,825,436	104,631	0.0044	0.9956	97.42
10.5	23,162,259	43,405	0.0019	0.9981	96.99
11.5	22,792,828	113,113	0.0050	0.9950	96.81
12.5	22,199,524	131,492	0.0059	0.9941	96.33
13.5	21,375,396	194,864	0.0091	0.9909	95.76
14.5	19,807,626	111,353	0.0056	0.9944	94.89
15.5	19,348,864	220,268	0.0114	0.9886	94.35
16.5	18,845,522	47,436	0.0025	0.9975	93.28
17.5	18,633,467	10,428	0.0006	0.9994	93.04
18.5	17,364,443	264,139	0.0152	0.9848	92.99
19.5	16,968,031	167,387	0.0099	0.9901	91.58
20.5	15,284,284	38,417	0.0025	0.9975	90.67
21.5	14,737,305	29,085	0.0020	0.9980	90.45
22.5	13,900,687	103,728	0.0075	0.9925	90.27
23.5	13,298,791	38,998	0.0029	0.9971	89.59
24.5	12,844,704	44,700	0.0035	0.9965	89.33
25.5	12,395,034	46,319	0.0037	0.9963	89.02
26.5	11,641,660	292,258	0.0251	0.9749	88.69
27.5	10,718,459	19,028	0.0018	0.9982	86.46
28.5	9,935,033	25,435	0.0026	0.9974	86.31

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT E	BAND 1926-2017		EXPEF	RIENCE BAN	D 1978-2017
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL
29.5 30.5 31.5 32.5 33.5 34.5 35.5 36.5 37.5 38.5	9,489,264 8,962,034 8,662,438 8,514,368 6,287,268 6,185,014 5,851,899 3,678,447 3,663,756 3,656,781	19,146 31,787 3,204 40,979 26,656 59,208 4,779 6,027	0.0020 0.0035 0.0004 0.0048 0.0042 0.0096 0.0008 0.0016 0.0000	0.9980 0.9965 0.9996 0.9952 0.9958 0.9904 0.9992 0.9984 1.0000	86.09 85.91 85.61 85.58 85.16 84.80 83.99 83.92 83.78
39.5 40.5 41.5 42.5 43.5 44.5 45.5 46.5 47.5 48.5	3,055,883 2,341,218 2,183,977 2,093,326 1,056,339 1,054,204 1,024,191 645,101 633,227 569,973	3,911 8,454 4,684 1,516 3 23,469 1,852 8,685 600	0.0013 0.0036 0.0021 0.0007 0.0000 0.0223 0.0018 0.0135 0.0009 0.0000	0.9987 0.9964 0.9979 0.9993 1.0000 0.9777 0.9982 0.9865 0.9991 1.0000	83.78 83.68 83.38 83.20 83.14 83.14 81.29 81.14 80.05 79.97
49.5 50.5 51.5 52.5 53.5 54.5 55.5 56.5 57.5 58.5	562,486 561,842 606,027 597,151 592,857 465,373 461,815 394,863 394,796 368,899	6,885 657 9,195 47	0.0000 0.0000 0.0114 0.0000 0.0014 0.0000 0.0000 0.0233 0.0001	1.0000 1.0000 0.9886 1.0000 1.0000 0.9986 1.0000 1.0000 0.9767 0.9999	79.97 79.97 79.97 79.06 79.06 79.06 78.95 78.95 78.95

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

PLACEMENT BAND 1926-2017 EXPERIENCE BAND 1978-201						
AGE AT BEGIN OF INTERVAL	EXPOSURES AT BEGINNING OF AGE INTERVAL	RETIREMENTS DURING AGE INTERVAL	RETMT RATIO	SURV RATIO	PCT SURV BEGIN OF INTERVAL	
59.5 60.5 61.5 62.5 63.5 64.5 65.5 66.5 67.5 68.5	370,854 305,062 198,685 196,652 184,483 183,040 133,514 99,454 57,780 57,780	54,060 1,111 2,505 1,443 34,060	0.0127	0.8542 1.0000 0.9944 0.9873 0.9922 1.0000 0.7449 1.0000 1.0000 0.9415	77.10 65.86 65.86 65.49 64.66 64.15 47.79 47.79	
69.5 70.5 71.5 72.5 73.5 74.5 75.5 76.5	54,397 54,397 54,397 54,397 54,397 54,133		0.0000 0.0000 0.0000 0.0000 0.0000 0.0000	1.0000 1.0000 1.0000 1.0000 1.0000 1.0000	44.99 44.99 44.99 44.99 44.99 44.99 44.99	

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1988	6,045		0		0		0
1989	2,547		0		0		0
1990	54 , 378		0		0		0
1991							
1992							
1993							
1994							
1995	86,278	10,005	12	2,930	3	7,074-	8 –
1996	2,936	609	21	3,210	109	2,601	89
1997	103,244	8,046	8		0	8,046-	8 –
1998	32,510	16,167	50		0	16,167-	50-
1999	5 , 858-	1,967-	- 34		0	1,967	34-
2000	11,626		0		0		0
2001	144,193	33,335	23		0	33,335-	23-
2002	370,024	20,477	6	241,345	65	220,868	60
2003							
2004	228,612	46,180	20		0	46,180-	20-
2005							
2006	137,959	47 , 675	35		0	47 , 675-	35 -
2007	2,213,101	777,334	35		0	777,334-	35 -
2008	89,209	20,700	23		0	20,700-	23-
2009	145,695	45,964	32	87 , 350	60	41,386	28
2010	88,392	12,254	14		0	12,254-	14-
2011	681 , 753	435,245	64		0	435,245-	64-
2012	243,522	153 , 934	63	2,596	1	151,338-	62-
2013	290,864	98,691	34	276	0	98,416-	34-
2014	674 , 281	1,428,648	212	38,924-	6-	1,467,572-	218-
2015	1,711,254	156,217	9	30,000	2	126,217-	7 –
2016	856 , 221	350 , 961	41	1,307	0	349 , 653-	41-
2017	562,235	496,650	88	1,285	0	495,366-	88-
TOTAL	8,731,023	4,157,125	48	331,375	4	3,825,750-	44-

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KENTUCKY UTILITIES COMPANY

ACCOUNT 311 STRUCTURES AND IMPROVEMENTS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	ES					
88-90	20,990		0		0		0
89-91	18,975		0		0		0
90-92	18,126		0		0		0
91-93							
92-94							
93-95	28,759	3 , 335	12	977	3	2,358-	8 –
94-96	29,738	3 , 538	12	2,047	7	1,491-	5 -
95-97	64,153	6,220	10	2,047	3	4,173-	7 –
96-98	46,230	8,274	18	1,070	2	7,204-	16-
97-99	43,299	7,415	17		0	7,415-	17-
98-00	12,759	4,733	37		0	4,733-	37-
99-01	49,987	10,456	21		0	10,456-	21-
00-02	175,281	17 , 937	10	80,448	46	62,511	36
01-03	171,406	17,937	10	80,448	47	62,511	36
02-04	199,545	22,219	11	80,448	40	58 , 229	29
03-05	76,204	15,393	20		0	15 , 393-	20-
04-06	122,191	31,285	26		0	31,285-	26-
05-07	783 , 687	275,003	35		0	275,003-	35-
06-08	813,423	281,903	35		0	281,903-	35-
07-09	816,002	281,333	34	29,117	4	252,216-	31-
08-10	107,766	26,306	24	29,117	27	2,811	3
09-11	305,280	164,488	54	29,117	10	135,371-	44-
10-12	337,889	200,478	59	865	0	199,613-	59-
11-13	405,380	229,290	57	957	0	228,333-	56-
12-14	402,889	560,424	139	12,018-	3-	572 , 442-	142-
13-15	892,133	561,185	63	2,883-	0	564,068-	63-
14-16	1,080,585	645 , 275	60	2,539-	0	647,814-	60-
15-17	1,043,236	334,609	32	10,864	1	323,745-	31-
FIVE-YEA	R AVERAGE						
13-17	818,971	506,233	62	1,211-	0	507,445-	62-

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

YEAR	REGULAR RETIREMENTS	COST OF REMOVAL AMOUNT	PCT	GROSS SALVAGE AMOUNT	PCT	NET SALVAGE AMOUNT	PCT
1988	5,472,744	33,162-		85 , 506	2	118,668	2
1989	140,477		0		0		0
1990	139,953		U		U		U
1991 1992	3,381,168	126,229	4	2,358	0	123,871-	4 –
1992	73,171	586,475	802	202,990-		789,466-	4-
1993	3,105,560	1,235,481	40	5,496	0	1,229,984-	40-
1994	2,831,089	887,355	31	88,317	3	799,038-	28-
1995	2,448,557	1,372,067	56	1,245,733	51	126,335-	20- 5-
1990	3,497,148	736,637	21	6,713	0	729,924-	21-
1997	614,620	826,172	134	14,906-	2-	841,078-	137-
1999	855,983	776,825	91	5,197	1	771,628-	90-
2000	4,074,449	770,023	0	20,250	0	20,250	0
2001	2,773,207	973,763	35	350	0	973,413-	35-
2001	1,580,022	47 , 752	3	842,803	53	795,051	50
2002	3,081,492	1,016,856	33	042,003	0	1,016,856-	33-
2003	2,629,000	1,220,722	46		0	1,220,722-	46-
2005	2,723,301	1,455,836	53	3,066	0	1,452,769-	53-
2006	8,467,051	5,300,625	63	17,365	0	5,283,260-	62-
2007	5,552,705	1,817,773	33	176 , 926	3	1,640,847-	30-
2008	1,602,275	654,037	41	170/320	0	654,037-	41-
2009	4,750,276	2,120,465	45	20,000	0	2,100,465-	44-
2010	8,267,108	974,238	12	10,802	0	963,435-	12-
2011	7,436,356	1,421,560	19	342,587	5	1,078,973-	15-
2012	23,431,274	5,029,476	21	172,783	1	4,856,693-	21-
2013	5,299,416	4,590,997	87	323,182	6	4,267,815-	81-
2014	12,989,896	2,451,690	19	186,603	1	2,265,087-	17-
2015	18,285,838	1,902,123	10	260,531	1	1,641,592-	9-
2016	10,706,444	3,910,726	37	199,327	2	3,711,400-	35-
2017	8,820,017	5,529,286	63	131,933	1	5,397,354-	61-
TOTAL	155,030,596	46,932,006	30	3,929,933	3	43,002,073-	28-
THREE-YE	AR MOVING AVERA	GES					
88-90	1,917,725	11,054-	1-	28,502	1	39 , 556	2

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KENTUCKY UTILITIES COMPANY

ACCOUNT 312 BOILER PLANT EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	ES					
89-91	93,477		0		0		0
90-92	1,173,707	42,076	4	786	0	41,290-	4 –
91-93	1,151,446	237,568	21	66,877-	6-	304,446-	26-
92-94	2,186,633	649 , 395	30	65,045-	3-	714,440-	33-
93-95	2,003,273	903,104	45	36,392-	2-	939,496-	47-
94-96	2,795,069	1,164,968	42	446,515	16	718,452-	26-
95-97	2,925,598	998 , 687	34	446,921	15	551 , 766-	19-
96-98	2,186,775	978 , 292	45	412,513	19	565 , 779-	26-
97-99	1,655,917	779 , 878	47	999-	0	780 , 877-	47-
98-00	1,848,351	534,332	29	3,514	0	530,819-	29-
99-01	2,567,880	583 , 529	23	8,599	0	574 , 930-	22-
00-02	2,809,226	340,505	12	287,801	10	52 , 704-	2-
01-03	2,478,240	679 , 457	27	281,051	11	398,406-	16-
02-04	2,430,171	761,777	31	280,934	12	480,842-	20-
03-05	2,811,264	1,231,138	44	1,022	0	1,230,116-	44-
04-06	4,606,451	2,659,061	58	6,811	0	2,652,250-	58 -
05-07	5,581,019	2,858,078	51	65,786	1	2,792,292-	50-
06-08	5,207,344	2,590,812	50	64,764	1	2,526,048-	49-
07-09	3,968,419	1,530,758	39	65,642	2	1,465,117-	37-
08-10	4,873,220	1,249,580	26	10,267	0	1,239,312-	25-
09-11	6,817,913	1,505,421	22	124,463	2	1,380,958-	20-
10-12	13,044,913	2,475,091	19	175,391	1	2,299,700-	18-
11-13	12,055,682	3,680,678	31	279,518	2	3,401,160-	28-
12-14	13,906,862	4,024,055	29	227,523	2	3,796,532-	27-
13-15	12,191,717	2,981,604	24	256 , 772	2	2,724,832-	22-
14-16	13,994,059	2,754,847	20	215,487	2	2,539,360-	18-
15-17	12,604,100	3,780,712	30	197,263	2	3,583,449-	28-
FIVE-YEA	R AVERAGE						
13-17	11,220,322	3,676,965	33	220,315	2	3,456,650-	31-

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

	REGULAR	COST OF REMOVAL	D.O.E.	GROSS SALVAGE	D.C.III	NET SALVAGE	D.C.
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1994	1,285,265	314,381	24		0	314,381-	24-
1995	1,942,977	374,438	19	110,477	6	263,960-	14-
1996	1,313,231	452 , 454	34	2,403,674	183	1,951,220	149
1997	3,603,445	466,687	13		0	466,687-	13-
1998	210,345	173,846	83		0	173,846-	83-
1999	152 , 655	85 , 180	56		0	85,180-	56-
2000	32,604		0		0		0
2001	100,327	27,123	27		0	27,123-	27-
2002	405,528	42,556	10	314,790	78	272,234	67
2003	3,275,422	878 , 306	27	61,336	2	816,969-	25-
2004	1,624,795	449,310	28		0	449,310-	28-
2005	771,200	302,941	39		0	302,941-	39-
2006	3,934,128	1,012,073	26		0	1,012,073-	26-
2007	832,436	139,427	17	582 , 620	70	443,192	53
2008	3,477,445	544,686	16		0	544,686-	16-
2009	4,484,265	1,068,154	24	167,816	4	900,337-	20-
2010	133,532	18,175	14		0	18,175-	14-
2011	1,816,683	534 , 507	29	920 , 288	51	385 , 780	21
2012	957 , 971	536 , 939	56		0	536 , 939-	56 -
2013	3,284,484	330 , 529	10		0	330 , 529-	10-
2014	1,010,285	223,264	22		0	223,264-	22-
2015	4,274,069	850 , 763	20		0	850 , 763-	20-
2016	513 , 878	481,408	94		0	481,408-	94-
2017	4,382,123	490,378	11	48,995	1	441,383-	10-
TOTAL	43,819,093	9,797,523	22	4,609,996	11	5,187,526-	12-
THREE-YE	AR MOVING AVERAG	ES					
94-96	1,513,824	380,424	25	838,051	55	457,626	30
95-97	2,286,551	431,193	19	838,051	37	406,858	18
96-98	1,709,007	364,329	21	801,225	47	436,896	26
97-99	1,322,148	241,904	18	11-, 220	0	241,904-	18-
98-00	131,868	86,342	65		0	86,342-	65-
99-01	95,195	37,434	39		0	37,434-	39-
00-02	179,486	23,226	13	104,930	58	81,704	46

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KENTUCKY UTILITIES COMPANY

ACCOUNT 314 TURBOGENERATOR UNITS

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	IS					
01-03	1,260,426	315 , 995	25	125,376	10	190,619-	15-
02-04	1,768,582	456,724	26	125,376	7	331,348-	19-
03-05	1,890,472	543,519	29	20,446	1	523 , 073-	28-
04-06	2,110,041	588,108	28		0	588,108-	28-
05-07	1,845,921	484,814	26	194,207	11	290 , 607-	16-
06-08	2,748,003	565 , 395	21	194,207	7	371 , 189-	14-
07-09	2,931,382	584 , 089	20	250 , 145	9	333,944-	11-
08-10	2,698,414	543 , 672	20	55 , 939	2	487,733-	18-
09-11	2,144,827	540 , 279	25	362 , 701	17	177 , 578-	8 –
10-12	969,395	363 , 207	37	306 , 762	32	56 , 445-	6-
11-13	2,019,713	467,325	23	306 , 762	15	160,563-	8 –
12-14	1,750,913	363 , 577	21		0	363 , 577-	21-
13-15	2,856,280	468,185	16		0	468,185-	16-
14-16	1,932,744	518,478	27		0	518,478-	27-
15-17	3,056,690	607,516	20	16,332	1	591 , 184-	19-
FIVE-YEA	R AVERAGE						
13-17	2,692,968	475,268	18	9,799	0	465,469-	17-

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1991	6,329		0		0		0
1992							
1993	37 , 232	74 , 358	200	396,748-		471,106-	
1994	9,852	977	10		0	977-	10-
1995	145,075	11,330	8	7,322	5	4,008-	3-
1996	76,925	10,741	14	124,975	162	114,234	149
1997	38,297	2,010	5		0	2,010-	5-
1998							
1999							
2000							
2001	16,118	6,569	41		0	6,569-	41-
2002	434		0	64,999		64,999	
2003	836		0		0		0
2004	28,226	7,603	27		0	7,603-	27-
2005							
2006	108,356	11,238	10		0	11,238-	10-
2007	195,095	71,257	37		0	71,257-	37-
2008	975		0		0		0
2009	69,407	58,030	84		0	58,030-	84-
2010	33,428	2,689	8	9,196	28	6 , 507	19
2011	909,711	308,869	34	119,912	13	188,957-	21-
2012	151,980	93,390	61	618	0	92,772-	61-
2013	363,097	239,415	66	2,808	1	236,607-	65-
2014	50,933	3,296	6	2,842	6	454-	1-
2015	30,263	7,973	26		0	7,973-	26-
2016	248,392	40,448	16		0	40,448-	16-
2017	115,065	15 , 658	14		0	15,658-	14-
TOTAL	2,636,025	965,851	37	64,076-	2-	1,029,928-	39-
THREE-YE.	AR MOVING AVERAGES						
91-93	14,520	24,786	171	132,249-	911-	157,035-	
92-94	15,695		160	132,249-		157,361-	
93-95	64,053	28,888	45	129,809-		158,697-	248-
94-96	77,284	7,682	10	44,099	57	36,416	47
	•	•		•		,	

Attachment 3 to Response to KIUC-1 Question No. 29

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KENTUCKY UTILITIES COMPANY

ACCOUNT 315 ACCESSORY ELECTRIC EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	IS					
95-97	86 , 766	8,027	9	44,099	51	36,072	42
96-98	38,407	4,250	11	41,658	108	37,408	97
97-99	12,766	670	5		0	670-	5-
98-00							
99-01	5 , 373	2,190	41		0	2,190-	41-
00-02	5 , 517	2,190	40	21,666	393	19,477	353
01-03	5 , 796	2,190	38	21,666	374	19,477	336
02-04	9,832	2,534	26	21,666	220	19,132	195
03-05	9,687	2,534	26		0	2,534-	26-
04-06	45 , 527	6,280	14		0	6,280-	14-
05-07	101,150	27,498	27		0	27,498-	27-
06-08	101,475	27,498	27		0	27,498-	27-
07-09	88,492	43,096	49		0	43,096-	49-
08-10	34,603	20,240	58	3,065	9	17,174-	50 -
09-11	337 , 515	123,196	37	43,036	13	80,160-	24-
10-12	365 , 039	134,983	37	43,242	12	91,741-	25-
11-13	474 , 929	213,891	45	41,113	9	172 , 779-	36-
12-14	188 , 670	112,034	59	2,089	1	109,944-	58 -
13-15	148,098	83 , 562	56	1,883	1	81,678-	55 -
14-16	109,862	17,239	16	947	1	16,292-	15-
15-17	131,240	21,360	16		0	21,360-	16-
FIVE-YEA	R AVERAGE						
13-17	161,550	61,358	38	1,130	1	60,228-	37-

Attachment 3 to Response to KIUC-1 Question No. 29

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
1988	7 , 815		0	100	1	100	1
1989	20,616		0	4,480	22	4,480	22
1990	4,249,398		0	164,118	4	164,118	4
1991	4,929		0		0		0
1992	55,521	958	2		0	958-	2-
1993	11,206	383	3	37,633	336	37,251	332
1994	24,722	42	0	337	1	295	1
1995	52,493	70	0	6,472	12	6,402	12
1996	50,369	120	0	7,529	15	7,409	15
1997	244,396	219	0	3,617	1	3,397	1
1998	65 , 320	374	1	12,212-	19-	12,586-	19-
1999	111,838	432	0	5,234	5	4,802	4
2000	472		0		0		0
2001	25,187		0		0		0
2002	56,542-		0	23,399	41-	23,399	41-
2003							
2004	186,564	10,310	6		0	10,310-	6-
2005							
2006	122,613	3,804	3	567	0	3,237-	3-
2007	196,052	737	0		0	737-	0
2008	15,404		0		0		0
2009	39,354	1,153	3		0	1,153-	3-
2010	20,830	3,603	17		0	3,603-	17-
2011	365,962	8,495	2		0	8,495-	2-
2012	149,327	7,193	5		0	7,193-	5-
2013	10,638	4,091	38		0	4,091-	38-
2014	191,506		0		0		0
2015	81,385	261,730	322		0	261,730-	322-
2016	470,726	10,352	2		0	10,352-	2-
2017	375 , 840	22 , 778	6	27,560	7	4,782	1
TOTAL	7,093,940	336 , 845	5	268,834	4	68,011-	1-
THREE-YEA	AR MOVING AVERAGES						
88-90	1,425,943		0	56,233	4	56,233	4

Attachment 3 to Response to KIUC-1 Question No. 29

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KENTUCKY UTILITIES COMPANY

ACCOUNT 316 MISCELLANEOUS POWER PLANT EQUIPMENT

		COST OF		GROSS		NET	
	REGULAR	REMOVAL		SALVAGE		SALVAGE	
YEAR	RETIREMENTS	AMOUNT	PCT	AMOUNT	PCT	AMOUNT	PCT
THREE-YE	AR MOVING AVERAGE	S					
89-91	1,424,981		0	56,199	4	56,199	4
90-92	1,436,616	319	0	54,706	4	54 , 387	4
91-93	23,885	447	2	12,544	53	12,098	51
92-94	30,483	461	2	12,657	42	12,196	40
93-95	29,474	165	1	14,814	50	14,649	50
94-96	42,528	77	0	4,779	11	4,702	11
95-97	115,753	137	0	5 , 872	5	5 , 736	5
96-98	120,028	238	0	356-	0	593-	0
97-99	140,518	342	0	1,121-	1-	1,462-	1-
98-00	59 , 210	269	0	2,326-	4 –	2,595-	4 –
99-01	45,832	144	0	1,745	4	1,601	3
00-02	10,294-		0	7,800	76-	7,800	76-
01-03	10,452-		0	7,800	75-	7,800	75 -
02-04	43,341	3,437	8	7,800	18	4,363	10
03-05	62,188	3,437	6		0	3,437-	6-
04-06	103,059	4,705	5	189	0	4,516-	4 –
05-07	106,222	1,514	1	189	0	1,325-	1-
06-08	111,356	1,514	1	189	0	1,325-	1-
07-09	83,603	630	1		0	630-	1-
08-10	25,196	1,585	6		0	1,585-	6-
09-11	142,049	4,417	3		0	4,417-	3-
10-12	178,706	6,430	4		0	6,430-	4 –
11-13	175,309	6,593	4		0	6,593-	4 –
12-14	117,157	3,762	3		0	3,762-	3-
13-15	94,509	88,607	94		0	88,607-	94-
14-16	247,872	90,694	37		0	90,694-	37-
15-17	309,317	98 , 287	32	9,187	3	89,100-	29-
	R AVERAGE						
13-17	226,019	59,790	26	5,512	2	54,278-	24-

The attachment is provided in a separate file in Excel format.

The attachment is provided in a separate file in Excel format.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 30

Responding Witness: Lonnie E. Bellar / John J. Spanos

- Q.1-30. Refer to pages 10-11 of Mr. Spanos' Direct Testimony wherein he describes the "dismantlement component" added to the overall net salvage for each production facility. Refer also to pages VIII-2 of Exhibit JJS-KU-1 (Depreciation Study attached to Mr. Spanos' Direct Testimony).
 - a. Please describe and provide copies of all source documentation relied upon to determine that "the dismantlement or decommissioning costs for steam production facilities is best calculated at \$40/KW of the assets subject to final retirement."
 - b. Please provide copies for each generating facility of the calculations the terminal net salvage component as based on the \$40/KW assumption. Provide in electronic format with all formulas intact.
 - c. Please provide copies of the "cost estimate of dismantlement of the Cane Run facility" referenced on page 10, lines 20-22, and identify all applicable Cane Run units.
 - d. Please identify the retirement dates for all Cane Run units and all actual dismantlement costs incurred to date by year and by individual Cane Run unit. In addition, please describe the current status of all Cane Run unit retirement and/or dismantlement projects.
 - e. Provide the calculations of the overall net salvage showing the interim and terminal net salvage components reflected in the approved depreciation rates and those proposed in this proceeding.

A.1-30.

a. The decommissioning costs for comparable facilities are not available as these are proprietary to the individual utility. However, the decommissioning costs relate to facilities in Kentucky, North Carolina,

Virginia, Indiana, Washington, South Dakota, Iowa, Oklahoma, Utah, Wyoming, Oregon, Colorado, Nevada, Idaho, Florida, Kansas, and Missouri for recent studies.

- b. See response to part a.
- c. The retired Cane Run units are not owned by Kentucky Utilities.
- d. The retired Cane Run units are not owned by Kentucky Utilities. Additionally, see LG&E KIUC 1-27(d).
- e. The Terminal Net Salvage vs. Interim Net Salvage was not defined in the Order stipulating the rates, as the weighted net salvage was based on a settlement. The proposed weighted net salvage calculation is set forth on page VIII-2 Exhibit JJS-KU-1 of my testimony. The currently approved terminal net salvage component is lower than the proposed terminal net salvage due to the settlement.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 31

Responding Witness: John J. Spanos

- Q.1-31. Please provide a copy of all notes drafted by Mr. Spanos and/or his colleagues and all other workpapers and source documents relied on but not previously supplied in response to the Commission's MFR or Staff First Set.
- A.1-31. See the response to US DOD 1-26.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 32

Responding Witness: Lonnie E. Bellar

Q.1-32. Please provide the probable retirement dates used for each of the Company's generating units and the source documents relied on for this purpose. Identify the Company witness, other than Mr. Spanos, who provided and can testify as to the probable retirement dates.

A.1-32.

The retirement dates for the Company's units are as stated in Mr. Spanos' testimony, pages III-4 and III-5 of Exhibit JJS-KU-1 (Depreciation Study attached to Mr. Spanos' direct testimony). The witness to testify to these dates is Mr. Lonnie E. Bellar.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 33

Responding Witness: David S. Sinclair / Christopher M. Garrett

Q.1-33. Refer to page 20 of 50 of Attachment H to Tab 16 of 807 KAR5:001 Section 16(7)(c), which shows the proposed retirement dates for coal generating units assuming a 65-year life used for planning purposes. Refer also to pages III-4 and III-5 of Exhibit JJS-KU-1 (Depreciation Study attached to Mr. Spanos' Direct Testimony). For each of KU's units, please provide an explanation as to why the retirement dates assumed in the depreciation study are sooner than that assumed for planning purposes.

A.1-33.

Referring to page 20 of 50 of Attachment H to Tab 16 of 807 KAR5:001 Section 16 (7)(c), the assumption of 65 years of unit operation from the date of commercial operation is based on the upper end of the age range of recently retired coal units in both the U.S. and the Companies' own fleet. In other analyses such as the recently filed 2018 Integrated Resource Plan and the 2017 PPL Climate Assessment report, the Companies evaluated a range of 55 to 65 years.

The depreciation study in Mr. Spanos's direct testimony contains a more detailed engineering analysis of each unit, as opposed to the general age assumption applied in Attachment H. For each unit, the depreciation study resulted in the retirement date occurring at the lower end of the industry life span range for coal units. This higher level of detail is the reason that the dates shown in the depreciation study occur sooner than the assumed age in Attachment H.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 34

Responding Witness: John J. Spanos / Christopher M. Garrett

- Q.1-34. Refer to the composite remaining lives associated with the Ash Ponds, the costs for which are included in account 312.10, for the various units contained on page VI-4 of Exhibit JJS-KU-1 (Depreciation Study attached to Mr. Spanos' Direct Testimony).
 - a. Please describe in detail the Company's proposal in regards to the remaining service lives depicted for each unit, the basis for each, and the proposal to start depreciating the assets again.
 - b. Please indicate when the Company stopped recording depreciation expense for the Ash Ponds in prior years and the reasons why. Provide citations as applicable.

A.1-34.

- a. In Exhibit JJS-KU-1, the remaining net plant is set forth to be recovered over a remaining life of 3 to 6 years. Each ash pond has a set period of time before being closed which corresponds to the remaining life. The ash ponds should not have stopped being depreciated in 2017.
- b. The Company stopped recording depreciation expense for the ash ponds effective July 1, 2017. The ash pond rates were inadvertently listed as a zero rate as part of the settlement agreement in Case No. 2016-00370. The ash pond assets were moved to separate depreciation groups in the previous depreciation study resulting in the omission. The separate depreciation groups were the result of the decision reached in Case No. 2016-00026 whereby the closure costs would be amortized for ratemaking purposes rather than recovered through depreciation rates. As a result, the proposed study corrects this omission.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 35

Responding Witness: Christopher M. Garrett / John J. Spanos

- Q.1-35. Refer to the present and proposed depreciation rates shown on the Excel spreadsheet titled Att_KU_PSC_1-65_Depreciation_Exp_Wkpr provided in response to PSC Staff 1-65. Refer further to cell C66, which reflects a depreciation rate of 24.68% being used to depreciate this Ash Pond asset described as "KU-131200-EWB 1 Boil Ash Pond." Refer also to the depreciation rates for all three EW Brown units reflected on page VI-4 of Exhibit JJS-KU-1 (Depreciation Study attached to Mr. Spanos' Direct Testimony) associated with the Ash Ponds, the costs for which are included in account 312.10.
 - a. Confirm that the asset amount for the asset in cell row 66 in "Att_KU_PSC_1-65_Depreciation_Exp_Wkpr" contains the asset amount of \$13,208,176.87 for all month in the test year.
 - b. Confirm that the original cost amounts in account 312 on page VI-4 of Exhibit JJS-KU-1 associated with Brown Unit 1 and Brown Unit 2 of \$9,299,115.00 and \$3,909,061.87 sum to \$\$13,208,176.87.
 - c. Confirm that the depreciation rates determined for Brown Unit 1 and Brown Unit 2 on page VI-4 of Exhibit JJS-KU-1 were 0% and 7.82%, respectively.
 - d. Please indicate whether an error was made in cell row 66 in "Att_KU_PSC_1-65_Depreciation_Exp_Wkpr" to reflect the 24.68% depreciation rate instead of a blended rate for the Brown 1 and Brown 2 Ash Pond rates determined for account 312.10. If so, please recompute the appropriate rate and provide the reduction in total company and jurisdictional depreciation expense to correct. If not an error, please explain.

- a. Yes, the asset amount in cell row 66 of attachment, "Att_KU_PSC_1-65_Depreciation_Exp_Wkpr.xlsx" contains the asset amount of \$13,208,176.87 for all months in the test year.
- b. The amounts referenced in the question are reflected in Account 312.1 and do sum to \$13,208,176.87.
- c. The depreciation rates for Brown Unit 1 and Brown Unit 2 in Account 312.1 are confirmed in Exhibit JJS-KU-1.
- d. An incorrect amount was presented in cell row 66 in "Att_KU_PSC_1-65_Depreciation_Exp_Wkpr" which reflects the 24.68% depreciation rate instead of a blended rate for Brown 1 and Brown 2 ash pond. The correct depreciation accrual rate should be 2.32% and the depreciable base amount should be \$13,208,176.67. Therefore, the monthly depreciation expense beginning in May 2019 should be \$25,490.25.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 36

Responding Witness: Daniel K. Arbough

- Q.1-36. Refer to the assets described as ECR assets on the Excel spreadsheet titled Att_KU_PSC_1-65_Depreciation_Exp_Wkpr provided in response to PSC Staff 1-65. Refer also to Schedule D-2 line 140 related to the total company reduction in depreciation expense of \$69,916,640 associated with the ECR mechanism in the test year.
 - a. Please provide a schedule showing how the sum of the annual depreciation expense for the test year for each of the ECR assets matches the amount removed in Schedule D-2 of \$69,916,640. If the amounts do not reconcile, please explain why.
 - b. Refer further to the forecasted test year depreciation expense of \$344,877.72 in cell row 138 for the asset described as "KU-131200-TC 2 Boil ECR 2009-Ash Po." Please indicate whether this depreciation expense was removed as part of the ECR depreciation expense reduction on Schedule D-2. If not, explain why not since it is described as being associated with the ECR mechanism.

A.1-36.

a.

Total Depreciation Expense per PSC 1-65 Depreciation	\$ 70,289,221
Total Depreciation Expense Transportation	(382)
Total Depreciation Expense FERC-AFUDC	(67,269)
ECR Exclusion	(304,930)
Amount per D-2, line 140	\$ 69,916,640

b. Yes, "KU-131200-TC 2 Boil ECR 2009-Ash Po" was included in the \$69,961,640 that was removed in the ECR assets adjustment.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 37

Responding Witness: Christopher M. Garrett

- Q.1-37. Refer to the present and proposed depreciation rates shown on the Excel spreadsheet titled Att_KU_PSC_1-65_Depreciation_Exp_Wkpr provided in response to PSC Staff 1-65, plant accounts 350 and 360 Land Rights shown on lines 361-364 and 394-397, respectively. Explain why the Company depreciates land rights. Provide all support for this proposition, including references to the Order in which these depreciation rates were adopted.
- A.1-37. The Company depreciates land rights because these assets have a limited useful life. Unlike land which has an unlimited useful life and is therefore not depreciated, land rights can become obsolete if the assets for which the land right was purchased are removed and nothing is installed in their place.

Guidance regarding depreciation of land rights can be found in the *Public Utility Depreciation Practices* published by the National Association of Regulated Utility Commissioners (NARUC). Specific references are found in Chapter 5 *The Depreciable Base*, section D.4. *Depreciable Plant-Land and Right-of-Way* and are as follows:

"b. Right-of way may be either in the form of an easement which allows certain uses of land belonging to others or it may consist of land owned in fee. The former may be subject to amortization if for a limited term or over an estimated life of usefulness. Right-of-way is usually of such shape that it is of limited value for other purposes. Often it is virtually lost by adverse passion when no longer used by the utility."

For the order approving these rates, please refer to the previous depreciation study on file with the Commission in Case No. 2016-00370, *In the Matter of: Application of Kentucky Utilities Company for an Adjustment of its Electric Rates and for Certificates of Public Convenience and Necessity.*

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 38

Responding Witness: Christopher M. Garrett

- Q.1-38. Refer to the present and proposed depreciation rates shown on the Excel spreadsheet titled Att_KU_PSC_1-65_Depreciation_Exp_Wkpr provided in response to PSC Staff 1-65, plant account 343 Prime Movers shown on lines 285-300. Describe the Company's plant accounting for interim retirements and refurbishments of this equipment. For example, does the Company retire the gross plant, including a debit to accumulated depreciation and credit to gross plant for the original cost, then refurbish the equipment, then record the cost of the refurbished equipment in materials and supplies, then credit materials and supplies and debit gross plant for the cost of the refurbished equipment when the equipment is placed in service again? Provide a copy of all written documentation regarding the Company's accounting for this plant account.
- A.1-38. KU employs the guidance prescribed in the Code of Federal Regulations 18 CFR, Chapter 1, Subchapter C, Part 101, Electric Plant Instructions 10 and 11 for interim retirements.

The book cost of the asset being retired is credited to the electric plant account in which it is included and the book cost (and any associated cost of removal/salvage) is charged to accumulated provision for depreciation. Refurbished assets are not items recorded as inventory (materials and supplies) but rather are recorded as capitalized spare assets.

The following excerpt is from the Inventory Management Policy concerning capitalized spare assets:

10. Capitalized spare parts should be added to inventory for tracking purposes. Capitalized spare parts are defined as replacement items which are highly specialized, not readily available (long lead time), and generally are a major operational part of a unit. Capitalized spare parts must be capitalized and depreciated over the life of the related asset, regardless of when they are

purchased and placed in service. Since spare parts are capitalized they are carried at \$0 in the inventory account.

The following excerpt is from the Inventory Management Procedure concerning capitalized spare assets:

Capitalized Spare Parts Inventory (Generation only)

Capitalized spare parts ("Capital Spares") are items placed in inventory at zero cost since they are purchased with capital dollars. Capital Spares are recorded in an Asset in Service (account #101xxx) during the capital process, and would be entered into the M&S Inventory sub ledger (which controls account #154001) at zero dollars.

Capital Spares are defined as replacement items which are highly specialized, not readily available (long lead time), and generally are a major operational part of a unit. Listed below are the requirements for an item to be considered as a Capital Spare:

- 1. Equipment or materials used for Power Generation type equipment only.
- 2. Must be a retirement unit of property
- 3. Are to be used as replacements in order to avoid substantial operational time loss caused by emergencies due to particular machinery or equipment failure.
- 4. Not subject to normal periodic replacement
- 5. Not readily available from vendor or manufacturer in time to avoid substantial operational time loss.
- 6. Typically, (but not exclusively) acquired in small quantities (generally only one or two are on hand for each piece of machinery or equipment).
- 7. Should be acquired in accordance with the Capital and Investment Review Policy.

Care should be taken to ensure that items purchased as Capital Spares meet the guidelines set forth above. It is expected that Capital Spares would only be issued from inventory to a generation capital project—not to an O&M project. If an item could be charged to either a capital project or to an O&M project, it should not be established as a Capital Spare, but rather as a materials and supplies inventory item (carried at cost in account #154001). It is inappropriate to stock an entire warehouse being established for a new operating unit exclusively as Capital Spares.

Accounting Treatment:

The following accounting treatment should take place when a Capital Spare part has been issued from inventory and is being installed:

- The installation activities of the spare part should be capitalized. An Authorization for Investment Proposal ("AIP") with a task to accumulate the installation costs is needed to capture these charges. In the project description on the AIP provide the original project number, if possible, where the original spare part was purchased. The Capital Spare will be issued at zero dollars to the capital project. Appropriate removal costs for the retired item need to be charged to the AIP.
- When an item that can be considered a capital spare is completely refurbished (representing a bumper-to-bumper over-haul) the refurbishment cost should be charged to a capital project (on a separate task) and the item can be returned to inventory as a capital spare at \$0.

Note: The above process does not apply to line transformers and meters as they are not generation assets. These items are charged directly to capital and tracked in inventory.

KENTUCKY UTILITIES COMPANY

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 39

Responding Witness: Christopher M. Garrett / John J. Spanos

- Q.1-39. In reference to the depreciation rates currently being utilized to record depreciation expense that authorized as a result of the Stipulated Settlements in Case Nos. 2016-00370 and 2016-00371, please provide copies of the Company's calculations used to derive those rates in electronic format with all formulas intact.
- A.1-39. See attached.

The attachment is provided in a separate file in Excel format.

KENTUCKY UTILITIES COMPANY

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 40

Responding Witness: Daniel K. Arbough

- Q.1-40. Refer to the depreciable base amounts for the EW Brown Units 1 and 2 for each of the applicable plant asset accounts utilized to compute depreciation expense that are contained in the Excel spreadsheet titled Att_KU_PSC_1-65_Depreciation_Exp_Wkpr provided in response to PSC Staff 1-65. There are smaller amounts of depreciable bases and computed depreciation expense amounts starting in March 2019 after the projected retirement of the units but some smaller amounts still remain. Please explain why those reduced amounts of depreciation expense are still being reflected instead of zero amounts for the test year even after the retirement of the assets.
- A.1-40. The assets that are left after the retirements are assets common to all Brown units that were originally assigned at the time of construction to Brown 1 and 2, but that are still needed in the operation of the remaining unit.

KENTUCKY UTILITIES COMPANY

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 41

Responding Witness: Daniel K. Arbough / Lonnie E. Bellar

- Q.1-41. Refer to page 4 of 235 of Attachment I to Tab 16 of 807 KAR5:001 Section 16(7)(c), which shows the proposed demolition schedules for the Company's retired generating plants. Refer also to Mr. Thompson's Direct Testimony at page 16, lines 12-22, in regards to demolition costs cited for several coal units.
 - a. Please describe the present status of each of the retired plants, including the extent of facility decommissioning, dismantlement, and site remediation to date.
 - b. Please describe the full extent of the planned dismantlement and site remediation for each of the retired plants.
 - c. Please identify each statute, regulation, and/or rule that requires the demolition of each of the retired plants and explain in layman's terms why it requires dismantlement and site remediation between now and 2019 as opposed to maintain the present status for the indefinite future or until there are definitive site development plans.
 - d. Provide the year of retirement for each of the retired plants.
 - e. Please provide a copy of the Company's business case and/or all other economic and/or other studies that support the Company's decision to proceed with demolition.
 - f. Please provide the Company's cost estimates to demolish each of the retired plants as well as all underlying studies and documentation.
 - g. For each retired plant, indicate whether the Company will proceed with demolition if the cost is not included in the revenue requirement.

h. Please provide the Company's demolition cost estimate for each of the retired plants, including all supporting documentation.

A.1-41.

a. Due to changes in environmental regulations, fuel cost differences between coal and natural gas, and changes in load forecasts, the Companies have retired a number of coal units in recent years, and are facing additional retirements in the near future. The increasing number of retired facilities, coupled with the Companies' additional experience regarding the increased complexity of securing and maintaining such facilities, has led the Companies to take a more proactive approach by demolishing retired facilities where no active coal generation remains. This approach reduces risk of injury, property loss, environmental impacts, and adverse regulatory requirements that could increase the cost of future demolition.

Updates concerning the Company's retired coal-fired facilities are below:

Green River - the facility underwent initial decommissioning activities beginning in late 2015, such as the draining and disposal of oils and disconnection of miscellaneous non-essential electrical systems. In addition to the aforementioned decommissioning activities, in order to minimize safety risk and liabilities from trespassers to the site, exterior structures such as the coal handling building and conveyors, wet flue gas desulfurization system and chimney, and lime storage structures were demolished in 2016. The remaining facility is currently under contract for abatement and demolition to Brandenburg. Asbestos and lead abatement is approximately 30% complete and demolition is approximately 10% complete. The demolition of structures, as well as final site restoration is scheduled to be complete by the end of 2019.

Pineville – the facility was decommissioned years ago since its retirement in 2002, including such activities as the draining and disposal of oils and disconnection of miscellaneous non-essential electrical systems, as well as installation of temporary barricades for protection against portions of the exterior of the power block's spalling brick and mortar exterior. No demolition activities have been performed in the last several years. The facility is currently under contract for abatement and demolition to Brandenburg. Asbestos and lead abatement will begin in late 2018 with the demolition to follow. The demolition of structures, as well as final site restoration is scheduled to be complete by the end of 2019.

Tyrone - the facility was decommissioned after its retirement in 2013, including such activities as the draining and disposal of oils and

disconnection of miscellaneous non-essential electrical systems. No demolition activities have occurred and the site is managed to maintain a safe exterior against trespassers. The facility is currently under contract for abatement and demolition to Brandenburg. Asbestos and lead abatement will begin in late 2018 with the demolition to follow. The demolition of structures, as well as final site restoration is scheduled to be complete by the end of 2019.

- b. For Green River, please see Green River's Exhibit A Appendix A, Specifications/Summary of Work. For Pineville, please see Pineville's Exhibit A Technical Specifications. For Tyrone, please see Tyrone's Exhibit A Technical Specifications. All three are attached.
- c. Regardless of whether there is a legal requirement that requires the demolition of these facility structures, the Company has an obligation to abate or remove asbestos within these retired facilities. The Company's retired coal-fired facilities will continue to deteriorate without significant effort and continued expense to properly and safely secure and maintain the facilities. The cost to remove the asbestos hazard will continue to grow over time. This is by far the largest cost to safely and securely mothball the facilities, with the asbestos remediation cost typically being approximately half the cost to demolish the structures. When taking into account the risk and liabilities above, the cost to safely mothball the facilities could approach the cost of demolishing the structures, while not eliminating the escalation and execution risk to demolish them in the future.
- d. The Green River station was retired in 2015, Pineville in 2002 and Tyrone in 2013.
- e. See attached. Certain information requested is confidential and proprietary and is being provided under seal pursuant to a petition for confidential protection.

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¹ Relevant requirements include: (1) OSHA, 29 CFR 1910.1001 specifying worker safety protections including permissible exposure limits, engineering controls, and disposal; (2) KRS 224.1-400 requiring remedial action in the event of a release of a hazardous substance; (3) KRS 224.40-100 and KRS 224.40-305 prohibiting disposal of waste without a permit; (4) CERCLA, 42 U.S.C. 9601, et seq. imposing liability for releases or threatened releases of a hazardous substance; and (5) To the extent a structure was allowed to collapse in a manner effectively constituting "demolition," 401 KAR 58:040 specifying work practice requirements for demolitions that may cause a disturbance of friable asbestos; equivalent requirements are found in 40 CFR 61.140-61.157 (Subpart M).

- f. See attached. See also the attachments provided in KU's response to KIUC 1-10f in Case No. 2016-00370.²
- g. The Company has included the proposed demolition costs because it believes it is prudent for a number of reasons including safety to demolish the facilities. If the Commission believes it is not prudent and disallows the recovery of any or all of those costs, the Company will have to reevaluate how to proceed.
- h. This question is redundant to part f above.

² Available at: https://psc.ky.gov/pscecf/2016-00370/derek.rahn%40lge-ku.com/01252017100851/2-2016_KIUC_DR1_KU_FINAL_w_attachments_%28VOL_1_-_Q01-Q23%29.pdf

EXHIBIT A – APPENDIX A SPECIFICATIONS SECTION 01 11 00 SUMMARY OF WORK 12/20/2017

PART 1 GENERAL

1.1 Submittals

All project plans and submittals should be submitted and filed subordinate to one of the six relevant Work Plans referenced in the Agreement.

The above Plans shall be submitted within 30 Days of the Effective Date. Work shall not begin until the Owner has approved the relevant Work Plan. At such time during the execution of Work that differing conditions are encountered requiring changes to the Plans, the Plans will be amended accordingly and subsequently approved by Owner.

Submittals shall be in accordance with Section 01 33 00 SUBMITTAL PROCEDURES:

1.2 Work Covered by Contract Documents

1.2.1 Project Description and Location

Contractor shall perform the following: abatement and demolition of the Facility as more specifically described in these Technical Specifications (hereinafter referred to as the "Work").

The Facility is located 3 miles north of Central City in Muhlenberg County at 37 degrees 21' 49" latitude and 87 degrees 7' 12" longitude. Per the plants operation manual, the elevation at the plant averages 400 feet above mean sea level. The net annual precipitation in the area is approximately 10 inches. The water table in the underlying alluvial aquifer is estimated to occur at approximately 25 feet below land surface, based on topographic contour data.

The retired coal fired units (units 1, 2, in 2014 3, and 4). The main power block is configured in the following manner; 4 operating units with 5 boilers. The first 3 boilers were constructed with steam turbines 1 & 2, known as Units 1 & 2. Steam generated from any of boilers 1-3 could be directed to operate the steam turbines 1 & 2 together or independently. Unit 3 has a dedicated operating boiler known as boiler #4. Unit 4 has a dedicated operating boiler known as boiler #5. Boilers 1-3 have a dedicated stack that sits at ground level west of boiler #3. Boilers 1-3 do not have electrostatic precipitators, but the breaching for Boilers 1-3 was ducted to a former scrubber that sat south of the plant (now removed). Boiler 4 has an electrostatic precipitator on the west side of the building, and a stack that sits on top of the roof over the coal bunkers. Boiler #5 has an electrostatic precipitator that also sits on the west side of the building, and a stack that sits on top of the roof above the fan floor, west side. Ancillary buildings consist of three small metal buildings just west of precipitators #4 & #5, adjacent to the switchyard. The small ancillary building that sits on a trailer is west of the switchyard.

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The switchyard will remain in operation during the demolition project and is in close proximity to the main powerblock, precipitators and ancillary buildings. Coal handling facilities have been previously demolished, and other projects including closure of ash ponds is ongoing.

Contractor shall coordinate with other ongoing activities on the Job Site that may be occurring concurrently.

PART 2 DESCRIPTION OF WORK

Exhibit A, including Appendices A and B, comprise the Technical Specifications. Contractor is obligated to perform the Work in full compliance with the Project Requirements including these Technical Specifications. The provisions of these Technical Specifications are not intended to be a substitute for or in any way diminish the Project Requirements. If the Project Requirements require more or different Work than set forth in these Technical Specifications, Contractor shall also perform such Work. If any of the provisions of these Technical Specifications is inconsistent with (i.e., not permitted under) any of the Project Requirements, Contractor shall notify Owner to that effect and Owner will amend the Technical Specifications to eliminate the inconsistency. Neither such amendment, nor any other differences between these Technical Specifications and the other Project Requirements shall constitute an Excusable Event, a Change Order, or otherwise entitle Contractor to any adjustment.

This statement of Work is an overview of the Work and is subject to the more detailed Technical Specifications of Exhibit A. The structures requiring abatement and demolition are in fair to good condition. These structures contain Hazardous Substances. Contractor shall locate all Hazardous Substances that exist at the Job Site (including hazardous building material, contents of underground storage tanks [USTs] and above ground storage tanks [ASTs], polychlorinated biphenyls [PCBs], asbestos, and all other Hazardous Substances), determine what each Hazardous Substance is (i.e., confirm waste characterization), and properly and safely abate, remove, handle, store, transport, and dispose of each Hazardous Substance (and maintain full records of each such step). All such abatement for a structure shall be completed before any demolition of that structure except to the extent that it is not practical to do so and abatement after commencement of demolition can be done properly and safely.

Contractor shall perform all Work in a manner so as to not impact (or otherwise put at risk) the normal operations of the facilities of the Green River Generating Station site, including but not limited to, those of the switchyard substation and transmission lines. Debris track off and dust will be controlled at all times especially at areas and roadways. Without limiting the foregoing, Contractor shall avoid causing excessive vibrations. Contractor shall complete all demolition above each elevation of a structure before the supporting members on the lower level of that structure are disturbed. Contractor shall not commence demolition on any structures that are clad in whole or in part with galbestos (or other Hazardous Substance containing) panels until such panels are abated.

Except as otherwise expressly provided herein, Contractor shall supply all permits, licenses, labor, supervision, materials, equipment, fuel, tools, temporary field offices, sanitary facilities, power and warehousing, and shall pay all expenses, necessary or appropriate in the performance of the Work.

The Work includes asbestos abatement, transformer removal (PCB containing and non-PCB containing), Universal Waste removal, demolition, recycling, hauling, disposal and placement of material, dust control and storm water run-off control. Contractor shall perform the Work in accordance with the Technical Specifications and drawings included and referenced herein. The Work includes general site requirements, asbestos and lead abatement, protection of selected buildings and structures, equipment demolition, and site restoration as set forth below.

The objective of the Work is to remove all structures to grade as shown on the drawing project drawing details, and to the basement level in the case of the main power block. Underground equipment rooms will be emptied of equipment and appurtenances, cleaned, and filled to grade. Measures will be taken as demolition progresses to ensure that the east wall is stabilized and preserved in its present state.

2.1 General Site Requirements

2.1.1 Meetings and Progress Reports

Refer to the Agreement and these Technical Specifications. Contractor shall communicate efficiently through the use of Work Plans and project schedule submittals. Weekly progress meetings shall be held to communicate progress against schedules and ensure stakeholder's expectations are leveled and managed. Monthly progress reporting shall include detailed progress to date, challenges, planned activities and schedule and cost performance indicators.

2.1.2 Dust Control

Contractor shall perform dust control as a component of the WORK.

Contractor shall perform dust control as specified in Technical Specifications –Temporary Environmental Controls 01 57 19.00 20 Section 3.12 Dust Control.

Contractor shall perform dust control in the Job Site as designated in the project drawings.

For all dust control within the Work, Contractor understands and acknowledges that controlling dust is of critical importance. In that regard, Contractor shall perform the Work (i) in compliance with all Applicable Laws (including, without limitation, Federal, state and local statutes, ordinances, regulations, etc.) and with the Owner's dust control plan(s) (as filed with the Air Pollution Control District of Louisville, Kentucky or other applicable agency) and air permit(s) as such plans and permits are in effect, modified, amended, supplemented, or otherwise modified from time to time (ii) in a manner such that no visible dust will leave the areas in which Work is performed (either while the Work is being performed or thereafter), and (iii) in compliance with the Technical Specifications –for the project. The foregoing requirements are cumulative, and compliance with one of the requirements shall not relieve Contractor of its obligation to comply with all of the other requirements. If Contractor believes any of the requirements are in conflict (i.e., it cannot comply with one requirement without

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violating another), Contractor shall immediately notify Owner and thereafter comply with Owner's directives on complying with the requirements.

Dust control shall include truck tire wash station, watering of Work areas, and surrounding access roads.

2.1.3 Storm Water Control

Contractor shall establish and maintain all sediment controls and storm water management, including ditches, silt fence, check dams, gravel, revegetation of disturbed areas and any other necessary controls required in these Technical Specifications and drawings, and to perform the Work.

2.1.4 Maintenance of Access Roads

Maintenance of construction access roads is incidental to the Work. On site roadways shall be maintained by the Contractor and be kept open for Owner access. The main gate will be the exclusive access/egress point for haul trucks and heavy equipment delivery.

2.1.5 Hazardous Building Materials (HBM)

In accordance with the Technical Specifications, the Agreement, local, state and federal regulations, the Contractor shall remove, package for disposal or recycling, and transport and dispose of all HBM at the Facility that is scheduled for demolition.

Contractor shall determine all quantities of HBM and their configuration within the building. Removal of all HBM will require selective demolition to gain access, scaffold systems, ladders or man-lifts. Work Plans for removal of all HBM shall include details specific to removal of each material including methods, demolition required, and the coordinated methods of removal of the myriad of HBM that will be encountered. Detailed Work Plans by floor, level, operating unit, or material specific will be required as the configuration of HBM, such as asbestos containing material (ACM) changes in how it was installed and is currently configured in the buildings.

2.1.5.1 Asbestos-Containing Building Materials

Throughout each operating unit, asbestos-containing thermal system insulation (TSI) is present. This includes but is not limited to boilers (inside and out), steam drums, condensers, turbines and ductwork over pulverizers, forced/induced draft fans, preheaters, coal storage hoppers, economizers, superheater, hot air ducts, precipitators, and piping.

Units 1-4 are predominantly insulated with various ACMs on piping, boilers, tanks, vessels, ductwork, etc. Starting at unit 3, and continuing to units 4, the use of ACMs changes from that of most all insulating materials containing asbestos, to finding differences in the use of ACM. The construction of the boilers is different in boilers 4 & 5 (Units 3 & 4), where more fiberglass or mineral wool type insulation is found. However, these are not considered asbestos free, and asbestos insulation is still found in significant quantities. Units 3 & 4 are insulated in some limited areas of piping, boilers, ductwork, and turbines with non-asbestos fiberglass or Calcium Silicate (commonly referred to as "calcil") insulation. Fiberglass insulation is easily recognizable as a non-ACM, but calcil insulation has a similar look as typical magnesia (commonly referred to as "mag") block insulation that contains

asbestos. They are both generally white, and come in both preformed pipe insulation and insulating blocks generally found on tanks and steam drums, etc. Calcil insulation is generally harder than ACM insulation and does not have long fibers running through it commonly found in magnesia block asbestos insulation. Calcil also has distinctive machining markings on the outer surface that asbestos inspectors and asbestos abatement workers commonly recognize as calcil and assume no asbestos.

Below is a condensed grouping and summary of the ACM and presumed ACM (PACM) found at Green River. It is the contractor's responsibility to determine all quantities for removal prior to demolition. Contractor shall assume that pipe insulation that appears to be non-asbestos calcil is actually asbestos containing. Other areas where fiberglass insulation or fiberglass blankets were found, residual asbestos insulation was found underneath.

Removal of all insulation shall be required prior to final cleaning operations and obtaining clearance for demolition of all areas of all buildings.

ACMs at the Facility include but are not limited to:

- 1.) Thermal System Insulation (TSI), black asphaltic mastic over asbestos insulation, approximately 4"-5" thick, with chicken wire wrapping on air ducts to heaters and burners.
- 2.) TSI, black asphaltic mastic over asbestos insulation, approximately 4"-5" thick, with chicken wire wrapping.
- 3.) TSI insulation, 3" thick on fans, insulated ductwork, and boiler heaters.
- 4.) TSI insulation, 3"-5" thick on heater tanks, hoppers, valves, etc...
- 5.) TSI insulation, 3"-5" thick on deaerator tanks.
- 6.) Friable rope gaskets on boiler inspection doors (square and oval).
- 7.) TSI insulation located inside drum tanks.
- 8.) Interior window glazing/putty located on the window panes of all interior windows, all sizes and all areas.
- 9.) Cement asbestos board panels and subcomponent boards in electrical junction boxes, switches, MCC and switchgear boxes.
- 10.) White caulk located between metal wall panels.
- 11.) Flex connectors located on vent ducts.
- 12.) Black coating on turbine lids, including turbine lids that are unattached.
- 13.) Mastic located under blue vinyl covebase in the office area.
- 14.) Mastic associated with 12" x 12" floor tile, gray with gray and tan streaks,

- 15.) Elevator brake shoes on elevator hoist units, elevator room and elevators.
- 16.) TSI pipe insulation on 3"-5" outside diameter pipes.
- 17.) TSI pipe insulation on 5"-10" outside diameter pipes.
- 18.) TSI pipe insulation on 10"-20" outside diameter pipes.
- 19.) TSI pipe insulation on 24"-48" outside diameter pipes.
- 20.) TSI pipe insulation on >48" outside diameter pipes.
- 21.) Residual TSI insulation on turbine 3 and 4 crossovers.
- 22.) Residual TSI insulation on various tanks, hoppers, and piping sizes and insulation configurations throughout. It was confirmed that "newer" non ACM insulation was installed after the originally installed TSI ACM was removed.
- 23.) Concrete asbestos board.
- 24.) Cement conduit covers and high heat conduit on exterior transformers
- 25.) Forced induction fan gaskets on exterior fan unit
- 26.) Pipe elbows on non-ACM insulated line of the exterior forced induction fan.
- 27.) Expansion joint compound on exterior concrete.
- 28.) Various sealants and caulks.
- 29.) Galbestos panels and associated sealants.
- 30.) Parapet flashing, galbestos parapet cap and associated caulking and sealants.
- 31.) Exterior ACM piping, various sizes.
- 32.) Woven wire sheathing throughout.
- 33.) Gaskets including rope type, flange, spun, matte, etc. throughout. These gaskets are located on ductwork, piping, equipment, pumps, boiler openings and may be under insulation throughout the facility.
- 34.) Expansion joints with friable brown asbestos packing material according to original construction details, expansion joints at ductwork for exhaust gasses are reported to be sealed, but with the expansion joint is a packed ACM. The material is expected to be welded between metal walls of ductwork at the expansion joints throughout.
- 35.) TSI Mixtures of packing cement at burner to boiler connections. Packing material labelled on original plan drawing as "Thermolith" or ""A" mix. These mixtures are presumed

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- ACM. These materials will likely require cutting of boiler skin or removal of burners to access during abatement.
- 36.) Assumed ACM packing at all metal joints associated with the turbine and boiler structures. This packing is expected to have been applied to all joints where the turbine shell is assembled.

2.1.5.2 Lead Paint Chip Sampling

OSHA considers any detectable concentration of lead to be a potential hazard during construction/demolition activities. Contractor shall assume that all painted coatings within all buildings to contain at least minimum detectable levels of lead. Contractor shall incorporate into the Work Plan for abatement and demolition, procedures to ensure that all employees are kept safe and do not exceed the permissible exposure limit with appropriate respiratory protection. Contractor shall also assume that lead paint will be comingled with all waste and thus included in waste characterization testing.

2.1.5.3 Treatment of Lead Containing Paint on Concrete and Brick to be used as Fill

Elevated concentrations of lead are found in various paints throughout the plant. Understanding that the lead paint, if remaining on concrete or brick during demolition, could potentially leach lead if the material were to remain onsite. Contractor shall ensure that paint is either removed from brick or concrete, prior to demolition, or is treated to ensure that no lead leaches from the paint using a phosphate based treatment material that is designed to bind the lead and allow for TCLP testing to pass land disposal criteria.

2.1.5.4 Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM)

Contractor shall be required to conduct field screening and additional waste characterization of fly ash, bottom ash, and boiler brick during demolition of the Work.

2.1.5.5 Universal Wastes

Contractor shall determine quantities of all Universal Wastes and Regulated wastes that will require handling during the Work. Universal Wastes and other Regulated wastes include but are not limited to:

- 1. Light ballasts
- 2. Mercury containing light tubes
- 3. High intensity discharge or high pressure sodium fixtures
- 4. Halogen lighting fixtures
- 5. Compact fluorescent light bulbs
- 6. Emergency exit signs (tritium)
- 7. Large capacity emergency batteries in battery rooms
- 8. Cathode Ray Tube (CRT) monitors
- 9. PCB capacitors

- 10. Various batteries for emergency lighting, backup alarms, 18V, 6V, and 12V backup and power drill batteries, concrete saws, smoke detectors, etc.
- 11. Mercury containing; pressure switches, switches, thermostats
- 12. Various sizes of air conditioning units
- 13. Various types of fire extinguishers
- 14. Drinking water fountains with compressors
- 15. Refrigerators with CFC
- 16. Miscellaneous cleaning and maintenance liquids
- 17. Residual gearbox oils, other lubricating and cooling liquids associated with equipment

Contractor shall remove all Universal Wastes prior to demolition and reference section 02 84 16.

2.1.5.6 Caulking

PCBs were not identified in various caulking throughout the Facility. Contractor shall conduct appropriate waste characterization and develop Work Plans to manage bulk PCB waste throughout the Work.

2.1.5.7 Transformers

Units 1 through 4 neutral ground transformers have not been drained.

2.1.5.8 Coal Residuals

Contractor shall determine extent of coal dust in equipment, around and in the coal yard structures and in and around railroad ballast as well as any other areas within the Job Site. Contractor shall remove and dispose of all coal ash prior to demolition.

2.1.6 Demolition

The Work set forth in this equipment demolition section shall be in accordance with drawings referenced in the agreement.

The Work shall include but not be limited to demolition of the following main structures and all associated minor structures unless specifically listed for protection.

Contractor shall:

- a. Demolish Green River Units 1-4. Contractor shall remove equipment, piping, etc. and recycle and dispose of as appropriate. Contractor shall cut down small concrete support pedestals to be even with the floor. Contractor shall fill the basement equipment corridor and room according to the Technical Specifications.
- b. Demolish powerhouse building including shop, office and units 1 through 4. Contractor shall preserve basement floor and walls according to modifications details. Contractor shall abandon piping, conduit and duck banks in the remaining building foundation walls as shown on the drawings and within the technical specifications. Contractor shall use flowable fill to bring all depressions, sumps, drains, trenches, etc. up to elevations shown in the basement of the main power block and on drawings.

- c. Demolish Acid Tank with Berm to concrete pad. Contractor shall remove all equipment, storage structures, piping, etc. in this area and dispose of/recycle as appropriate.
- d. Demolish Hydrogen Rack to concrete pad. Contractor shall remove all equipment, piping, etc. and dispose of/recycle as appropriate.
- e. Demolish Fuel Shed to concrete pad . Contractor shall remove electrical and other equipment and dispose/recycle as appropriate.
- f. Demolish CEMS Shelter to concrete pad. Contractor shall remove electrical and other equipment and dispose/recycle as appropriate.
- g. Remove, destroy, recycle and properly dispose of transformers throughout the Job Site .
- h. Demolish all stacks and ducts.
- Demolish water trailers, tank, electrical and interconnecting piping and all miscellaneous equipment to slab. Abandon underground structures and void spaces as described in the Technical Specifications Section.. Contractor shall fill underground voids with flowable or granular fill material
- j. Provide bulkheads and Grout fill discharge tunnel structures below the plant foundation per Technical Specification and Drawings. Contractor shall plug and grout discharge tunnel per project drawing. Contractor must keep existing stormwater outfall portion of the discharge tunnel operational at all times.

The Work shall include but not be limited to **protection** of the following:

- a. Training Building. Contractor shall protect structure and all appurtenances to maintain operation.
- b. UN Building.
- c. Wells
- d. 161 KV Switchyard, 138 KV Switchyard, and 69 KV Switchyard as indicated on drawings.
- e. Owner Parking and Trailer site
- f. Ash pond drainage piping
- g. Stormwater basin
- h. Access roads and designated parking areas
- i. Outfall structure at the river bank

2.2 Building Penetrations and Fill

Multiple equipment rooms, underground concrete tanks and stairways require filling to grade by Contractor after equipment is removed by Contractor.

2.2.1 Fill

Contractor shall place fill and/or flowable fill, per the Technical Specifications Section 31 23 01. The areas requiring subsurface fill are indicated on the project specifications and drawings. If any material is dumped in unauthorized areas or outside designated limits, Contractor shall remove the material and restore the area to the condition of the adjacent undisturbed areas.

SECTION 01 11 00

SUMMARY OF WORK

PART 1 GENERAL

1.1 Submittals

Submit and file all project plans and submittals subordinate to one (1) of the six (6) relevant Work Plans referenced in the Agreement.

- 1. Job Site Coordination Plan.
- 2. Safety and Proper Performance Plan.
- 3. Temporary Facilities Plan.
- 4. Environmental Control Plan.
- 5. Hazardous Substances Management Plan.
- 6. Solid Waste Management Plan.

Submit the previously mentioned Work Plans within 30 Days of the Effective Date. Do not begin Work until the Owner has approved the relevant Work Plan. At such time during the execution of Work that differing conditions are encountered requiring changes to the Work Plans, accordingly and subsequently amend the Work Plans for approval by the Owner.

Submit each item in this Technical Specification in accordance with the Technical Specification 01 33 00 - Submittal Procedures.

1.2 Work Covered by Contract Documents

1.2.1 Project Description and Location

Perform the following: Abatement and demolition of the Pineville Generating Station (the Facility) as more specifically described in these Technical Specifications (hereinafter referred to as the "Work" and defined in the Agreement).

The Facility is located approximately 4.5 miles west of Pineville in Bell County, Kentucky at 36° 47′ 50.66″ latitude and 83° 45′ 31.85″ longitude. The elevation at the Facility averages 1010 feet above mean sea level. The Facility main structure and ancillary buildings are east of the Cumberland River. The Pineville Operations Center is adjacent to the Facility to the east with the switchyard located to the northeast.

The Facility, which was constructed in 1924 has been shut down since 2001. The original boilers have been removed and there is only one (1) existing boiler, known as Unit 3, present. The first two units historically had a total of six (6) boilers, and it appears that the boilers, turbines, stacks and most piping has been removed. The existing Unit 3 has a boiler with fan units on the main level of the Facility. The boiler has an electrostatic precipitator which

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Attachment to Response to KIUC-1 KU Question 41(b)

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Pineville – Station Final Closure Project Exhibit A – TECHNICAL SPECIFICATIONS Procurement and Construction Agreement Section 01 11 00 – Summary of Work

the course of the Work.

is partially removed and sits on the east side of the building. The stack for Unit 3 has been partially demolished and is located on the roof over the boiler. Ancillary buildings consist of a screen house which is located adjacent to the Cumberland River and a two-story spare parts building which is located on the south side of the Facility main plant. The crusher building and aboveground conveyer structures have been removed. The switchyard remains in operation during the demolition and is in close proximity to the main powerblock building. The north and east walls of the main powerblock building serve as the floodwall on the

Based on available records, the underground storage tanks at the Facility have been closed in place through backfilling with concrete.

Cumberland River to protect the switchyard. This protection must be maintained throughout

Coordinate with other ongoing activities on the Job Site that are occurring concurrently.

PART 2 DESCRIPTION OF WORK

Exhibit A, including **Appendices A and B**, comprise the Technical Specifications and drawings, respectively. The Contractor is obligated to perform the Work in full compliance with the Project Requirements including these Technical Specifications and drawings. The provisions of these Technical Specifications and drawings are not intended to be a substitute for or in any way diminish the Project Requirements. If the Project Requirements require more or different Work than set forth in these Technical Specifications and drawings, also perform such Work. If any of the provisions of these Technical Specifications and drawings is inconsistent with (i.e., not permitted under) any of the Project Requirements, notify the Owner to that effect and the Owner amends the Technical Specifications and/or drawings to eliminate the inconsistency. Neither such amendment, nor any other differences between these Technical Specifications, drawings, and the other Project Requirements constitutes an Excusable Event, a Change Order, or otherwise entitles Contractor to any adjustment.

This description of Work is an overview of the Work and is subject to the more detailed Technical Specifications of Exhibit A. The structures requiring abatement and demolition are in fair to good condition. These structures contain Hazardous Substances. Locate all Hazardous Substances that exist at the Job Site (including hazardous building material, polychlorinated biphenyls [PCBs], asbestos, and all other Hazardous Substances), determine what each Hazardous Substance is (i.e., confirm waste characterization), and properly and safely abate, remove, handle, store, transport, and dispose of each Hazardous Substance (and maintain full records of each such step). Complete all such abatement for a structure before any demolition of that structure except to the extent that the abatement is not practical to do so and abatement after commencement of demolition can be performed properly and safely.

Perform all Work in a manner so as to not impact (or otherwise put at risk) the normal operations of the facilities adjacent to the Facility site, including, but not limited to, those of the Pineville Operations Center, switchyard, and transmission lines. Control debris tracking off the Job Site and dust at all times especially at Work areas and roadways. Without limiting the foregoing, avoid causing excessive vibrations. Complete all demolition above each

Attachment to Response to KIUC-1 KU Question 41(b)

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Pineville – Station Final Closure Project Exhibit A – TECHNICAL SPECIFICATIONS Procurement and Construction Agreement Section 01 11 00 – Summary of Work

elevation of a structure before the supporting members on the lower level of that structure are disturbed. Do not commence demolition on any structures that are clad in whole or in part with galbestos (or other Hazardous Substance containing) panels located on the conveyer floor until such panels are abated.

Except as otherwise expressly provided in this Technical Specification, supply all permits, licenses, labor, supervision, materials, equipment, fuel, tools, temporary field offices, sanitary facilities, power and warehousing, and pay all expenses, necessary or appropriate in the performance of the Work.

The Work includes asbestos abatement, transformer removal, universal waste removal, demolition, grouting and/or filling of voids, foundations, and basements, recycling, hauling, disposal and placement of material, dust control, and storm water run-off control. Reportedly oils have been drained from equipment and no PCB containing oils are expected to be present; however, if encountered, characterize and manage oils appropriately. Perform the Work in accordance with the Technical Specifications and drawings included and referenced in this Technical Specification. The Work includes general site requirements, asbestos and lead abatement, protection of selected buildings and structures, equipment demolition, and site restoration as discussed in the following narrative.

The objective of the Work is to remove the structures to grade that are designated for removal on the project drawings. Remove and backfill the basement level of the main power block building, screen house, and booster pump building as shown on the grading detail sheets. Empty underground equipment rooms of equipment and appurtenances, clean, and fill to grade. Take measures as demolition progresses to ensure that the north and east wall of the main plant remain in place up to the elevation of the existing, adjacent levee and are stabilized and preserved in their present state until replaced by a new berm acting as the levee.

2.1 General Site Requirements

2.1.1 Meetings and Progress Reports

Refer to the Agreement and these Technical Specifications. Communicate efficiently through the use of Work Plans and project schedule submittals. Hold weekly progress meetings to communicate progress against schedules and ensure stakeholder's expectations are leveled and managed. Include in the monthly progress reporting detailed progress to date, challenges, planned activities and schedule and cost performance indicators.

2.1.2 <u>Dust Control</u>

Perform dust control as a component of the Work.

Perform dust control as specified in Technical Specification 01 57 19.00 20 –Temporary Environmental Controls, Paragraph 3.13 - Dust Control.

Perform dust control on the Job Site as designated in the Project drawings.

For all dust control within the Work, the Contractor understands and acknowledges that controlling dust is of critical importance. In that regard, perform the Work (i) in compliance

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with all Applicable Laws (including, without limitation, Federal, state and local statutes, ordinances, regulations, etc.), (ii) in a manner such that no visible dust leaves the areas in which the Work is performed (either while the Work is being performed or thereafter), and (iii) in compliance with the Technical Specifications for the Project. The foregoing requirements are cumulative, and compliance with one (1) of the requirements does not relieve the Contractor of the Contractor's obligation to comply with all the other requirements. If the Contractor believes any of the requirements are in conflict (i.e., the Contractor cannot comply with one (1) requirement without violating another), immediately notify the Owner and thereafter comply with the Owner's directives on complying with the requirements.

Dust control includes truck tire wash station and watering of Work areas and surrounding access roads.

2.1.3 Storm Water Control

Establish and maintain all sediment controls and storm water management, including ditches, silt fence, check dams, gravel, revegetation of disturbed areas and any other necessary controls required in these Technical Specifications and drawings and to perform the Work.

2.1.4 Maintenance of Access Roads

Maintenance of construction access roads is incidental to the Work. Maintain the onsite roadways and be keep open for the Owner's access. The main gate is the exclusive access/egress point for haul trucks and heavy equipment delivery.

2.1.5 <u>Hazardous Building Materials (HBM)</u>

In accordance with the Technical Specifications, the Agreement, local, state and federal regulations, remove, package for disposal or recycling, and transport and dispose of all HBM at the Facility that is scheduled for demolition.

Determine all quantities of HBM and the HBM's configuration within the building. Removal of all HBM requires selective demolition to gain access, scaffold systems, ladders or manlifts. Work Plans for removal of all HBM includes details specific to removal of each material including methods, demolition required, and the coordinated methods of removal of the myriad of HBM that are encountered. Detailed Work Plans by floor, level, operating unit, or material specific are required as the configuration of HBM, such as asbestos containing material (ACM) changes in how the ACM was installed and is currently configured in the buildings.

2.1.5.1 Asbestos-Containing Building Materials

The building contains floor space for the former removed operating units (called Pineville Original, or PO for original portions of the building). Floors, which are primarily open or used for storage include the condenser pit, the basement level, the operating level and the conveyer level (1034 feet for the original portion of the building). The office area and control room are in the original part of the building on the operating level (1014 feet). The existing boiler and turbine are in Unit 3 (U3) which is in a newer section of the building which contains

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a basement level, operating level and upper mezzanine levels, plus a concrete conveyor floor (1070 feet).

The older part of the building where Unit 1 and Unit 2 were historically located are, for the most part, empty. There is some residual piping insulated with asbestos-containing thermal system insulation (TSI). In addition to removing the original boilers, the power system in Unit 3 has been updated and much of the asbestos-containing thermal system insulation (TSI) has been removed. While there were pipe runs and some equipment found with ACM insulation, it appears that the boiler, turbine, fan units and pulverizers have been abated and are now covered with newer metal clad over fiberglass insulation. In addition, some of the exterior equipment has been removed and is no longer present, including much of the equipment associated with the precipitator. Access cuts were made in the wall of the existing boiler, both on the main level and at the burner level (1026 feet). While the upper levels of the boiler are insulated with blocks of calcium silicate (commonly referred to as "calsil") insulation (confirmed non-ACM with a total of four (4) samples at various levels), the burner level contains mineral wool insulation behind the boiler skin. Calsil was also found on pipe runs throughout Unit 3. Metal clad material was removed from the walls of the boiler and the pulverizers in the basement to inspect for residual insulation. Very little residual insulation was found under newer non-ACM insulation; however, one sample collected under the fiberglass insulation on the pulverizers revealed ACM containing residual insulation.

In addition, there was variation in results for cement asbestos board (CAB) sampled throughout the Facility. In some cases, suspect boards that looked similar had differing results. It will be difficult to distinguish between CAB which is ACM versus CAB which is non-ACM based on visual inspection alone. Rather than sample all suspect CAB, Amec Foster Wheeler recommends that all CAB be treated as an ACM.

It should also be noted that vermiculite insulation was found in the concrete block walls of the laboratory and office area located on the main floor in the former boiler area for Units 1 and 2. This vermiculite insulation was tested for asbestos and found to be negative and therefore is not included in the list of ACMs presented in the following narrative.

A condensed grouping and summary of the ACM and presumed ACM (PACM) found at the Facility is presented in the following list. The Contractor's responsibility includes determining all quantities for removal prior to demolition. The Contractor assumes that pipe insulation that appears to be non-asbestos, e.g. calcil, is actually asbestos containing. Other areas where fiberglass insulation or fiberglass blankets were identified, residual asbestos insulation was found underneath.

Removal of all insulation is required prior to final cleaning operations and obtaining clearance for demolition of all areas of all buildings.

ACMs at the Facility include, but are not limited to, the following:

- 1.) Filler material around metal jacketed openings, small tube boiler stored in original section of the building (main plant floor).
- 2.) Fibrous heat shield wrap on pipe near Unit 3 deaerator tank.

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- 3.) Friable rope gaskets on boiler inspection doors (square and oval).
- 4.) Interior window glazing/putty located on the window panes of all interior windows, all sizes and all areas including original skylight windows on the roof of the main building.
- 5.) Cement asbestos board panels and subcomponent boards in electrical junction boxes, switches, MCC and switchgear boxes, and also located throughout the control room, controls for equipment located in the basement electrical rooms, and in the lab
- 6.) Black tar around former window, basement near coal conveyer.
- 7.) Flex connectors located on vent ducts.
- 8.) Window foamboard cover system, control room.
- 9.) Roofing, flashing and caulks, all buildings, primarily built up roofing, approximately 1 -2-inches thick on average.
- 10.) Black coating on brick wall, original plant roof brick parapet wall.
- 11.) TSI pipe insulation on 3-5 inch outside diameter pipes.
- 12.) TSI pipe insulation on 5-10 inch outside diameter pipes.
- 13.) TSI pipe insulation on 10-20 inch outside diameter pipes.
- 14.) TSI pipe insulation on 24-48 inch outside diameter pipes.
- 15.) TSI pipe insulation on >48 inch outside diameter pipes.
- 16.) Residual TSI insulation on various tanks, hoppers, and piping sizes and insulation configurations throughout (including potentially existing boiler). It was confirmed that "newer" non-ACM insulation was installed after the originally installed TSI ACM was removed.
- 17.) Window sill caulk, exterior windows in Unit 3 coal conveyer.
- 18.) Galbestos panels and associated sealants.
- 19.) Woven wire sheathing throughout.
- 20.) Gaskets including rope type, flange, spun, matte, etc. throughout. These gaskets are located on ductwork, piping, equipment, pumps, boiler openings and may be under insulation throughout the facility.

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- 21.) Expansion joints with possible asbestos packing material potentially present welded between metal walls of ductwork at the expansion joints in Unit 3.
- 22.) TSI Mixtures of packing cement at burner to boiler connections. These mixtures are presumed ACM and the quantity and extent are unknown. These materials are expected to require cutting of boiler skin or removal of burners to access during abatement.
- 23.) Assumed ACM packing at all metal joints associated with the turbine and boiler structures in Unit 3. This packing is expected to have been applied to all joints where the turbine shell is assembled. The existence, exact location and extent could not be determined for this survey.

2.1.5.2 Lead Paint Chip Sampling

OSHA considers any detectable concentration of lead to be a potential hazard during construction/demolition activities. Assume that all painted coatings within all buildings to contain at least minimum detectable levels of lead. Incorporate into the Work Plan for abatement and demolition procedures to ensure that all employees are kept safe and do not exceed the permissible exposure limit with appropriate respiratory protection. The Contractor also assumes that lead paint is comingled with all waste and thus included in waste characterization testing.

2.1.5.3 Treatment of Lead Containing Paint on Concrete and Brick to be used as Fill

Elevated concentrations of lead are found in various paints throughout the Facility. Understanding that the lead paint, if remaining on concrete or brick during demolition, could potentially leach lead, if the material were to remain on the Job Site. Painted brick was sampled on a wall between the older part of the building and Unit 3 (on the main floor). While the one (1) sample collected did not contain lead above the threshold to be considered a lead-based paint (result was 0.41%); however, the Contractor is required to ensure that paint is either removed from brick or concrete, prior to demolition, or the material passes the land disposal criteria or, in the event a toxicity characteristic leaching procedure (TCLP) test fails, is treated to ensure that no lead leaches from the paint using a phosphate based treatment material that is designed to bind the lead and allow for TCLP testing to pass land disposal criteria.

2.1.5.4 Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM)

The Contractor is required to conduct field screening and additional waste characterization of fly ash, bottom ash, and boiler brick during demolition of the Work.

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2.1.5.5 Universal and Other Regulated Wastes

Determine quantities of all universal wastes and other regulated wastes that require handling during the Work. Universal wastes and other regulated wastes include, but are not limited to, the following:

- 1. Light ballasts.
- 2. Mercury containing light tubes.
- 3. High intensity discharge or high-pressure sodium fixtures.
- 4. Halogen lighting fixtures.
- 5. Compact fluorescent light bulbs.
- 6. Emergency exit signs (tritium).
- 7. Large capacity emergency batteries in battery rooms.
- 8. Cathode Ray Tube (CRT) monitors.
- 9. PCB capacitors.
- 10. Various batteries for emergency lighting, backup alarms, 18V, 6V, and 12V backup.
- 11. Mercury containing; pressure switches, switches, thermostats.
- 12. Various types of fire extinguishers.
- 13. Miscellaneous cleaning and maintenance liquids.
- 14. Residual gearbox oils, other lubricating and cooling liquids associated with equipment.

Remove all universal wastes prior to demolition as presented in Technical Specification 02 84 16 – Universal and Regulated Wastes.

2.1.5.6 Caulking

PCBs were not identified in various caulking throughout the stations. Conduct appropriate waste characterization and develop Work Plans to manage bulk PCB waste throughout the Work.

2.1.5.7 Transformers

Remove and properly dispose of all electrical transformers throughout the Job Site. Dismount and stage all transformers including bushings/insulators and/or other oil bearing electrical components and ensure their proper handling, transportation, and off-site disposal.

2.1.5.8 Coal Residuals

Determine the extent of coal dust in equipment, around and in the coal yard structures and in and around railroad ballast as well as any other areas within the Job Site. Remove and dispose of material accumulations of coal ash prior to demolition.

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2.1.6 Demolition

The Work set forth in this Equipment demolition section is in accordance with drawings referenced in the Agreement.

The Work includes, but not be limited to, demolition of the following main structures and all associated minor structures unless specifically listed for protection.

- 1. Demolish powerhouse building including shop, office and Unit 3 within the main plant building. Units 1 and 2 have been demolished in the past. Remove equipment, piping, etc. and recycle and dispose of as appropriate. Preserve the basement floor and walls according to the demolition details (Refer to Section 31 23 01 Abandonment of Foundations for construction sequencing requirements of foundation demolition). Cut down small concrete support pedestals to be even with the floor. Fill the basement equipment corridor and room according to Technical Specification 31 23 01 Abandonment of Foundations. Abandon piping, conduit, and duck banks in the remaining building foundation walls as shown on the drawings and within the Technical Specifications. Use flowable fill to bring all depressions, sumps, drains, trenches, etc. up to elevations shown in the basement of the main power block and on the drawings.
- 2. The north and east walls of the powerhouse building remains in place to elevation of the existing flood protection levee to maintain flood protection for the existing switchyards until the new levee construction is complete.
- 3. Demolish the Spare Parts Building to two (2) feet below grade. Remove all equipment, storage structures, piping, etc. in this area and dispose of/recycle, as appropriate.
- 4. Demolish the Screen House to grade elevation 1004 feet. Remove all equipment, storage structures, piping, etc. in this area and dispose of/recycle, as appropriate.
- 5. Demolish the Booster Pump Building as shown on the drawings and per the Technical Specifications. Remove all equipment, storage structures, piping, etc. in this area and dispose of/recycle, as appropriate.
- 6. Demolish the Oil/Water Separator. Remove all the equipment, abandon piping, and dispose of/recycle, as appropriate. Use flowable fill per Technical Specification 31 23 01 Abandonment of Foundation to abandon the oil/water separator in place following removal of the equipment. Bring the flowable fill up to an elevation two (2) feet below the finished grade.
- 7. Demolish the oil tank to grade. Remove the tank and other equipment and dispose/recycle, as appropriate.
- 8. Remove, destroy, recycle and properly dispose of transformers throughout the Job Site.
- 9. Demolish remaining section of the Unit 3 stack and ductwork.
- 10. Abandon underground structures and void spaces as described in Technical Specification 31 23 01 Abandonment of Foundations. Fill underground voids with flowable or granular fill material.

11. Grout fill the discharge tunnel structures below the plant foundation per Technical Specification 31 23 01 - Abandonment of Foundations. Plug and grout the discharge tunnel that leads to the Cumberland River.

The Work includes, but not be limited to, **protection** of the following:

- The Pineville Operations Center east of the Facility including the main access road off US Route 25E and the switchyard. Protect structures and all appurtenances to remain operational.
- 2. Switchyard immediately to the east of the main Facility structure.
- 3. The closed CCR Impoundment east to southeast of the Facility.
- 4. Quonset Hut.
- 5. Levee sump, sump pumps, and all appurtenances to maintain operation.
- 6. Switchyards as indicated on the drawings.
- 7. Transmission towers.
- 8. Owner parking and trailer site.
- 9. Access roads and designated parking areas.
- 10. Dam in Cumberland River.

2.2 Building Penetrations and Fill

Multiple equipment rooms, underground concrete tanks and stairways require filling to grade after equipment is removed by Contractor.

2.2.1 Fill

Place fill and/or flowable fill, per Technical Specification 31 23 01 – Abandonment of Foundation. The areas requiring subsurface fill are indicated in the Technical Specifications and drawings. If any material is dumped in unauthorized areas or outside designated limits, remove the material and restore the area to the condition of the adjacent undisturbed areas.

PART 3 SPECIFICATIONS AND DRAWINGS

3.1 Exhibit A

Exhibit A, including **Appendices A and B**, comprise the Technical Specifications and drawings, respectively. The Contractor is obligated to perform the Work in full compliance with the Project Requirements including these Technical Specifications and drawings. The provisions of these Technical Specifications and drawings are not intended to be a substitute for or in any way diminish the Project Requirements. If the Project Requirements require more or different Work than set forth in these Technical Specifications and drawings, also perform such Work. If any of the provisions of these Technical Specifications and drawings is inconsistent with (i.e., not permitted under) any of the Project Requirements, notify the Owner to that effect and the Owner amends the Technical Specifications and/or drawings to

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eliminate the inconsistency. Neither such amendment, nor any other differences between these Technical Specifications, drawings, and the other Project Requirements constitutes an Excusable Event, a Change Order, or otherwise entitles Contractor to any adjustment.

3.1.1 Appendix A: Technical Specifications

Section No.	Specification Title		
Division 00 – Procurement and Contracting Requirements			
00 01 10	Table of Contents		
00 01 15	List of Drawing Sheets		
Division 01 – General Requirements			
01 11 00	Summary of Work		
01 14 00	Work Restrictions		
01 33 00	Submittal Procedures		
01 35 26	Safety Requirements		
01 45 00	Quality Control		
01 50 00	Temporary Facilities and Controls		
01 57 19.00 20	Temporary Environmental Controls		
01 57 23	Temporary Storm Water Pollution Controls		
01 74 19	Demolition Waste Management		
Division 02 – Existing Conditions			
02 41 00	Demolition and Deconstruction		
02 66 00	Select Fill and Topsoil for Cap Cover		
02 81 00	Transportation and Disposal of Hazardous Substances		
02 82 14.00 10	Asbestos Abatement		
02 83 13.00 20	Lead in Construction		
02 84 16	Universal and Regulated Waste		
02 84 33	Removal and Disposal of Polychlorinated Biphenyls (PCBs)		
Division 22 - Plumbing			
22 01 00	Abandonment of Piping and Conduit		
Division 31 - Earthwork			
31 23 01	Abandonment of Foundations		

3.1.2 Appendix B: Drawings

Sheet No.	Drawing No.	Sheet Title
1	PV0-C-00039	Cover Sheet
2	PV0-C-00040	Index Sheet and Legend
3	PV0-C-00041	Civil General Notes
4	PV0-C-00042	Site Demolition Layout
5	PV0-C-00043	Site Grade Layout
6	PV0-C-00044	Levee Layout and Sections
7	PV0-C-00045	Old Unit Elevation View
8	PV0-C-00046	Unit 3 Elevation View
9	PV0-C-00047	Elevation Cross-Section - Typical
10	PV0-C-00048	Grading Detail
11	PV0-C-00049	Erosion and Sediment Control
12	PV0-C-00050	Photographic Log Sheet 1
13	PV0-C-00051	Photographic Log Sheet 2
14	PV0-C-00052	Photographic Log Sheet 3
15	PV0-C-00053	Civil Detail

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SECTION 01 11 00

SUMMARY OF WORK

PART 1 GENERAL

1.1 Submittals

Submit and file all project plans and submittals subordinate to one (1) of the six (6) relevant Work Plans as referenced in the Agreement.

- 1. Job Site Coordination Plan.
- 2. Safety and Proper Performance Plan.
- 3. Temporary Facilities Plan.
- 4. Environmental Control Plan.
- 5. Hazardous Substances Management Plan.
- 6. Solid Waste Management Plan.

Submit the previously mentioned Work Plans within 30 Days of the Effective Date. Do not begin Work until the Owner has approved the relevant Work Plan. At such time during the execution of Work that differing conditions are encountered requiring changes to the Work Plans, accordingly and subsequently amend the Work Plans for approval by the Owner.

Submit each item in this Technical Specification in accordance with the Technical Specification 01 33 00 - Submittal Procedures.

1.2 Work Covered by Contract Documents

1.2.1 Project Description and Location

Perform the following: Abatement and demolition of the Tyrone Generating Station (the Facility) as more specifically described in these Technical Specifications (hereinafter referred to as the "Work" and defined in the Agreement).

The Facility is located approximately three (3) miles east of Lawrenceburg in Woodford County, Kentucky at 38° 02' 52.9" latitude and 84° 50' 54.2" longitude. The elevation at the Facility averages 530 feet above mean sea level. The Facility main structure and ancillary buildings are east of the Kentucky River. A switchyard is located immediately to the east of the main powerhouse building. Construction of the coal-fired power plant started in 1940 but, was interrupted by World War II. Construction was completed in 1947 and the final unit, Unit 3 was added in the mid 1950's. The main power block is configured with three (3) operating units and five (5) boilers. The first four (4) boilers are associated with Units 1 and 2, which are constructed similarly. Unit 3, which was added later, has a boiler with an electrostatic precipitator on the east side of the building. There are two stacks associated with Units 1 and 2 and a third stack associated with Unit 3. In addition to the main

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powerhouse building, there are two (2) screenhouses along the Kentucky River, a crusher house with associated subgrade and above grade conveyers, and a storage warehouse building.

In 1986 the facility submitted a Notification for Underground Storage Tanks (USTs) to the Kentucky Division of Waste Management (KDWM). The notification listed the presence of four (4) steel USTs installed in 1947 to include: a 14,000-gallon tank used to store diesel, a 2,000-gallon tank used to store diesel, a 2,000-gallon tank used to store kerosene, and a 1,000-gallon tank used to store diesel. In 1989, the Facility submitted an amended notification asking for the 14,000-gallon UST to be removed from the list of regulated tanks since this tank was used as an exempt heating oil tank to store No. 2 fuel oil. Also, in 1989, a notification was submitted for removal of the remaining three (3) regulated tanks. In the letter, the 2,000-gallon tank used to store kerosene was noted as containing gasoline, not kerosene. According to an inspection performed by KDWM during removal, the tank pit was located on the west side of the coal conveyer system, between the conveyer and a coal pile located further to the west; however, based on the closure report submitted by ATC Associates, Inc., the tank pit was located on the east side of the coal conveyor between the conveyor and a coal pile located further to the east. Removal of the three (3) USTs received closure on April 20, 1990 based on samples collected during removal.

Two (2) aboveground storage tanks (ASTs), which are 50,000 gallons, each formerly stored fuel oil used to heat the building. Both tanks were emptied and cleaned on May 13, 2013.

The switchyard will remain in operation during the demolition project and is in close proximity to the main powerblock, precipitators and ancillary buildings. Other projects including closure of ash ponds will be ongoing during abatement and demolition.

Coordinate with other ongoing activities on the Job Site that are occurring concurrently.

PART 2 DESCRIPTION OF WORK

Exhibit A, including **Appendices A and B**, comprise the Technical Specifications and drawings, respectively. The Contractor is obligated to perform the Work in full compliance with the Project Requirements including these Technical Specifications and drawings. The provisions of these Technical Specifications and drawings are not intended to be a substitute for or in any way diminish the Project Requirements. If the Project Requirements require more or different Work than set forth in these Technical Specifications and drawings, also perform such Work. If any of the provisions of these Technical Specifications and drawings is inconsistent with (i.e., not permitted under) any of the Project Requirements, notify the Owner to that effect and the Owner amends the Technical Specifications and/or drawings to eliminate the inconsistency. Neither such amendment, nor any other differences between these Technical Specifications, drawings, and the other Project Requirements constitutes an Excusable Event, a Change Order, or otherwise entitles Contractor to any adjustment.

This description of Work is an overview of the Work and is subject to the more detailed Technical Specifications of Exhibit A. The structures requiring abatement and demolition are in fair to good condition. These structures contain Hazardous Substances. Locate all

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Hazardous Substances that exist at the Job Site (including hazardous building material, polychlorinated biphenyls [PCBs], asbestos, and all other Hazardous Substances), determine what each Hazardous Substance is (i.e., confirm waste characterization), and properly and safely abate, remove, handle, store, transport, and dispose of each Hazardous Substance (and maintain full records of each such step). Complete all such abatement for a structure before any demolition of that structure except to the extent that the abatement is not practical to do so and abatement after commencement of demolition can be performed properly and safely.

Perform all Work in a manner so as to not impact (or otherwise put at risk) the normal operations of the adjacent facilities of the Job Site including, but not limited to, the switchyard and transmission lines. Control tracking of debris off of the Job Site and dust at all times especially at Work areas and roadways. Without limiting the foregoing, avoid causing excessive vibrations. Complete all demolition above each elevation of a structure before the supporting members on the lower level of that structure are disturbed. Do not commence demolition on any structures that are clad in whole or in part with transite and galbestos (or other Hazardous Substance containing) panels until such panels are abated.

Except as otherwise expressly provided in this Technical Specification, supply all permits, licenses, labor, supervision, materials, equipment, fuel, tools, temporary field offices, sanitary facilities, power and warehousing, and pay all expenses, necessary or appropriate in the performance of the Work.

The Work includes asbestos abatement, transformer removal (PCB containing and non-PCB containing), universal waste and other regulated wastes removal, demolition, grouting and/or filling of voids, foundations, and basements, recycling, hauling, disposal and placement of material, dust control, and storm water run-off control. Perform the Work in accordance with the Technical Specifications and drawings included and referenced in this Technical Specification. The Work includes general site requirements, asbestos and lead abatement, protection of selected buildings and structures, equipment demolition, and site restoration as discussed in the following narrative.

The objective of the Work is to remove all structures to grade as shown on the project drawing details, and to the basement level in the case of the main power block. Empty underground equipment rooms of equipment and appurtenances, clean, and fill to grade.

2.1 General Site Requirements

2.1.1 Meetings and Progress Reports

Refer to the Agreement and these Technical Specifications. Communicate efficiently through the use of Work Plans and project schedule submittals. Hold weekly progress meetings to communicate progress against schedules and ensure stakeholder's expectations are leveled and managed. Include in the monthly progress reporting detailed progress to date, challenges, planned activities and schedule and cost performance indicators.

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2.1.2 Dust Control

Perform dust control as a component of the Work.

Perform dust control as specified in Technical Specification 01 57 19.00 20 —Temporary Environmental Controls, Paragraph 3.13 - Dust Control.

Perform dust control on the Job Site as designated in the Project drawings.

For all dust control within the Work, Contractor understands and acknowledges that controlling dust is of critical importance. In that regard, perform the Work (i) in compliance with all Applicable Laws (including, without limitation, Federal, state and local statutes, ordinances, regulations, etc.), (ii) in a manner such that no visible dust leaves the areas in which the Work is performed (either while the Work is being performed or thereafter), and (iii) in compliance with the Technical Specifications for the Project. The foregoing requirements are cumulative, and compliance with one (1) of the requirements does not relieve the Contractor of the Contractor's obligation to comply with all the other requirements. If the Contractor believes any of the requirements are in conflict (i.e., the Contractor cannot comply with one (1) requirement without violating another), immediately notify Owner and thereafter comply with the Owner's directives on complying with the requirements.

Dust control includes truck tire wash station and watering of Work areas and surrounding access roads.

2.1.3 Storm Water Control

Establish and maintain all sediment controls and storm water management, including ditches, silt fence, check dams, gravel, revegetation of disturbed areas and any other necessary controls required in these Technical Specifications and drawings and to perform the Work.

2.1.4 Maintenance of Access Roads

Maintenance of construction access roads is incidental to the Work. Maintain the onsite roadways and be keep open for the Owner's access. The main gate is the exclusive access/egress point for haul trucks and heavy equipment delivery.

2.1.5 Hazardous Building Materials (HBM)

In accordance with the Technical Specifications, the Agreement, local, state and federal regulations, remove, package for disposal or recycling, and transport and dispose of all HBM at the Facility that is scheduled for demolition.

Determine all quantities of HBM and the HBM's configuration within the building. Removal of all HBM requires selective demolition to gain access, scaffold systems, ladders or manlifts. Work Plans for removal of all HBM includes details specific to removal of each material including methods, demolition required, and the coordinated methods of removal of the myriad of HBM that are encountered. Detailed Work Plans by floor, level, operating unit, or material specific are required as the configuration of HBM, such as asbestos containing material (ACM) changes in how the ACM was installed and is currently configured in the buildings.

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2.1.5.1 Asbestos-Containing Building Materials

Throughout each operating unit, asbestos-containing thermal system insulation (TSI) is present. This includes, but is not limited to, boilers (inside and out), steam drums, condensers, turbines and ductwork over pulverizers, forced/induced draft fans, preheaters, , economizers, superheater, hot air ducts, precipitators, and piping.

All Units are predominantly insulated with various ACMs on piping, boilers, tanks, vessels, ductwork, etc. Units 1 and 2 have four (4) boilers and two (2) turbines, which are all constructed similarly. Unit 3 has one (1) boiler and turbine. While the age of construction and ACM types change, all three (3) units have a significant quantity of ACM insulation. Unit 3 is insulated in some limited areas of piping, deaerator tank, ductwork, and turbines with non-asbestos fiberglass or calcium silicate (commonly referred to as "calsil") insulation. In addition, small quantities of piping below the turbines in Unit 1 and Unit 2 is metal clad calsil. Fiberglass insulation is easily recognizable as a non-ACM, but calsil insulation has a similar look as typical magnesia (commonly referred to as "mag") block insulation that contains asbestos. The fiberglass insulation and calsil are both generally white, and come in both preformed pipe insulation and insulating blocks generally found on tanks and steam drums. etc. Calsil insulation is generally harder than ACM insulation and does not have long fibers running through it commonly found in magnesia block asbestos insulation. Calsil also has distinctive machining markings on the outer surface that asbestos inspectors and asbestos abatement workers commonly recognize as calsil and assume no asbestos. In addition, paper insulation was found in all three (3) units. This paper insulation was predominately asbestos containing. There was very little non-ACM piping found throughout the Facility.

In most cases, calsil and fiberglass were found under newer metal cladding; however, it can be difficult to distinguish because some of the asbestos containing magnesia block insulation and/or asbestos containing paper insulation was also wrapped with metal covering. Additionally, there are several types of sheet metal coverings that were used on piping at the Facility. These range from smooth sheet metal, corrugated sheet metal with deep ridges and shallow ridges, and dimpled. Very little labeled asbestos was seen throughout the Facility.

During the survey, fiberglass insulation and blankets in Unit 3 was removed to find what appeared to be white residual insulation that was confirmed to contain asbestos (small quantities of residual seen on the turbine in Unit 3, deaerator tank in Unit 3 and Unit 3 induction motors on the main floor). Based on this finding, the Contractor is made aware that asbestos can be found under both fiberglass and calsil insulation throughout the Facility.

A condensed grouping and summary of the ACM and presumed ACM (PACM) found at the Facility is presented in the following list. The Contractor's responsibility includes determining all quantities for removal prior to demolition. The Contractor assumes that pipe insulation that appears to be non-asbestos, e.g. calcil, is actually asbestos containing. Other areas where fiberglass insulation or fiberglass blankets were identified, residual asbestos insulation was found underneath.

Removal of all insulation is required prior to final cleaning operations and obtaining clearance for demolition of all areas of all buildings.

Case No. 2018-00294 tachment to Resnance to KIIIC-1 KII Question 41(h)

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ACMs at the Facility include, but are not limited to, the following:

- 1. Thermal System Insulation (TSI), white insulation with chicken wire under 1/8 inch thick boiler skin, Unit 1 and Unit 2 boilers, burner level to the top of the entire boiler including drum tanks at Fan Floor, 4-5-inches thick.
- 2. TSI, white insulation with chicken wire under 1/8-inch thick boiler skin, Unit 3 boiler, burner level to the top of the entire boiler including drum tanks 4-5-inches thick.
- 3. TSI, gauze wrapped white and gray insulation with chicken wire on duct insulation on air heaters leading to former pulverizers, 4-inches thick, Unit 1 and Unit 2 basement hoppers for the four (4) boilers and on Unit 3 air heaters and ductwork.
- 4. TSI, gauze wrapped insulation, gray and brown fibrous over various tanks in Unit 1-3 (drain tank, heater tank, basement tanks), 2-3-inches thick.
- 5. TSI, yellow gauze wrapped white insulation with chicken wire, 4-inches thick on all fan floor equipment.
- 6. TSI, door insulation, white crumbly insulation, and filler material around metal jacketed openings, small tube boiler in Unit 1.
- 7. TSI with possible black asphaltic layer under turbine shells.
- 8. TSI, white skimcoat over non-asbestos cork insulation on HVAC equipment, Fan Room in Unit 1 office area.
- 9. Exciter air filters, Unit 1 and Unit 2 under turbines.
- 10. TSI, 1.5-inches thick, exterior caustic tank.
- 11. TSI, white and brown fibrous insulation with skimcoat, 3-5-inches thick, exterior air heaters and forced air induction, Unit 3.
- 12. TSI, white insulation with black asphaltic coating, 4-inches thick, Unit 3 Precipitator.
- 13. TSI, exterior piping of various sizes with mudded fittings, Unit 1-3.
- 14. Asbestos paper associated with mineral wool under galbestos siding, Exterior Unit3.
- 15. TSI pipe insulation on 3-5 inch outside diameter, Units 1-3.
- 16. TSI pipe insulation on 5-10 inch outside diameter, Units 1-3.
- 17. TSI pipe insulation on 10-20 inch outside diameter, Units 1-3.

- 18. TSI pipe insulation on 24-48 inch outside diameter, Units 1-3.
- 19. TSI pipe insulation on >48 inch outside diameter, Units 1-3.
- 20. Woven wire sheathing located throughout Units 1-3.
- 21. Gaskets including rope type, flange, spun, matte, etc. throughout Units 1 -3. These gaskets are located on ductwork, piping, equipment, pumps, boiler openings and can be under insulation throughout the Facility.
- 22. Expansion joints with possible asbestos packing material potentially present welded between metal walls of ductwork at the expansion joints throughout Units 1-3.
- 23. TSI Mixtures of packing cement at burner to boiler connections. These mixtures are presumed ACM and the quantity and extent are unknown. These materials are expected to require cutting of boiler skin or removal of burners to access during abatement.
- 24. Assumed ACM packing at all metal joints associated with the turbine and boiler structures in Units 1-3. This packing is expected to have been applied to all joints where the turbine shell is assembled. The existence, exact location and extent could not be determined for this survey.
- 25. Residual TSI insulation on various types of piping throughout Units 1-3, and under newer insulation on equipment in Unit 3 (Deaerator Tank, Turbine, Induction Motors).
- 26. Interior window glazing/putty located on the window panes of all interior windows in Unit 1, Unit 2 and Unit 3 powerhouse areas and conveyer floor, all sizes.
- 27. 9 inchx9 inch floor tile, various colors including red, black and tan, office areas of Unit 1.
- 28. Black covebase in office areas.
- 29. Cement asbestos board panel and assume subcomponent board in electrical MCC and switchgear boxes located in all units.
- 30. Cement asbestos board located in basement electrical rooms in Units 1 and 2.
- 31. Cement asbestos pipe, electrical conduit, Units 1-3 basement level.
- 32. Cement asbestos board, lab countertop, black, 1 inch thick.

- 33. White caulk located between metal wall panels (caulk is every two (2) feet between metal panels), Unit 3 North Wall.
- 34. Coating on electrical conduit, electrical rooms in Unit 1 and 2.
- 35. Asphaltic coating, condenser pit pump piping and equipment in Unit 3, plus asphaltic and black tar coating over fiberglass and foam piping, basement Unit 3.
- 36. Elevator brake shoes on elevator hoist units, elevator room and elevators, Unit 1 basement and Unit 3.
- 37. Sealants and coatings and exterior caulking, various locations throughout the exterior of the Facility.
- 38. Asphaltic coating on roof stack side vents, Unit 1 and 2 roof.
- 39. Galbestos Side Louvers Unit 1 roof.
- 40. Galbestos Vent covers, Unit 1 vents
- 41. Galbestos siding, parapet siding, cap, flashing and associated sealants, Unit 3 and coal conveyers.
- 42. Unit 1 stack firebrick and mortar.
- 43. High Heat Conduit, exterior transformers.
- 44. Corrugated transite panels, screenhouse roof and transformer covers.
- 45. Crusher House roof flashing (12-inches wide) and Unit 3 roof flashing.

2.1.5.2 Lead Paint Chip Sampling

OSHA considers any detectable concentration of lead to be a potential hazard during construction/demolition activities. Assume that all painted coatings within all buildings to contain at least minimum detectable levels of lead. Incorporate into the Work Plan for abatement and demolition procedures to ensure that all employees are kept safe and do not exceed the permissible exposure limit with appropriate respiratory protection. The Contractor also assumes that lead paint is comingled with all waste and thus included in waste characterization testing.

2.1.5.3 Treatment of Lead Containing Paint on Concrete and Brick to be used as Fill

Elevated concentrations of lead are found in various paints throughout the Facility. Understanding that the lead paint, if remaining on concrete or brick during demolition, could potentially leach lead if the material were to remain on the Job Site. Ensure that paint is either removed from brick or concrete, prior to demolition, or is treated to ensure that no lead leaches from the paint using a phosphate based treatment material that is designed to bind

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the lead and allow for toxicity characteristic leaching procedure (TCLP) testing to pass land disposal criteria.

2.1.5.4 Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM)

NORM or TENORM should be assumed to exist in the bottom ash, fly ash, and boiler brick and stack brick and refractory. The Contractor is required to conduct field screening and additional waste characterization of fly ash, bottom ash, and boiler brick during demolition of the Work.

2.1.5.5 Universal and Other Regulated Wastes

Determine quantities of all universal wastes and other regulated wastes that require handling during the Work. Universal wastes and other regulated wastes include, but are not limited to, the following:

- 1. Light ballasts.
- 2. Mercury containing light tubes.
- 3. High intensity discharge or high-pressure sodium fixtures.
- 4. Halogen lighting fixtures.
- 5. Compact fluorescent light bulbs.
- 6. Emergency exit signs (tritium).
- 7. Large capacity emergency batteries in battery rooms.
- 8. Cathode Ray Tube (CRT) monitors.
- 9. Lead vent pipes on roofs.
- 10. Biohazard sharp bins.
- 11. Paint cans.
- 12. PCB capacitors.
- 13. Various batteries for emergency lighting, backup alarms, , smoke detectors, etc.
- 14. Mercury containing; pressure switches, switches, thermostats.
- 15. Various sizes of air conditioning units.
- 16. Various types of fire extinguishers.
- 17. Various compressed gas containers (oxygen, acetylene, nitrogen carbon dioxide).
- 18. Drinking water fountains with compressors.
- 19. Refrigerators with CFC.
- 20. Miscellaneous cleaning and maintenance liquids.
- 21. Residual gearbox oils, other lubricating and cooling liquids associated with equipment.

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Remove all universal wastes prior to demolition as presented in Technical Specification 02 84 16 – Universal and Regulated Wastes.

2.1.5.6 Caulking

PCBs were not identified in various caulking throughout the stations. Conduct appropriate waste characterization and develop Work Plans to manage bulk PCB waste throughout the Work.

2.1.5.7 Transformers

Transformers are present in the basement of the power house used for lighting the power house and the site. The Contractor needs to confirm if these transformers are undrained and the methods for removal of the transformers and off-site disposal of the transformer contents.

2.1.5.8 Coal Residuals

Determine the extent of coal dust in equipment around and in the coal yard structures as well as any other areas within the Job Site. Remove and dispose of material accumulations of coal ash prior to demolition.

2.1.6 Demolition

The Work set forth in this Equipment demolition section is in accordance with drawings referenced in the Agreement.

The Work includes, but not be limited to, demolition of the following main structures and all associated minor structures unless specifically listed for protection.

- Demolish Units 1-3. Remove equipment, piping, etc. and recycle and dispose of as appropriate. Cut down small concrete support pedestals to be even with the floor. Fill the basement equipment corridor and room according to Technical Specification 31 23 01 -Abandonment of Foundation.
- 2. Demolish powerhouse building including shop, office and Units 1 through 3 within the powerhouse building. Preserve basement floor and walls according to demolition details. Abandon piping, conduit, and duck banks in the remaining building foundation walls as shown on the drawings and within the Technical Specifications. Use flowable fill to bring all depressions, sumps, drains, trenches, etc. up to elevations shown in the basement of the main power block and on the drawings.
- 3. Demolish Storage Warehouse building to two (2) feet below grade. Remove all equipment, storage structures, piping, etc. in this area and dispose of/recycle, as appropriate.
- 4. Demolish Crusher House building, Track Hopper and Hopper to two (2) feet below grade. Demolish associated crusher house conveyor, track hopper conveyor, and coal storage conveyor and abandon below grade portions per the drawings and Technical Specifications. Remove all equipment, storage structures, piping, etc. in this area and dispose of/recycle, as appropriate prior to backfill.

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5. Demolish the Unit 1 and Unit 2 Screen House and Unit 3 Screen House and associated truss bridges to the limits shown on the drawings and per the Technical Specifications. Remove all equipment, storage structures, piping, etc. in this area and

- 6. Demolish Caustic Tank, Water Tank, and Wastewater Package Plant to two (2) feet below grade. Remove above ground tanks and all equipment, abandon piping and below grade structures, and dispose of/recycle, as appropriate.
- 7. Demolish Old Fuel Oil Tank and two additional Fuel Oil Tanks to grade. Remove tanks and other equipment and dispose/recycle, as appropriate.
- 8. Remove, destroy, recycle and properly dispose of transformers throughout the Job Site.
- 9. Demolish all stacks and ducts.

dispose of/recycle, as appropriate.

- 10. Abandon underground structures and void spaces as described in Technical Specification 31 23 01 Abandonment of Foundation. Fill underground voids with flowable or granular fill material.
- 11. Grout fill discharge tunnel/piping below the plant foundation per Technical Specification 31 23 01 Abandonment of Foundation. Plug and grout the discharge tunnel/piping that leads to the Kentucky River.

The Work includes, but not be limited to, **protection** of the following:

- 1. Switchyard immediately to the east of the main powerhouse structure.
- 2. The closed CCR Impoundment northeast of the Facility.
- 3. The drainage flume running in a northeast direction from the Facility to the Kentucky River.
- Quonset Hut.
- 5. Transmission towers.
- 6. Existing potable water service line.
- 7. Owner parking and trailer site.
- 8. Access roads and designated parking areas.

2.2 Building Penetrations and Fill

Multiple equipment rooms, underground concrete tanks and stairways require filling to grade after equipment is removed by the Contractor.

2.2.1 Fill

Place fill and/or flowable fill, per Technical Specification 31 23 01 – Abandonment of Foundation. The areas requiring subsurface fill are indicated in the Technical Specifications and drawings. If any material is dumped in unauthorized areas or outside designated limits, remove the material and restore the area to the condition of the adjacent undisturbed areas.

PART 3 SPECIFICATIONS AND DRAWINGS

3.1 Exhibit A

Exhibit A, including **Appendices A and B**, comprise the Technical Specifications and drawings, respectively. The Contractor is obligated to perform the Work in full compliance with the Project Requirements including these Technical Specifications and drawings. The provisions of these Technical Specifications and drawings are not intended to be a substitute for or in any way diminish the Project Requirements. If the Project Requirements require more or different Work than set forth in these Technical Specifications and drawings, also perform such Work. If any of the provisions of these Technical Specifications and drawings is inconsistent with (i.e., not permitted under) any of the Project Requirements, notify the Owner to that effect and the Owner amends the Technical Specifications and/or drawings to eliminate the inconsistency. Neither such amendment, nor any other differences between these Technical Specifications, drawings, and the other Project Requirements constitutes an Excusable Event, a Change Order, or otherwise entitles Contractor to any adjustment.

3.1.1 Appendix A: Technical Specifications

Section No.	Specification Title						
Division 00 – Procurement and Contracting Requirements							
00 01 10	Table of Contents						
00 01 15	List of Drawing Sheets						
	Division 01 – General Requirements						
01 11 00	Summary of Work						
01 14 00	Work Restrictions						
01 33 00	Submittal Procedures						
01 35 26	Safety Requirements						
01 45 00	Quality Control						
01 50 00	Temporary Facilities and Controls						
01 57 19.00 20	Temporary Environmental Controls						
01 57 23	Temporary Storm Water Pollution Controls						
01 74 19	Demolition Waste Management						
	Division 02 – Existing Conditions						
02 41 00	Demolition and Deconstruction						
02 66 00	Select Fill and Topsoil for Cap Cover						
02 81 00	Transportation and Disposal of Hazardous Substances						
02 82 14.00 10	Asbestos Abatement						
02 83 13.00 20	Lead in Construction						
02 84 16	Universal and Regulated Waste						
02 84 33	Removal and Disposal of Polychlorinated Biphenyls (PCBs)						
	Division 22 - Plumbing						
22 01 00	Abandonment of Piping and Conduit						
	Division 31 - Earthwork						
31 23 01	Abandonment of Foundations						

3.1.2 Appendix B: Drawings

Sheet No.	Drawing No.	Sheet Title
1	TY0-C-00051	Cover Sheet
2	TY0-C-00052	Index Sheet and Legend
3	TY0-C-00053	Civil General Notes
4	TY0-C-00054	Site Demolition Layout
5	TY0-C-00055	Site Grade Layout
6	TY0-C-00056	Site Grouting Layout
7	TY0-C-00057	Units 1 and 2 Elevation View
8	TY0-C-00058	Unit 3 Elevation View
9	TY0-C-00059	Elevation Cross-Section - Typical
10	TY0-C-00060	Grading Detail
11	TY0-C-00061	Erosion and Sediment Control
12	TY0-C-00062	Photographic Log Sheet 1
13	TY0-C-00063	Photographic Log Sheet 2
14	TY0-C-00064	Photographic Log Sheet 3
15	TY0-C-00065	Discharge Tunnel Detail
16	TY0-C-00066	Fence Detail
17	TY0-C-00067	Limits of Demolition Detail

Investment and Contract Proposal for Investment Committee Meeting on: April 25, 2018

Project Name: Green River Coal Fired Assets Demolition

Contract Name: Green River Coal Fired Assets Demolition - Abatement and Demolition

Project Total Seeking IC Approval: \$16.0M

Contract Authorization Seeking IC Approval: \$13.0M (including 15% contingency)

Initial Contract Value: \$11.2M

Project Number(s): 153263

Business Unit/Line of Business: Project Engineering

Prepared/Presented By: John S. Williams

Executive Summary

The Green River (GR) Coal Fired Assets Demolition Project AIP was approved in late-2016 at a partial Project sanction of \$450k to initiate engineering surveys and the technical bidding package; this work was separate and subsequent to the partial abatement, demolition, and restoration of GR out-structures that was completed in late-2016. An authorization request is now presented to seek approval to increase the Project sanction to \$16.0M to fund the complete abatement, demolition, and restoration of the Green River Generating Station's Coal Fired Facility (Facility), similar to that done on the Paddy's Run and being done on Cane Run stations. This request also seeks approval to award the GR Abatement and Demolition Agreement (Agreement) to Brandenburg Industrial (Brandenburg) in the amount of \$13.0M, inclusive of fifteen percent (15%) management contingency.

The scope included in the Agreement award to Brandenburg comprises the abatement, demolition, and restoration of the Facility to a below grade condition. The Facility substantially includes the four (4) separate steam turbine units in the power block with a once collective rated output of approximately 250 megawatts (MW) and the three (3) steel flue gas emission stacks. The Facility foundations and other systems (i.e. underground piping, electrical ductbanks, etc.) will be removed to a depth of two (2) feet below grade, backfilled with compacted soils, and seeded for vegetation. The roadways, parking lots, and other concrete drainage trenches will remain in place.

A Request for Quotation (RFQ) was issued to five (5) bidders on January 12, 2018: Brandenburg, D.H. Griffin Wrecking, Envirocon, Recon Services, and O'Rourke Wrecking. All bidders were vetted through a thorough pre-qualification process including a financial review by the Credit Department and a safety review. During the RFQ process, Envirocon and O'Rourke Wrecking notified Project Engineering (PE) of their intent to no-bid the project. Proposals were received on February 23, 2018 and reviewed by PE and PE's Owner's Engineer, AMEC Foster Wheeler Environmental and Infrastructure (AMEC). The Agreement authorization request seeks approval to enter into a fixed price, lump sum Agreement with Brandenburg.

Beyond Brandenburg's Agreement scope, there are several balance-of-plant and other support items the Project sanction requests to fund. The air-gapping of reserve transformers currently

feeding the facility, the draining of oil from the same transformers, closing the existing oil-water-separator, and civil repairs to ensure positive drainage subsequent to demolition is not included in Brandenburg's scope of work and pricing. Also funded by Project sanction will be Owner's Engineering services and PE overhead.

The Green River Coal Fired Assets Demolition Project was included in Kentucky Public Service Commission Case Number 2016-00371 filed in November, 2016.

The total project forecast contained in the Draft 2019 Business Plan (BP) is \$16.0M; \$23.5M was included in the 2018 BP.

Background

The Facility includes four (4) separate steam turbine units in the power-block with a once collective rated output of approximately 250 MW and various support structures. The Facility was placed into service in 1950. Units 1 and 2 were retired/decommissioned in 2004 and Units 3 and 4 were retired/decommissioned in late-2015.

Subsequent to Kentucky Utilities' decommissioning the Facility, Brandenburg executed partial abatement and demolition scope in mid-2016, consisting of the removal of the following power-block appurtenances: Coal Handling and Related Conveyors, Scrubber and Scrubber Stack, Lime Silo and Silo House, and Condensate Storage and Fuel Tanks.

Alternatives Considered

1. Recommendation:

Complete Demolition

2. Alternative #1:

Do Nothing

The recommendation to complete the Facility abatement, demolition, and restoration will ensure that the Facility will not deteriorate, avoid ongoing maintenance costs, avoid further mothballing, deter vandalism/security problems, and avoid future uncertainty of scrap value.

The "Do Nothing" alternative will require ongoing maintenance to keep the Facility watertight and otherwise maintained. Mothballing of the main power-block will be required (capping of the chimneys as well as up-front roof stabilization to ensure deterioration is minimized and birds/insects do not infest). Temporary power will be required to the power-block for on-going lighting of the Facility, chimneys (FAA lighting), and sump pump operations. Theft and unauthorized building entrants create a safety liability and potential reduction in scrap assets. There is no certainty that the scrap market will maintain current levels or forecast that it will increase.

Project Description

The project includes five (5) major phases: mobilization, abatement, demolition, restoration, and demobilization. The structures contain hazardous substances that will be located (including hazardous building material, polychlorinated biphenyls [PCB], asbestos, and all other hazardous substances), and properly and safely abated, removed, handled, stored, transported, and disposed

of by Brandenburg. All abatement of a structure must be completed before any demolition of that structure can be performed properly and safely. All work will be performed so as to not impact (or otherwise put at risk) the normal operations of the remaining operating facilities at the site, including those of the switching station and transmission and distribution lines.

All hazardous substances in the structures on the job site and any other hazardous substances within the job site will be handled by Brandenburg in accordance with the hazardous substances management plan. Prior to performing any other work at the job site, temporary stormwater pollution and environmental controls will be installed.

All generation related structures on the job site will be demolished and all materials and debris from such demolition will be disposed of, except for rubble suitable for use as backfill. North, East, and West power-block foundations (including interior walls) of all such structures will be demolished to a depth of two (2) feet below the ground surface level (as such level shall exist after restoration of the job site). Due to the fluctuation of the Green River pool stage elevations, a vertical portion of the power-block's South wall (river-side wall) basement pit will remain.

All penetrations in the basement walls that will remain after demolition will be sealed. The general area of the main power house will be restored, graded and seeded/sodded to promote vegetation growth to minimize future erosion of any placed topsoil. Rip rap armoring will be installed riverside, extending to the 100-yr flood elevation.

Demobilization will occur after all hazardous substances, demolition debris, recyclable materials, construction debris, and all other waste materials are removed from the job site and properly managed/disposed.

Contract Description

The Agreement will be a lump sum (net salvage) contract in the amount of \$11.2M for performance of the work, inclusive of five (5) major phases over approximately one (1) year: mobilization, abatement, demolition, restoration and demobilization. The major milestone date is final completion (as-built drawings submitted and all work [with the exception of future work, i.e. warranty work] complete) by July 2019. The contract will be paid out in accordance with a milestone payment schedule commensurate with actual work completed. Individual milestone payments will not exceed work performed and the maximum monthly cash flow will be limited by the aggregate of the monthly milestones.

Approximately fifteen percent (15%) contract management contingency is requested to address work resulting from exposure to any unknown conditions encountered, as outlined in the "Risk of Contract" section of this document.

Additional components of the contract are listed below:

- Contractor is required to comply with all Kentucky Utilities (KU) Health and Safety Requirements.
- Termination for convenience and cause.
- Any legal action will be in the Federal District in Louisville, Kentucky, with no jury.

- The overall limit of liability is 130% of the Contract price.
- Insurance Company named as additional insured, contractor waives rights of subrogation, and general liability limits as set forth and agreeable to our consultant, USI.
 - Contract includes Environmental Liability (pollution) Insurance and Public Liability Insurance in addition to standard required insurance for certified vendors.
- Indemnity Indemnification by Contractor includes third party claims, personal injury, property damage, claims by government authorities (arising from violation of law), and claims by government authorities for taxes and liens.
- Liquidated Damages (LDs)
 - o Transmission and/or Distribution Lines on a per outage hour LD
 - o Transmission and/or Distribution Substation Outages on a per outage day LD
 - Guaranteed Final Completion delay LD
- Performance Securities Three (3) Letters of Credit totaling \$3.4M (30% of \$11.2M contract value).

Key Completion Dates:

Mobilization	June	2018
Out-structure Demolition Complete	November	2018
Asbestos Abatement Complete	January	2019
Power-block Demolition Complete	May	2019
Substantial Completion	June	2019
Final Completion	July	2019

Economic Analysis and Risks

Bid Summary

The RFQ was issued to five (5) bidders on January 12, 2018: Brandenburg Industrial, D.H. Griffin, Envirocon, Recon, and O'Rourke Wrecking. During the RFQ process, Envirocon and O'Rourke Wrecking notified PE of their intent to no bid the project.

Proposals were received on February 23, 2018 and initial bid presentation meetings were held with each bidder the week of March 19, 2018. The initial bid presentation meetings provided an opportunity for the bidders to present their proposed teams, technical offering, commercial terms, and to demonstrate their understanding of and adherence to scope, schedule and technical and commercial requirements. PE and its Owner's Engineer, AMEC, participated in the initial bid presentations. The initial cost summary is described in Table 1 below:

Table 1: Initial Cost Summary

	Competing Bids (\$ in Thousands)	
Contractor		
Original Bid Response		

A technical team, consisting of members of PE and AMEC, evaluated the three (3) proposals based on their technical and commercial offering. Key items in the initial evaluation focusing on previous experience on similar projects, safety, schedule, technical ability, execution plan, and cost.

As part of the initial evaluation process, technical proposal clarification questions were developed and issued to three (3) remaining bidders in an effort to normalize the proposals. The revised cost summary is described in Table 2 below:

Table 2: Revised Cost Summary

	Competing Bids (\$ in Thousands)	
Contractor		
BAFO		
Contract Price		

*No change from initial bid.

The final bid evaluation was completed after receiving responses to the second round of clarification questions. After an extensive review of the proposals, responses to clarification questions, technical capabilities, commercial offering, bid review meetings, and the final proposal evaluation matrix, Brandenburg was identified as the best evaluated bidder. Recon's proposed schedule is two (2) months longer than Brandenburg, Recon plans to subcontract its asbestos abatement whereas Brandenburg is self-performing, and Recon's management/site execution team has only been with Recon approximately one (1) year whereas Brandenburg will utilize the same team as executed the Paddys Run demolition project.

Brandenburg successfully completed the abatement, demolition, and restoration of the LG&E Paddys Run facility; has successfully completed the partial demolition scope at Green River; and successfully completed scrubber work as a subcontractor for Zachry at Mill Creek. Brandenburg submitted an acceptable technical proposal, an acceptable project cost and commercial terms, and provided the most favorable schedule. See Bid Evaluation spreadsheet (Attachment 1).

• Financial Summary

Table 3 below highlights the budgeted amounts as reflected in the approved 2018 BP against the contract value and milestone payments, inclusive of fifteen percent (15%) contract management contingency.

Table 3: Financial Summary Detail

Contract Expenditures (\$000)	Prior to 2018	2018	2019	Total
Contract Authority Seeking Approval	\$0	\$5,000	\$8,000	\$13,000
2018 BP (Approved)	\$0	\$4,750	\$12,900	\$17,650
2019 BP (Draft)	\$0	\$5,000	\$8,000	\$13,000
Variance to 2018 BP	\$0	(\$250)	\$4,900	\$4,650
Total Expenditures (\$000)	Prior to 2018	2018	2019	Total
Project Authorization Seeking Approval	\$300	\$5,000	\$10,700	\$16,000
2018 BP (Approved)	\$200	\$5,500	\$17,800	\$23,500
2019 BP (Draft)	\$300	\$5,000	\$10,700	\$16,000
Variance to 2018 BP	(\$100)	\$500	\$7,100	\$7,500

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Risk of Contract

The risks of the contract are as follows:

- o Weather/Schedule Inclement weather is a moderate risk to the remediation portion of the project. Per the contract, this scope of work is to be substantially completed by June, 2019. If the project were to experience extended wet weather, for which Force Majeure could be applied, additional contractor costs could be incurred.
- o Hazardous Substances Adjustment To minimize contractor risk pricing for specific hazardous substance conditions, an adjustment provision is incorporated into the Agreement for the following: Hazardous substance that is (i) held in storage containers inside any of the structures of the Facility, (ii) encountered by Contractor or a subcontractor in the soil at the Facility, or (iii) any polychlorinated biphenyls (PCB) that are located in a transformer or on or in either a transformer pad or on the side of any wall immediately adjacent to and facing a transformer pad.

Conclusions and Recommendation

It is recommended that the Investment Committee approve the Project sanction increase of the Green River Coal Fired Asset(s) Demolition project for \$16.0M as well as contract approval for the Abatement and Demolition Agreement to Brandenburg Industrial for \$11.2M with a total Agreement authorization of \$13.0M, which is inclusive of a fifteen percent (15%) contract management contingency.

Please see the attached Award Recommendation Approvals page for additional proponent and Project Engineering approvals.

Approval Confirmation for Capital Project Greater Than \$2 million and Contract Authority Greater Than or Equal to \$10 million bid, or \$2 million sole sourced:

The Capital project spending and contract authority requests included in this Investment Proposal have been approved by the members of the LKE Investment Committee. Pursuant to the LKE Authority Limit Matrix, the signatures below are also required for approval of this contract authority request.

Kent W. Blake

Chief Financial Officer

Date

Paul Thompson

Chairman, CEO and President

AWARD RECOMMENDATION APPROVALS - Attachment for IC Proposal

SUBJECT:

Project Name:

Green River Coal Fired Asset(s) Demolition

Contract Name:

Green River Coal Fired Asset(s) Demolition - Abatement and Demolition

Please see the attached Investment Proposal for information related to this contract authority request and additional approvals.

RECOMMENDATION/APPROVAL The signatures below recommend that management approve the project sanction increase of the Green River Coal Fired Asset(s) Demolition project for \$16.0M, as well as the Green River Coal Fired Asset(s) Demolition — Abatement and Demolition Agreement for an initial contract amount of \$11.2M with a total contract authorization of \$13.0M, which is inclusive of a fifteen percent (15%) contract management contingency to Brandenburg Industrial.

Manager – Major Capital Projects John S. Williams	John Huttan	Manager – Contracts, Major Capital Projects	Anthony of Kuchney
Director – Business Development Douglas Schetzel	Doughs Soleyel 5/2/2018	Anthony L. Ruckriegel Vice President – Project Engineering R. Scott Straight	05/02/2018 1/3/02/18

Note: For Contract Proposals greater than \$10 million bid, or greater than \$2 million sole sourced, additional required approvals are included as part of the attached Investment Proposal.

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Investment and Contract Proposal for Investment Committee Meeting on: August 29, 2018

Project Name: Pineville Coal Fired Asset(s) Demolition Project Name: Tyrone Coal Fired Asset(s) Demolition

Contract Name: Pineville and Tyrone Coal Fired Asset(s) Demolition - Abatement, Demolition,

and Restoration

Pineville Project Total Seeking IC Approval: \$8.4M Tyrone Project Total Seeking IC Approval: \$14.2M

Contract Authorization Seeking IC Approval: \$17.5M (including 15% contingency)

Initial Contract Value Seeking IC Approval: \$15.2M

Project Number(s): Pineville 144659

Tyrone 144660 Middlesboro 157750

Business Unit/Line of Business: Project Engineering

Prepared/Presented By: John S. Williams

Executive Summary

The Pineville (PV) and Tyrone (TY) Coal Fired Asset(s) Demolition Projects' AIPs were approved in late 2014 at partial Project Sanctions of \$450k (each) to initiate engineering surveys and develop the technical bidding package. This work is separate and subsequent to the plants' decommissioning, partial abatement, demolition, and restoration work performed prior. An authorization request is now presented to increase the project sanction to \$8.4M at PV and \$14.2M at TY to fund the complete abatement, demolition, and restoration of the PV and TY Stations' coal fired facilities, similar to that done on the Paddys Run and currently being performed at Cane Run and Green River station sites. This request also seeks contract authorization approval to award the PV and TY Abatement and Demolition Agreement (Agreement) to Brandenburg Industrial Services Company (Brandenburg) in the amount of \$17.5M, inclusive of fifteen percent (15%) management contingency.

The scope of work included in the Agreement to be awarded to Brandenburg includes the abatement, demolition, and restoration of the facilities to a below grade condition. The PV facility substantially includes one (1) remaining steam turbine unit within the powerblock (Units 1 & 2 have previously been removed), the screenhouse, and a spare parts building. A retired Kentucky Utilities warehouse in Middlesboro will also be demolished as a part of the Pineville project, due to its proximity to Pineville coupled with the associated economies and securities by pairing to this larger scope. The TY facility substantially includes three (3) steam turbine units, coal handling, one (1) electrostatic precipitator, and two (2) screenhouses. Both facilities' foundations and other systems (i.e. underground piping, electrical ductbanks, etc.) will be removed to a depth of two (2) feet below grade, backfilled with compacted soils, and seeded for vegetation. The roadways, parking lots, and other concrete drainage trenches will generally remain in place.

A Request for Quotation (RFQ) was issued to five (5) bidders on May 16, 2018, all of which chose to participate in the bid process: Brandenburg, D.H. Griffin Wrecking (DHG), Envirocon, Independence Excavation Inc. (Independence), and Remedial Construction Services, L.P. (Recon). All bidders were vetted through a thorough pre-qualification process including a financial review by the Credit Department and a safety review. Proposals were received on June 25, 2018 and reviewed by PE and PE's Owner's Engineer, Wood Environmental and Infrastructure Solutions (WOOD). The Agreement authorization request seeks approval to enter into a fixed price, lump sum Agreement with Brandenburg.

Beyond Brandenburg's Agreement scope, there are several balance-of-plant and other support items the Project sanction requests to fund at both sites. The air-gapping of reserve transformers currently feeding the facilities, the draining of oil from the same transformers, closing the existing oil-water-separators, and civil repairs to ensure positive drainage subsequent to demolition is not included in Brandenburg's scope of work and pricing. Also funded by Project sanctions will be Owner's Engineering services and PE overhead.

The Pineville and Tyrone Coal Fired Asset(s) Demolition Project was included in Kentucky Public Service Commission Case Number 2016-00371 filed in November, 2016.

The total Project Sanction forecast for Pineville and Tyrone contained in the Draft 2019 Business Plan is \$8.6M and \$11.6M, respectively.

Background

The Pineville facility construction began in 1924. Power units were added until 1954, achieving an output of 30 MW, and the facility was decommissioned in 2001. The original boilers have since been removed and there is only one (1) existing boiler, known as Unit 3, present. The first two (2) units historically had a total of six (6) boilers, and these boilers, turbines, stacks and most piping have been substantially removed. The existing Unit 3 boiler has an electrostatic precipitator which is partially removed. The Unit 3 stack, crusher building, and coal conveyor structures have been removed. Existing ancillary buildings consist of a screen house and a spare parts building. Due to proximity to Pineville, a retired Kentucky Utilities warehouse in Middlesboro will also be demolished as a part of the Pineville project.

The Tyrone facility construction began in 1940, but was interrupted by World War II. Construction was completed in 1947 and the final unit, Unit 3, was added in the mid 1950's. The main powerblock is configured with three (3) operating units and five (5) boilers. The first four (4) boilers are associated with Units 1 and 2, which are constructed similarly. Unit 3, which was added later, has a boiler with an electrostatic precipitator. There are two (2) stacks associated with Units 1 and 2 and a third stack associated with Unit 3. Ancillary structures consist of two (2) screenhouses, a crusher house with associated subgrade and above grade conveyors, a storage warehouse, an oil water separator, and above ground storage tanks.

Alternatives Considered

1. Recommendation: Complete Demolition NPVRR: \$20,855k

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2. Alternative #1:

Do Nothing

NPVRR: N/A

The recommendation to complete the PV & TY facilities' abatement, demolition, and restoration will ensure that the facilities will not deteriorate, avoid ongoing maintenance costs, avoid further mothballing, deter vandalism/security problems, greatly reduce liability for these unmanned facilities from trespassers, avoid future uncertainty of scrap value, and improve view-shed.

The "Do Nothing" alternative will require ongoing maintenance to keep the facilities watertight and otherwise maintained. Mothballing of the main powerblocks will be required (capping of the chimneys as well as roof stabilization to ensure deterioration is minimized and birds/insects do not infest). Temporary power will be required to the powerblock for on-going lighting of the facilities, and sump pump operations. This alternative also does not take advantage of the current scrap market for prepared steel, which has roughly doubled since 2015.

Project Description

The projects include five (5) major phases: mobilization, abatement, demolition, restoration, and demobilization. The structures contain hazardous substances that will be located (including hazardous building material, asbestos, and all other hazardous substances), and properly and safely abated, removed, handled, stored, transported, and disposed of by Brandenburg. All abatement of a structure must be completed before any demolition of that structure can be performed properly and safely. All work will be performed so as not to impact (or otherwise put at risk) the normal operations of the remaining operating facilities at the site, including those of the switching station and transmission and distribution lines.

All hazardous substances in the structures on the job site and any other hazardous substances within the job site will be handled by Brandenburg in accordance with the hazardous substances management plan. Prior to performing any other work at the job site, temporary stormwater pollution and environmental controls will be installed.

All structures on the job site will be demolished and all materials and debris from such demolition will be disposed of, except for rubble suitable for use as backfill. Powerblock foundations (including interior walls) of all such structures will be demolished to a depth of two (2) feet below the ground surface level (as such level shall exist after restoration of the job site). River sediment from the screenhouses and discharge structure bulkhead locations will be removed, temporarily placed in geotextile bags to dewater, and then placed into the ash pond at each respective site.

All penetrations in the basement walls that will remain after demolition will be sealed. The general area of the main powerblock will be restored, graded and seeded/sodded to promote vegetation growth to minimize future erosion of any placed topsoil.

Demobilization will occur after all hazardous substances, demolition debris, recyclable materials, construction debris, and all other waste materials are removed from the job site and properly managed/disposed.

Contract Description

Similar to the demolition agreements for Paddy's Run, Green River and Cane Run stations, the Agreement will be a lump sum (net salvage) contract in the amount of \$15.2M for performance of the work, inclusive of five (5) major phases over approximately one (1) year: mobilization, abatement, demolition, restoration and demobilization. The major milestone date is final completion (as-built drawings submitted and all work [with the exception of future work, i.e. warranty work] complete) by October 2019. The contract will be paid out in accordance with a milestone payment schedule commensurate with actual work completed. Individual milestone payments will not exceed work performed and the maximum monthly cash flow will be limited by the aggregate of the monthly milestones.

Approximately fifteen percent (15%) contract management contingency is requested to address work resulting from exposure to any unknown conditions encountered, as outlined in the "Risk of Contract" section of this document.

Additional components of the contract are listed below:

- Contractor is required to comply with all Kentucky Utilities (KU) Health and Safety Requirements.
- Termination for convenience and cause.
- Any legal action will be in the Federal District in Louisville, Kentucky, with no jury.
- The overall limit of liability is 200% of the Contract price.
- Insurance Company named as additional insured, contractor waives rights of subrogation, and general liability limits as set forth and agreeable to our consultant, USI.
 - o Contract includes Environmental Liability (pollution) Insurance and Public Liability Insurance in addition to standard required insurance for certified vendors.
- Indemnity Indemnification by Contractor includes third party claims, personal injury, property damage, claims by government authorities (arising from violation of law), and claims by government authorities for taxes and liens.
- Liquidated Damages (LDs)
 - o Transmission and/or Distribution Lines on a per outage hour LD
 - o Transmission and/or Distribution Substation Outages on a per outage day LD
 - o Guaranteed Final Completion delay LD
- Performance Securities Three (3) Letters of Credit totaling \$4.5M (30% of \$15.2M contract value).

Key Completion Dates:

Pineville:

Mobilization	September	2018
Outstructure Demolition Complete	February	2019
Asbestos Abatement Complete	January	2019
Powerblock Demolition Complete	May	2019
Completion	July	2019

Tyrone:

Mobilization	September	2018
Outstructure Demolition Complete	April	2019
Asbestos Abatement Complete	February	2019
Powerblock Demolition Complete	September	2019
Final Completion	October	2019

Economic Analysis and Risks

• Bid Summary

The RFQ was issued to five (5) contractors on May 16, 2018: Brandenburg, DHG, Envirocon, Independence, and Recon. All five (5) contractors chose to participate in the bidding. The RFQ issued to the bidders included one set of Instructions to Bidders (ITB), but contained two separate agreements that were to be responded to independently for each of the sites (PV and TY). A discount was requested from the bidders if an award were to be made to one bidder for both the PV and TY agreements.

Proposals were received on June 25, 2018 and initial bid presentation meetings were held with each bidder the week of July 9, 2018. The initial bid presentation meetings provided an opportunity for the bidders to present their proposed teams, technical offering, commercial terms, and to demonstrate their understanding of and adherence to scope, schedule and technical and commercial requirements. PE and its Owner's Engineer, WOOD, participated in the initial bid presentations. The initial cost summary is described in Table 1 below:

Table 1: Initial Cost Summary

Competing Bids (\$ in Thousands)										
Contractor										
Pineville Original Bid Response										
Tyrone Original Bid Response										
Discount for Award of Both										
Sum =							Ì			

A team consisting of members of PE and WOOD, evaluated the five (5) proposals based on their technical and commercial offering. Key items in the initial evaluation focusing on previous experience on similar projects, safety, schedule, technical ability, execution plan, and cost.

As part of the initial evaluation process, technical proposal clarification questions were developed and issued to all bidders in an effort to normalize the proposals. The revised cost summary is described in Table 2 below:

Table 2: Revised Cost Summary

Competing Bids (\$ in Thousands)								T 15 W
Contractor								
Pineville Normalized Response	اسط							
Tyrone Normalized Response								
Discount for Award of Both								
Sum =								

Brandenburg's bid summary reflects the accumulated savings of several competitively priced activities within the RFQ bid tab, versus its competitors. The most significant savings within Brandenburg's bid is the demolition activity at Pineville, where it bid \$1,500k under the next lowest cost bidder, Independence. Brandenburg proposes to use owned equipment, seasoned inhouse operators, and utilizes less on-site/home office support, resulting in overall lower costs. It is familiar with LG&E-KU safety culture and on-site Project Engineering contract management, through prior demolition projects at Paddys Run and Green River facilities.

The final bid evaluation was completed after receiving responses to the second round of clarification questions. After an extensive review of the proposals, responses to clarification questions, technical capabilities, commercial offering, bid review meetings, and the final proposal evaluation matrix, Brandenburg was identified as the best evaluated bidder.

Brandenburg successfully completed the abatement, demolition, and restoration of the LG&E facility, Paddys Run; Brandenburg is also presently performing a similar scope at the KU facility, Green River. Brandenburg submitted an acceptable technical proposal, favorable contract cost and reasonable commercial terms. See attached the Bid Evaluation spreadsheet (Attachments 1 and 2).

• Financial Summary

Table 3 below highlights the budgeted amounts as reflected in the approved 2018 BP against the contract value and milestone payments, inclusive of fifteen percent (15%) contract management contingency.

¹ Brandenburg's original bid responses did not include a lump sum price for the removal of river sediment from the screenhouses and discharge structure bulkheads.

Table 3: Financial Summary Detail

Pineville Demolition	Pre	2018	2019	Total			
Financial Detail by Year - Capital (\$M)	2018						
Capital Investment Proposed	-	-	-				
2. Cost of Removal Proposed	0.1	2.6	5.7	8.4			
3. Total Capital and Removal Proposed (1+2)	0.1	2.6	5.7	8.4			
4. Capital Investment 2018 BP	-	-	-				
5. Cost of Removal 2018 BP	0.3	4.6	3.7	8.6			
6. Total Capital and Removal 2018 BP (4+5)	0.3	4.6	3.7	8.6			
7. Capital Investment variance to BP (4-1)		- 1	-	-			
8. Cost of Removal variance to BP (5-2)	0.2	2.0	(2.0)	0.2			
9. Total Capital and Removal variance to BP (6-3)	0.2	2.0	(2.0)	0.2			

Pineville Demolition	Pre	2018	2019	Total
Financial Detail by Year - Capital (\$M)	2018			
Capital Investment Proposed	-	-	-	-
2. Cost of Removal Proposed	0.1	2.6	5.7	8.4
3. Total Capital and Removal Proposed (1+2)	0.1	2.6	5.7	8.4
4. Capital Investment Proposed 2019 BP	-	-	-	
5. Cost of Removal Proposed 2019 BP	0.1	2.6	5.9	8.6
6. Total Capital and Removal 2019 BP (4+5)	0.1	2.6	5.9	8.6
7. Capital Investment variance to BP (4-1)				
8. Cost of Removal variance to BP (5-2)			0.2	0.2
9. Total Capital and Removal variance to BP (6-3)			0.2	0.2

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Tyrone Demolition	Pre	2018	2019	Total
Financial Detail by Year - Capital (\$M)	2018			
Capital Investment Proposed	-	-	-	111/2
2. Cost of Removal Proposed	0.1	3.2	10.9	14.2
3. Total Capital and Removal Proposed (1+2)	0.1	3.2	10.9	14.2
4. Capital Investment 2018 BP	-	-	-	
5. Cost of Removal 2018 BP	0.3	4.5	6.8	11.6
6. Total Capital and Removal 2018 BP (4+5)	0.3	4.5	6.8	11.6
7. Capital Investment variance to BP (4-1)		2114,21		- -
8. Cost of Removal variance to BP (5-2)	0.2	1.3	(4.1)	(2.6)
9. Total Capital and Removal variance to BP (6-3)	0.2	1.3	(4.1)	(2.6)

Tyrone Demolition	Pre	2018	2019	Total
Financial Detail by Year - Capital (\$M)	2018			
1. Capital Investment Proposed	-	-	-	
2. Cost of Removal Proposed	0.1	3.2	10.9	14.2
3. Total Capital and Removal Proposed (1+2)	0.1	3.2	10.9	14.2
4. Capital Investment Proposed 2019 BP	-	-	-	-
5. Cost of Removal Proposed 2019 BP	0.1	2.7	8.8	11.6
6. Total Capital and Removal 2019 BP (4+5)	0.1	2.7	8.8	11.6
7. Capital Investment variance to BP (4-1)				
8. Cost of Removal variance to BP (5-2)		(0.5)	(2.1)	(2.6)
9. Total Capital and Removal variance to BP (6-3)		(0.5)	(2.1)	(2.6)

Total Contract expenses (\$M)	2018	2019	Total
Pineville - Amount requested based on contract	2.0	3.2	5.2
award estimates			
Pineville - Contingency Amount Requested	-	0.8	0.8
Tyrone - Amount requested based on contract award	2.0	8.0	10.0
estimates			
Tyrone - Contingency Amount Requested	-	1.5	1.5
Total contract authority requested	4.0	13.5	17.5

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• Risk of Contract

The risks of the contract are as follows:

- Weather/Schedule Inclement weather is a moderate risk to the remediation portion of the project. Per the contract, this scope of work is to be completed by October, 2019. If the project were to experience extended wet weather, for which Force Majeure could be applied, additional contractor costs could be incurred.
- O Hazardous Substances Adjustment To minimize contractor risk pricing for specific hazardous substance conditions, an adjustment provision is incorporated into the Agreement for the following: Hazardous substance that is (i) held in storage containers inside any of the structures of the Facility, (ii) encountered by Contractor or a subcontractor in the soil at the Facility, or (iii) any polychlorinated biphenyls (PCB) that are located in a transformer or on or in either a transformer pad or on the side of any wall immediately adjacent to and facing a transformer pad.

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Conclusions and Recommendation

It is recommended that the Investment Committee approve the Project sanction increase of the Pineville Coal Fired Asset(s) project for \$8.4M, the Tyrone Coal Fired Asset(s) project for \$14.2M, as well as contract authorization for the Abatement and Demolition Agreement to Brandenburg Industrial Services Company for \$15.2M with a total Agreement authorization of \$17.5M, which is inclusive of a fifteen percent (15%) contract management contingency.

Please see the attached Award Recommendation Approvals page for additional proponent and Project Engineering approvals.

<u>Approval Confirmation for Capital Project Greater Than \$2 million and Contract</u> <u>Authority Greater Than \$10 million bid, or \$2 million sole sourced:</u>

The Capital project spending and contract authority requests included in this Investment Proposal have been approved by the members of the LKE Investment Committee. Pursuant to the LKE Authority Limit Matrix, the signatures below are also required for approval of the capital project and contract authority spending requests.

boursigned by: Security Blake		Docusigned by: of aul Thompson 57E11AE88231AEE.	9/6/2018 6:55 PM EDT
Kent W. Blake	Date	Paul W. Thompson	Date
Chief Financial Officer		Chairman, CEO and President	

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AWARD RECOMMENDATION APPROVALS - Attachment for IC Proposal

SUBJECT:

Project Name: Pineville Coal Fired Asset(s) Demolition
Project Name: Tyrone Coal Fired Asset(s) Demolition

Contract Name: Pineville and Tyrone Coal Fired Asset(s) Demolition – Abatement,

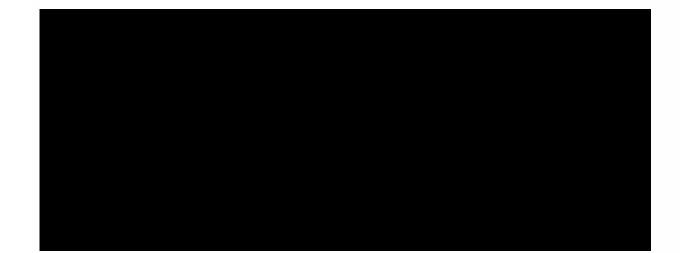
Demolition, and Restoration

Please see the attached Investment Proposal for information related to this contract authority request and additional approvals.

RECOMMENDATION/APPROVAL The signatures below recommend that management approve the project sanction increase of the Pineville Coal Fired Asset(s) project for \$8.4M, the Tyrone Coal Fired Asset(s) project for \$14.2M, as well as the Pineville and Tyrone Coal Fired Asset(s) Demolition — Abatement and Demolition Agreement for an initial contract amount of \$15.2M with a total contract authorization of \$17.5M, which is inclusive of a fifteen percent (15%) contract management contingency to Brandenburg Industrial.

Manager – Major Capital Projects John S. Williams (up to \$100,000)	Docusigned by: John Williams 05AE774F80D845D/2018 8	Manager – Contracts, Major Capital Projects 3 3 thurst Procuriegel (up to \$100,000)	Docusigned by: Tony Ruchical 840210C8D348423.9/5/2018 8:54 A
Director – Project Engineering Douglas Schetzel (\$100,001 to \$500,000)	Down Schutzel 61C91E1E80C898	Vice President – Project Engineering R. Scott Straight (\$301,00 Ftd \$2,000,000)	Docusigned by: Scott Straight F855811128924EF Docusigned by: \$1.11 P

Note: For Contract Proposals greater than \$10 million bid, or greater than \$2 million sole sourced, additional required approvals are included as part of the attached Investment Proposal.







Green River Coal Fired Station Abatement & Demolition Alternatives – White Paper

DATE: 8-Aug-16

Paper Objective – To estimate the schedule, cost, and propose issues for consideration of two (2) abatement and demolition alternatives of the retired Green River Coal Fired Facility. Alternative 1 considers a phased approach wherein the facility out-structures are demolished over the next two (2) years and the Main Power Building is mothballed. Alternative 1 further assumes the Main Power Building is demolished fifteen (15) years after being mothballed. Alternative 2 considers the demolition of the facility in a single phase, occurring over the next two (2) years.

Alternative 1: Complete the project in phased approach. The first phase shall abate, dismantle, and demolish structures outside the Main Power Building. In parallel with, or subsequent to the first phase, the Main Power Building will be mothballed. The final phase shall abate, dismantle, and demolish the Main Power Building structure and chimneys associated with the Green River Units. The restoration cross-section of the Main Power Building demolition will incorporate a sloped contour, which will be seeded, similar to the brown-field design of Paddys Run. Figure(s) 1 and 2 depict a phased approach:



Figure 1: Out-Structure Demolition (Depicted as Red Highlight)

Note: Plant to be mothballed during, or subsequent to, the out-structure demolition phase.



Figure 2: Power Building Demolition (Depicted as Red Highlight)

Note: Stacks to be demolished during this Main Power Building demolition phase.

<u>Alternative 2:</u> Perform the project in a single phase approach. The project shall abate, dismantle, and demolish structures outside the main power building as well as abate, dismantle, and demolish the main power building structure and the chimneys associated with the Green River Units. The restoration cross-section of the Main Power Building demolition will incorporate a sloped contour, which will be seeded, similar to the brown-field design of Paddys Run. Figure 4 depicts a full demolition:





Figure 4: Full Demolition (Depicted as Red Highlight)

Schedule – Alternative 1 is a phased approach wherein the out-structures are demolished at present, as well as the mothballing of the Main Power Building, while the Main Power Building is demolished in the future. Alternative 2 completes the full facility demolition in the present.

Alternative 1: Phased approach.

Out-structures demolition in 2016/2017.

Main Power Building demolition in 2031/2032.

Alternative 2: Single phase approach.

Full plant demolition in 2017/2018.

Cost Opinion – The following estimate(s) account for scrap or recycling of metals, concrete, brick; abatement of hazardous building materials; removal of above ground storage tanks; and demolition of the various buildings and structures at the site. No oversight or contingency dollars have been added to either alternative, however annual escalation of four percent (4%) has been incorporated into the demolition of Main Power Building within Alternative 1.

Alternative 1: Phased approach total cost =	<u>\$27M</u>
Phase I Out-Structure Demolition (occurs in 2016/2017) =	\$5M
Phase II Mothballing of Main Power Building (occurs in 2017) =	\$2M
Phase III Main Power Building Demolition (occurs in 2031/2032) =	\$20M

Alternative 2: Single phase approach total cost (occurs in 2017/2018) = \$13M



Items to Consider – The following identifies the pros and cons of each alternative:

Pros of Alternative 1: Complete the project in a phased approach.

- Opportunity to defer capital spend.
- Larger pool of contractors for the phased approach, particularly during out-structure demolition and mothball execution.
- The scrap market is depressed compared to 2014. The Main Power Building contains the bulk of the scrap. If the market doubles the current value for scrap, the impact of potential additional credit to the overall project is approximately \$2M.

Cons of Alternative 1: Complete the project in a phased approach.

- The project impact of separating the scopes will add General Conditions costs. Estimated at \$500k.
- On-going maintenance is required to keep the facility watertight and otherwise maintained. Estimated at \$75k/year.
- Mothballing of the Main Power Building will be required. Capping of the chimneys to ensure deterioration is minimized and birds/insects do not infest. Up-front roofing stabilization will be required. Mothballing effort is estimated at \$2M.
- Temporary power must be provided to the power-block for on-going lighting of the power house, chimneys (FAA lighting), and sump pump operations, as well as future demolition power. Estimated at \$400k in total.
- Theft and unauthorized building entrants create a safety liability and potential reduction in scrap assets.
- No certainty or forecast that the scrap market will return to pre-2014 values.

Pros of Alternative 2: Complete the project in a single phase approach.

- Avoid the project impact of separating the scopes, which will add General Conditions costs. Savings estimated at \$500k.
- Single phase approach requires no on-going maintenance costs to keep the facility watertight or otherwise maintained. Savings estimated at \$1M.
- Do not mothball the Main Power Building. Savings is estimated at \$2M.
- Temporary power would not be provided to the powerblock for on-going lighting of the power house, chimneys (FAA lighting), and sump pump operations, as well as future demolition power. Cost savings estimated at \$400k in total.
- Theft and unauthorized building entrants create a safety liability and potential reduction in scrap assets. This would be minimized by initiating demolition in the near term.

Cons of Alternative 2: Complete the project in a single phase approach.

- Loss of opportunity to defer capital spend.
- Smaller pool of contractors for a demolition project of this size.
- The scrap market is depressed compared to 2014. The Main Power Building contains the bulk of the scrap. If the market doubles the current value, the impact of potential additional credit to the overall project is approximately \$2M.

Green River Abatement & Demolition (153263)

ltem	Contract Value	Contract Authorization	Pre-2018	2018	2019	2020	2021	2022	2023	2024	Total	Remaining Contract Value	Remaining Contract Authorization
					PC Co	ntracts							
PC Agreement Demo (Brandenburg)	\$3,927,653	\$4,516,801	\$0	\$260,000	\$3,667,653	\$0	\$0	\$0	\$0	\$0	\$3,927,653	\$0	\$589,148
PC Agreement ACM (Brandenburg)	\$7,281,984	\$8,374,282	\$0	\$3,740,000	\$3,541,984	\$0	\$0	\$0	\$0	\$0	\$7,281,984	\$0	\$1,092,298
OE Services (Amec)	\$148,706	\$180,000	\$48,000	\$100,706	\$0	\$0	\$0	\$0	\$0	\$0	\$148,706	\$0	\$31,294
QAC Services	\$545,000	\$626,750	\$0	\$280,000	\$265,000	\$0	\$0	\$0	\$0	\$0	\$545,000	\$0	\$81,750
Sub Total	\$11,903,343	\$13,697,833	\$48,000	\$4,380,706	\$7,474,637	\$0	\$0	\$0	\$0	\$0	\$11,903,343	\$0	\$1,794,490
					Balance	of Plant							
Prior Balance of Plant	\$267,923	\$267,923	\$267,923								\$267,923	\$0	\$0
Civil Repairs	\$250,000	\$287,500	\$0	\$0	\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0	\$37,500
480V Supply	\$200,000	\$230,000	\$0	\$200,000	\$0	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$30,000
Oil Draining	\$50,000	\$57,500	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$7,500
OWS Flowable Fill	\$110,000	\$126,500	\$0	\$0	\$110,000	\$0	\$0	\$0	\$0	\$0	\$110,000	\$0	\$16,500
Utility Disconnects/Air Gap	\$160,000	\$184,000	\$0	\$60,000	\$100,000	\$0	\$0	\$0	\$0	\$0	\$160,000	\$0	\$24,000
											\$0	\$0	\$0
Sub Total	\$1,037,923	\$1,153,423	\$267,923	\$310,000	\$460,000	\$0	\$0	\$0	\$0	\$0	\$1,037,923	\$0	\$115,500
GR Demo Contracts Total	\$12,941,266	\$14,851,255	\$315,923	\$4,690,706	\$7,934,637	\$0	\$0	\$0	\$0	\$0	\$12,941,266	\$0	\$1,909,990
					Overheads 8	k Contingency							
Overheads @ \$80k per Month	\$1,120,000	\$1,050,000		\$340,000	\$780,000								
Remaining Project Contingency	\$1,900,000	\$0			\$1,900,000								
				-				- 1	- 1	-			
Overheads & Contingency Total	\$3,020,000	\$1,050,000	\$0	\$340,000	\$2,680,000	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Site & Project Total 2018BP (2017) Δ	\$23,500,000	\$15,901,000	\$316,000	\$5,031,000	\$10,615,000	\$0	\$0	\$0	\$0	\$0	\$12,941,000	\$0	\$1,910,000
	Business Plan	Total	Pre-2018	2018	2019	2020	2021	2022	2023	2024			
	2019 (\$M)	\$16.0	\$0.3	\$5.0	\$10.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
	2019 (\$M) 2018 (\$M)	\$23.5	\$0.3	\$5.5	\$10.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
	2018 (3Ν1)	\$7.5	(\$0.1)	\$0.5	\$7.2	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0			
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PINEVILLE ABATEMENT & DEMOLITION (144659)

ltem	Contract Value	Contract Authorization	Pre-2018	2018	2019	2020	2021	2022	2023	2024	Total	Remaining Contract Value	Remaining Contract Authorization
					PC Co	ntracts							
PC Agreement Demo (TBD)	\$2,901,015	\$2,901,015	\$0	\$400,000	\$2,501,015	\$0	\$0	\$0	\$0	\$0	\$2,901,015	\$0	\$0
PC Agreement ACM (TBD)	\$2,868,403	\$2,868,403	\$0	\$1,500,000	\$1,368,403	\$0	\$0	\$0	\$0	\$0	\$2,868,403	\$0	\$0
OE Services (Amec)	\$168,000	\$168,000	\$100,000	\$68,000	\$0	\$0	\$0	\$0	\$0	\$0	\$168,000	\$0	\$0
QAC Services (TBD)	\$360,000	\$360,000	\$0	\$150,000	\$210,000	\$0	\$0	\$0	\$0	\$0	\$360,000	\$0	\$0
Sub Total	\$6,297,418	\$6,297,418	\$100,000	\$2,118,000	\$4,079,418	\$0	\$0	\$0	\$0	\$0	\$6,297,418	\$0	\$0
Sub Total	30,237,418	30,237,418	\$100,000	32,118,000		of Plant	, 70	30	70	30	30,237,418	30	30
Civil Repairs (TBD)	\$75,000	\$75,000	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0
Utility Work (TBD)	\$75,000	\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	
Oil Draining (TBD)	\$50,000	\$50,000	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	
on branning (1887)		<i>\$30,000</i>	Ţ.	730,000	γo	Ψ	ŢŪ.	γo	70	γo	\$0	\$0	
Sub Total	\$200,000	\$200,000	\$0	\$125,000	\$75,000	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0
Total	\$6,497,418	\$6,497,418	\$100,000	\$2,243,000	\$4,154,418	\$0	\$0	\$0	\$0	\$0	\$6,497,418	\$0	\$0
					Ouerheeds 9	Contingonal							
O and an de O COOL and March	Ć4 040 000	Ć1 010 000		¢400.000		Contingency	ćo	ćo	ćo	ćo	Ć4 040 000	¢0	ćo
Overheads @ \$80k per Month	\$1,040,000	\$1,040,000		\$400,000	\$640,000	\$0	\$0	\$0	\$0	\$0 \$0	\$1,040,000	\$0	
ACM Project Contingency (30%) Non-ACM Project Contingency (5%)	\$860,000 \$220,000	\$860,000 \$220,000			\$860,000 \$220,000	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$0 \$0	\$860,000 \$220,000	\$0 \$0	
Non-ACM Project Contingency (5%)	\$220,000	\$220,000			\$220,000	\$0	\$0	\$0	\$0	ŞU		\$0	
											\$0 \$0	\$0	
Overheads & Contingency Total	\$2,120,000	\$2,120,000	\$0	\$400,000	\$1,720,000	\$0	\$0	\$0	\$0	\$0	\$2,120,000		
Site & Project Total Project Sanction (2017) Δ	\$8,617,000 \$8,600,000 (\$17,000)	\$8,617,000	\$100,000	\$2,643,000	\$5,874,000	\$0	\$0	\$0	\$0	\$0	\$8,617,000	\$0	\$0

Business Plan	Total	Pre-2018	2018	2019	2020	2021	2022	2023	2024
2019 (\$M)	\$8.6	\$0.1	\$2.6	\$5.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
2018 (\$M)	\$8.6	\$0.3	\$4.6	\$3.7	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Δ	(\$0.0)	\$0.2	\$2.0	(\$2.2)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0

TYRONE ABATEMENT & DEMOLITION (144660)

ltem	Contract Value	Contract Authorization	Pre-2018	2018	2019	2020	2021	2022	2023	2024	Total	Remaining Contract Value	Remaining Contract Authorization
					PC Coi	ntracts							
PC Agreement Demo (TBD)	\$3,263,118	\$3,263,118	\$0	\$500,000	\$2,763,118	\$0	\$0	\$0	\$0	\$0	\$3,263,118	(\$0)	(\$0)
PC Agreement ACM (TBD)	\$4,895,970	\$4,895,970	\$0	\$1,500,000	\$3,395,970	\$0	\$0	\$0	\$0	\$0	\$4,895,970	\$0	\$0
OE Services (Amec)	\$168,000	\$168,000	\$100,000	\$68,000	\$0	\$0	\$0	\$0	\$0	\$0	\$168,000	\$0	\$0
QAC Services (TBD)	\$360,000	\$360,000	\$0	\$150,000	\$210,000	\$0	\$0	\$0	\$0	\$0	\$360,000	\$0	\$0
Sub Total	\$8,687,088	\$8,687,088	\$100,000	\$2,218,000	\$6,369,088	\$0	\$0	\$0	\$0	\$0	\$8,687,088	\$0	\$0
Balance of Plant													
Civil Repairs (TBD)	\$75,000	\$75,000	\$0	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0
Utility Work (TBD)	\$75,000	\$75,000	\$0	\$75,000	\$0	\$0	\$0	\$0	\$0	\$0	\$75,000	\$0	\$0
Oil Draining (TBD)	\$50,000	\$50,000	\$0	\$50,000	\$0	\$0	\$0	\$0	\$0	\$0	\$50,000	\$0	\$0
											\$0	\$0	\$0
Sub Total	\$200,000	\$200,000	\$0	\$125,000	\$75,000	\$0	\$0	\$0	\$0	\$0	\$200,000	\$0	\$0
Total	\$8,887,088	\$8,887,088	\$100,000	\$2,343,000	\$6,444,088	\$0	\$0	\$0	\$0	\$0	\$8,887,088	\$0	\$0
					Overheads &	Contingency							
Overheads @ \$80k per Month	\$1,040,000	\$1,040,000		\$400,000	\$640,000	\$0	\$0	\$0	\$0	\$0	\$1,040,000	\$0	\$0
ACM Project Contingency (30%)	\$1,470,000	\$1,470,000			\$1,470,000	\$0	\$0	\$0	\$0	\$0	\$1,470,000	\$0	\$0
Non-ACM Project Contingency (5%)	\$250,000	\$250,000			\$250,000	\$0	\$0	\$0	\$0	\$0	\$250,000	\$0	\$0
											\$0	\$0	\$0
											\$0	\$0	\$0
Overheads & Contingency Total	\$2,760,000	\$2,760,000	\$0	\$400,000	\$2,360,000	\$0	\$0	\$0	\$0	\$0	\$2,760,000	\$0	\$0
Site & Project Total Project Sanction (2017)	\$11,647,000 \$11,600,000 (\$47,000)	\$11,647,000	\$100,000	\$2,743,000	\$8,804,000	\$0	\$0	\$0	\$0	\$0	\$11,647,000	\$0	\$0

Business Plan	Total	Pre-2018	2018	2019	2020	2021	2022	2023	2024
2019 (\$M)	\$11.6	\$0.1	\$2.7	\$8.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
2018 (\$M)	\$11.6	\$0.3	\$4.5	\$6.8	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
Δ	(\$0.0)	\$0.2	\$1.8	(\$2.0)	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0

KENTUCKY UTILITIES COMPANY

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 42

Responding Witness: Lonnie E. Bellar

- Q.1-42. Refer also to Mr. Thompson's Direct Testimony at page 16, lines 12-22, in regards to demolition costs discussed for Paddy's Run completed in the spring of 2018 as being "under budget and on time." Please provide copies of all available reports and/or variance analyses memorializing these assertions.
- A.1-42. The response to KIUC DR-1 Question 11 in Case No. 2016-00371 stated the demolition of the Paddy's Run generating station was to be completed by the end of 2017. The prime contractor was granted final completion in September 2017. The certificate of final completion is included as an attachment. The total cost, including the prime contractor, was \$22.9M compared to the 2018 business plan amount of \$24.0M.

CERTIFICATE OF FINAL COMPLETION

This constitutes the Certificate of Final Completion, as contemplated by the Asbestos / Demolition Agreement, entered into as of the 26th day of January, 2016 (the "Agreement"), by and between Louisville Gas and Electric Company, a Kentucky corporation ("LG&E") (the "Owners"), and Brandenburg Industrial Service Company, Inc., an Illinois corporation ("Contractor").

Executed on this 21st day of September, 2017 by the Companies on behalf of the Owners.

Louisville Gas and Electric Company

By: John & Williams

Title: Manager, Major Capital Projects

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 43

Responding Witness: Christopher M. Garrett

- Q.1-43. Please describe the Company's accounting for the demolition costs at Paddy's Run and other retired plants, including the FERC balance sheet and/or expense accounts used to record the costs incurred, and the expense accounts used to record the depreciation or amortization of the costs, if any. If the Company proposes to depreciate or amortize the costs, then provide the depreciation or amortization period and the rationale for the proposed period.
- A.1-43. KU's accounting for the costs incurred to demolish the retired plants will be in accordance with the guidelines prescribed in the Code of Federal Regulations 18 CFR, Chapter 1, Subchapter C, Part 101, Electric Plant Instruction 10. KU will charge Account 108 Accumulated provision for depreciation of electric utility plant for the costs to physically retire the plants, e.g. cost of removal and salvage. Accordingly, these costs should be recovered through the Company's depreciation rates as part of the net salvage component.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 44

Responding Witness: Daniel K. Arbough

Q.1-44. Please provide a quantification of the revenue requirement for the demolition of the retired plants in the test year, including all rate base/capitalization components and all operating expenses. The quantification should include all reductions in rate base/capitalization and operating expenses from savings, if any.

A.1-44. See attached.

														13-month	13-month	
Accumulated Removal Costs														Average	Average	
(108 Debits)	4/30/2019	5/31/2019	6/30/2019	7/31/2019	8/31/2019	9/30/2019	10/31/2019	11/30/2019	12/31/2019	1/31/2020	2/29/2020	3/31/2020	4/30/2020	4/30/2020	6/30/2018	
Green River	11,610,923	12,725,923	13,258,923	13,583,923	13,833,923	14,013,923	14,053,923	14,073,923	15,973,923	15,973,923	15,973,923	15,973,923	15,973,923	14,386,538	4,572,277	
Pineville	5,633,512	6,243,512	6,928,512	7,439,512	7,519,512	7,519,512	7,519,512	7,519,512	8,599,512	8,599,512	8,599,512	8,599,512	8,599,512	7,640,050	123,931	
Tyrone	7,777,525	8,387,525	9,334,525	9,845,525	9,925,525	9,925,525	9,925,525	9,925,525	11,645,525	11,645,525	11,645,525	11,645,525	11,645,525	10,251,910	125,443	
Total	25,021,960	27,356,960	29,521,960	30,868,960	31,278,960	31,458,960	31,498,960	31,518,960	36,218,960	36,218,960	36,218,960	36,218,960	36,218,960	32,278,498	4,821,651	
														13-month	13-month	
Accumulated Deferred Income														Average	Average	
Taxes (282)	4/30/2019	5/31/2019	6/30/2019	7/31/2019	8/31/2019	9/30/2019	10/31/2019	11/30/2019	12/31/2019	1/31/2020	2/29/2020	3/31/2020	4/30/2020	4/30/2020	6/30/2018	
Green River	2,942,670	3,220,863	3,353,846	3,434,934	3,497,309	3,542,219	3,552,199	3,557,189	4,031,239	4,031,239	4,031,239	4,031,239	4,031,239	3,635,186	1,778,616	
Pineville	1,417,072	1,569,267	1,740,174	1,867,669	1,887,629	1,887,629	1,887,629	1,887,629	2,157,089	2,157,089	2,157,089	2,157,089	2,157,089	1,917,703	48,209	
Tyrone	1,954,237	2,106,432	2,342,708	2,470,203	2,490,163	2,490,163	2,490,163	2,490,163	2,919,303	2,919,303	2,919,303	2,919,303	2,919,303	2,571,596	48,797	
Total	6,313,979	6,896,561	7,436,729	7,772,805	7,875,100	7,920,010	7,929,990	7,934,980	9,107,630	9,107,630	9,107,630	9,107,630	9,107,630	8,124,485	1,875,622	
														13-month	13-month	
Total Rate Base /														Average	Average	
Capitalization	4/30/2019	5/31/2019	6/30/2019	7/31/2019	8/31/2019	9/30/2019	10/31/2019	11/30/2019	12/31/2019	1/31/2020	2/29/2020	3/31/2020	4/30/2020	4/30/2020	6/30/2018	
Green River	8,668,252	9,505,060	9,905,076	10,148,989	10,336,614	10,471,704	10,501,724	10,516,734	11,942,684	11,942,684	11,942,684	11,942,684	11,942,684	10,751,352	2,793,661	
Pineville	4,216,440	4,674,245	5,188,338	5,571,843	5,631,883	5,631,883	5,631,883	5,631,883	6,442,423	6,442,423	6,442,423	6,442,423	6,442,423	5,722,347	75,722	
Tyrone	5,823,288	6,281,093	6,991,817	7,375,322	7,435,362	7,435,362	7,435,362	7,435,362	8,726,222	8,726,222	8,726,222	8,726,222	8,726,222	7,680,314	76,646	
Total	18,707,981	20,460,398	22,085,231	23,096,154	23,403,859	23,538,949	23,568,969	23,583,979	27,111,329	27,111,329	27,111,329	27,111,329	27,111,329	24,154,013	2,946,029	
																Difference / Rate
														TYE 4/30/2020	TYE 6/30/2018	Increase/(Decrease)
Total Rate Base / Capitalization														24,154,013	2,946,029	21,207,984
Rate of Return (Pretax)														9.43%	10.76%	
Return on Capitalization														2,277,723	316,875	1,960,849
Property Taxes														48,418	7,232	41,185
Annual O&M														26,616	547,415	(520,799)
Total Revenue Requirement														2,352,757	871,522	1,481,235
Kentucky Jurisdictional Factor														93,77%	89.28%	,,
Kentucky Retail Revenue Re	quirement													2,206,180	778,095	1,428,086
														,,	, , ,	, -,

Case No. 2018-00294 Attachment to Response to KIUC-1 Question No. 44 Page 1 of 1 Arbough

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 45

Responding Witness: Gregory J. Meiman

- Q.1-45. Please provide the incentive compensation expense for (a) 2016, (b) 2017, (c) the base year, and (d) the test year by incentive compensation plan and by goal or target for each plan. This includes incentive compensation expense incurred directly by the Company and the expense assigned and allocated to the Company from the Service Company.
- A.1-45. The Company has two incentive plans, the Team Incentive Award (TIA) and the Customer Services and Marketing Contact Center Incentive Plan that is charged to KU and included in its revenue requirement. The team incentive measures are re-evaluated annually. However, for the sake of completeness, the table below assumes the measures and weightings used for 2018 will apply in 2019 and 2020 as well for purposes of categorizing the TIA for the forecast test year. See the response to AG-118(a) for expenses related to Customer Services and Marketing Contact Center Incentive Plan. For the TIA plan, see table below.

Total Team Incentive Award Amount by each Goal/Target	2016	2017	Base Period	Test Period
Financial	3,687,247	-	-	-
Cost Control	-	2,130,778	1,513,672	1,556,823
Customer Reliability	-	2,130,778	1,513,672	1,556,823
Customer Satisfaction	2,111,340	1,894,972	1,513,672	1,556,823
Safety	1,872,276	1,733,033	1,513,672	1,556,823
Individual / Team Effectiveness	4,630,766	4,545,660	4,843,749	4,981,832
Total	12,301,629	12,435,220	10,898,436	11,209,123

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 46

Responding Witness: Gregory J. Meiman

- Q.1-46. Please confirm that the only incentive compensation plan available is the TIA Plan provided as Exhibit GJM-1. If not confirmed, please provide copies of all other plans available to employees.
- A.1-46. Other than the TIA Plan, the only other offering of performance based awards included in the revenue requirement is for employees working in the Customer Services Contact Center. See response to AG 1-118a.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 47

Responding Witness: Daniel K. Arbough

- Q.1-47. Provide a schedule showing per books actual O&M expenses by year and by FERC O&M/A&G expense account/subaccount for each of the calendar years 2013 through 2017, 2018 to date (identify the last month with actual data), the base year and the test year.
- A.1-47. See response to 2016-00370 PSC-1 30(b) for 2013-2014 (link below). See PSC-1 30(b) for 2015-2017 and base (including actuals through June 2018). See schedule KPSC filing requirement tab 57, schedule D-1 for the forecast period.

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Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 48

Responding Witness: Christopher M. Garrett

Q.1-48. Please provide a schedule showing all direct assignments and allocations of costs from LKS to the Company by FERC O&M, A&G, and each other account for 2014, 2015, 2016, 2017, 2018 to date (identify the last month with actual data), the base year, and the test year. Provide an explanation for each increase from year to year of at least \$1 million or 5%, whichever is less.

A.1-48. See attached.

Changes from year to year are explained for increases greater than \$1 million. For 2018 to date, the Company is providing January through June, representing the base period actuals filed in the case.

			2014	Ī		2015			Variance 2015 to 2014
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
107	Construction Work In Progress	14,059,941	19,642,882	33,702,823	20,776,390	20,513,513	41,289,903	7,587,080	Increases due primarily to IT projects (network/software upgrades, data warehouse improvements), purchase of capital spare generator step-up transformers and demand conservation program equipment.
108	Accumulated Provision For Depreciation Of Utility Plant	285,761	35,220	320,980	546,311	56,523	602,834	281,854	
143 146 151 154 163	Cash Other Accounts Receivable Accounts Receivable From Associated Companies Fuel Stock Plant Materials And Operating Supplies Stores Expense Undistributed Prepayments	(780,343) 2,596 335 486,355,554 - 31,925 11,355,360	(405) - - - 251,520 1,628,975	(780,343) 2,192 335 486,355,554 - 283,444 12,984,335	(328,328) 5,788 - 408,975,931 (43,165) 83,629 3,236,969	213 - - - - 696,892 8,234,020	(328,328) 6,001 - 408,975,931 (43,165) 780,522 11,470,989	452,015 3,810 (335) (77,379,623) (43,165) 497,077 (1,513,346)	
	Accrued Utility Revenues Other Regulatory Assets	- 579,141	-	- 579,141	- 1,985,207	- -	1,985,207	- 1,406,066	Primarily due to the establishment of regulatory asset for 15-year amortization of pensions as a result of Case No. 2014-00371.
183	Preliminary Survey And Investigation Charges	118,047	148	118,196	196,334	187	196,521	78,325	
184	Clearing Accounts	20,266,792	4,118,628	24,385,421	14,658,400	11,379,313	26,037,713	1,652,292	Variance due to the function of the clearing account. This increase is offset in other accounts.
186 188 219	Miscellaneous Deferred Debits Research, Development And Demonstration Expenses Accumulated other comprehensive income	300,539	5 -	300,544	242,647 -	100 46,995	242,746 46,995	(57,797) 46,995	
228.3	Accumulated Provision For Pensions And Benefits	2,711,061	-	2,711,061	3,755,072	-	3,755,072		Primarily due to increased accrual for post- retirement benefits including medical.
232	Accounts Payable	(606,191)	-	(606,191)	(42,442)	-	(42,442)	563,749	

		2014				2015	Variance 2015 to 2014		
FERC ccount	FERC Account Description	Direct Assignments	Indirect Allocations of	Total	Direct Assignments	Indirect Allocations of	Total	Variance Amount	Explanation
236	Taxes Accrued	(720,345)	Costs	(720,345)	(903,198)	Costs	(903,198)	(182,852)	
	Tax Collections Payable	(4)	-	(4)	(905,196)	-	(903,198)	(162,632)	
	Miscellaneous Current And Accrued Liabilities	623,710	-	623,710	788,050	-	788,050	164,340	
		(13,786)				1,348,812		(840,621)	
	Other Deferred Credits		2,203,219	2,189,433	4 410 200		1,348,812		
408.1	Taxes Other Than Income Taxes, Utility Operating Income	4,501,581	-	4,501,581	4,418,288	480,584	4,898,872	397,292	
	Taxes Other Than Income Taxes, Other Income And Deductions	719	-	719	314	-	314	(405)	
416	Cost And Expenses Of Merchandising, Jobbing And Contract Work	-	-	-	=	-	-	=	
417.1	Expenses Of Nonutility Operations	-	-	-	-	-	-	-	
418	Nonoperating Rental Income	-	-	-	-	-	-	-	
419	Interest And Dividend Income	-	=	-	=	=	-	=	
	Miscellaneous Nonoperating Income	-	-	-	_	-	-	-	
	Donations Tronspersing Meetic	1,059,860	49,436	1,109,296	935,175	170,072	1,105,246	(4,050)	
	Penalties	121,019	15,352	136,371	(182)	8,863	8,680	(127,691)	
	Expenditures For Certain Civic, Political And Related Activities	284,601	772,096	1,056,697	7,359	873,191	880,551	(176,147)	
	Other Deductions	572,232	382,276	954,508	606,891	587,066	1,193,957	239,449	
	Other Interest Expense	-	-	-	-	-	-	-	
	Rent From Electric Property	-	-	-	-	-	-	-	
456	Other Electric Revenues	12,911	=	12,911	128	-	128	(12,783)	
500	Operation Supervision And Engineering	690,409	4,640,892	5,331,301	342,794	5,624,555	5,967,350	636,049	
501	Fuel	142,309	1,296,642	1,438,951	425,863	1,018,744	1,444,608	5,657	
502	Steam Expenses	249,217	19,091	268,308	148,801	26,852	175,652	(92,655)	
	Electric Expenses	60,775		60,775	-,			(60,775)	
	Miscellaneous Steam Power Expenses	294,925	11,149	306,074	516,738	710,647	1,227,385	921,311	
510	Maintenance Supervision And Engineering	697,990	279,983	977,973	(168,774)	441,625	272,851	(705,122)	
511	Maintenance Of Structures	12,587	-	12,587	11,310	1	11,310	(1,277)	
512	Maintenance Of Boiler Plant	45,789	=	45,789	77,614	4	77,619	31,830	
	Maintenance Of Electric Plant	169,980	19,812	189,792	221,691	112,000	333,691	143,899	
	Maintenance Of Miscellaneous Steam Plant	12,584	21	12,605	18,189	-	18,189	5,584	
	Miscellaneous Hydraulic Power Generation Expenses	,50	-	,505	,	_	,,-	-	
	Maintenance Of Electric Plant	_	_	_	_	_	_	_	
	Operation Supervision And Engineering	_	_	_		_		-	
	Miscellaneous Other Power Generation Expenses	3,383		3,383	2,901		2,901	(482)	
			-	*	2,901	-	553	(482)	
	Maintenance Of Generating And Electric Equipment	-	=	=	333	-	333	333	
	Maintenance Of Miscellaneous Other Power Generation Plant	- 04 455	1.500.040	1 662 202	- 04 620	1 020 111	1 022 720	- 270 022	
	System Control And Load Dispatching	94,465	1,569,242	1,663,707	94,628	1,839,111	1,933,739	270,033	
	Other Expenses	-	-	-	-	-		-	
560	Operation Supervision And Engineering	176,030	1,496,513	1,672,543	(22,955)	1,736,554	1,713,599	41,056	

		I	2014	I		2015			Variance 2015 to 2014
FERC	FERC Account Description	Direct	Indirect	Total	Direct	Indirect	Total	Variance	Explanation
Account		Assignments	Allocations of		Assignments	Allocations of		Amount	
			Costs			Costs			
561.1	Load Dispatch-Reliability	508,201	1,470,303	1,978,505	-	524,078	524,078	(1,454,427)	
561.2	Load Dispatch-Monitor And Operate Transmission System	144,864	111,867	256,730	-	1,980,952	1,980,952	1,724,222	Amounts previously charged to account 561.1
									are now charged to account 561.2. When
									FERC accounts 561.1 and 561.2 are analyzed
									together the change is below the threshold for review.
561.3	Load Dispatch-Transmission Service And Scheduling	45,249	103,990	149,238	_	708,930	708,930	559,692	review.
561.5	Reliability, Planning And Standards Development	91,142	790,506	881,648	(2,594)	886,969	884,376	2,727	
561.6	Transmission Service Studies	16,671	358	17,029	9,286	10,150	19,435	2,406	
561.7	Generation Interconnection Studies	10,071	-	17,027	7,200	10,130	17,433	2,400	
562	Station Expenses	26,125	1,632	27,757	81,994	5,097	87,091	59,334	
563	Overhead Line Expenses	66,798	6,206	73,004	67,161	5,205	72,366	(638)	
566	Miscellaneous Transmission Expenses	60,457	2,290,866	2,351,323	10,854	2,549,184	2,560,037	208,714	
	I		, ,	,,.	-,	,, -	,,		
567	Rents	_			_	_			
570	Maintenance Of Station Equipment	513,098	222,649	735,747	351,121	302,650	653,770	(81,977)	
571	Maintenance Of Overhead Lines	91,819	12,817	104,637	109,708	11,166	120,874	16,237	
573	Maintenance Of Miscellaneous Transmission Plant	17,738	181,869	199,606	80,041	328,679	408,720	209,113	
580	Operation Supervision And Engineering	211,978	921,248	1,133,226	218,164	944,865	1,163,029	29,804	
		,,		, ,			,,.		
581	Load Dispatching	280,586	542,106	822,692	156,854	350,563	507,417	(315,276)	
582	Station Expenses	34,311	1,442	35,753	37,659	1,523	39,182	3,429	
583	Overhead Line Expenses	2,757,934	7,671	2,765,605	1,111,080	204	1,111,283	(1,654,322)	
584	Underground Line Expenses	-	-	-	-	-	-	-	
586	Meter Expenses	152,484	367,321	519,805	135,282	418,230	553,513	33,707	
588	Miscellaneous Distribution Expenses	452,225	1,242,512	1,694,737	304,870	1,493,239	1,798,109	103,372	
590	Maintenance Supervision And Engineering	8,088	9,045	17,133	1,362	12,272	13,634	(3,499)	
592	Maintenance Of Station Equipment	12,234	209	12,443	10,706	468	11,175	(1,268)	
593	Maintenance Of Overhead Lines	143,769	135,287	279,057	26,552	134,295	160,847	(118,210)	
594 595	Maintenance Of Underground Lines	5,891	1	5,892	637	-	637	(5,255)	
595 598	Maintenance Of Line Transformers Maintenance Of Miscellaneous Distribution Plant	61,957	723	62,680	3,618	801	4,419	(58,261)	
901	Supervision	369,297	2,431,823	2,801,120	356,605	2,889,621	3,246,225	445,106	
<i>7</i> 01	Supervision	307,277	2,431,623	2,001,120	330,003	2,007,021	3,240,223	443,100	
902	Meter Reading Expenses	25,847	121,809	147,655	9,621	162,132	171,752	24,097	
903	Customer Records And Collection Expenses	4,704,443	7,125,541	11,829,985	3,966,134	7,957,814	11,923,948	93,963	
904	Uncollectible Accounts	105.105		-	-	- 2.122	- 100	- (170 - 220)	
905	Miscellaneous Customer Accounts Expenses	135,125	38,643	173,767	-	3,138	3,138	(170,629)	I

			2014	I	2015				Variance 2015 to 2014
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
907	Supervision	1,395	385,282	386,677	140	352,428	352,568	(34,109)	
908	Customer Assistance Expenses	11,922,850	248,556	12,171,407	12,269,517	504,062	12,773,580	602,173	
909	Informational And Instructional Advertising Expenses	351,370	49,339	400,710	653,193	80,657	733,850	333,141	
910	Miscellaneous Customer Service And Informational Expenses	644,120	344	644,464	202,165	440,129	642,294	(2,170)	
912	Demonstrating And Selling Expenses	-	-	- 04.207	- 202 240	- 2.001	206.050	-	
913 920	Advertising Expenses Administrative And General Salaries	89,677 1,763,056	4,631 32,152,605	94,307 33,915,661	303,249 1,910,697	2,801 34,443,092	306,050 36,353,789		Primarily due to annual wage increases, increased IT and Customer Services headcount, and charges previously made to other accounts (offset above).
921	Office Supplies And Expenses	1,107,512	6,483,180	7,590,692	380,475	6,398,972	6,779,447	(811,245)	
923	Outside Services Employed	4,878,936	12,705,186	17,584,122	2,437,454	16,875,778	19,313,232	1,729,109	Primarily due to increases for software services and upgrades.
924	Property Insurance	56,425	228,035	284,460	-	284,125	284,125	(335)	
925 926	Injuries And Damages Employee Pensions And Benefits	1,722 15,054,691	143,919 216,247	145,641 15,270,938	43,757 19,554,231	196,459 1,652,021	240,216 21,206,251	94,575 5,935,313	Primarily due to an increase in employee pensions (due to change in mortality table and reduced expected return on assets) and medical expenses.

			2014			2015			Variance 2015 to 2014
FERC	FERC Account Description	Direct	Indirect	Total	Direct	Indirect	Total	Variance	Explanation
Account		Assignments	Allocations of		Assignments	Allocations of		Amount	
			Costs			Costs			
928	Regulatory Commission Expenses	990,977	-	990,977	337,187	-	337,187	(653,790)	
930.1	General Advertising Expenses	923,663	1,599	925,262	99,919	4,375	104,294	(820,968)	
930.2	Miscellaneous General Expenses	(870,742)	2,735,822	1,865,079	220,790	3,122,564	3,343,354	1,478,275	Primarily due to an increase in research and
									development expenses.
931	Rents	59,569	1,309,523	1,369,092	19,210	1,509,436	1,528,646	159,554	
935	Maintenance Of General Plant	1,668,032	610,312	2,278,344	1,427,911	813,607	2,241,518	(36,826)	
Grand T	otal	593,355,039	113,845,723	707,200,762	508,477,528	144,269,167	652,746,695	(54,454,067)	

			2016		Variance 2016 to 2015			
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation		
107	Construction Work In Progress	13,187,706	27,804,755	40,992,461	(297,442)			
108	Accumulated Provision For Depreciation Of Utility Plant	850,658	78,782	929,439	326,605			
143 146 151 154	Cash Other Accounts Receivable Accounts Receivable From Associated Companies Fuel Stock Plant Materials And Operating Supplies	(254,963) 9,450 - 362,373,333	- 41 - -	(254,963) 9,491 - 362,373,333	73,365 3,490 (46,602,598) 43,165			
	Stores Expense Undistributed Prepayments	303,029 6,696,216	861,669 18,978,242	1,164,698 25,674,458	384,177 14,203,469	Primarily due to prepaid contracts for information technology. Prior to June 2016 the IT prepaid balance was held on LKS. Starting in June 2016 the prepayments made by LKS on behalf of KU were moved to KU.		
	Accrued Utility Revenues Other Regulatory Assets	3,617,513		3,617,513	1,632,306	Primarily due to regulatory asset for rate case expenses.		
183	Preliminary Survey And Investigation Charges	746,263	-	746,263	549,742			
184	Clearing Accounts	18,472,699	9,724,037	28,196,736	2,159,023	Variance due to the function of the clearing account. This increase is offset in other		
188	Miscellaneous Deferred Debits Research, Development And Demonstration Expenses Accumulated other comprehensive income	551,360 (540,892)	1,298,478 -	551,360 757,586	308,613 710,591	accounts.		
228.3	Accumulated Provision For Pensions And Benefits	4,383,601	-	4,383,601	628,529			
232	Accounts Payable	11,228,898	-	11,228,898	11,271,341	Primarily due to 401K payable. LKS began remitting the 401K company match and payroll deductions on behalf of KU in 2016. Previously this was paid by KU.		

1	THE SERVICE CONFANT (ERS)	1	2016	1	Var	riance 2016 to 2015
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
236	Taxes Accrued	(1,822,072)	-	(1,822,072)	(918,874)	
241	Tax Collections Payable	=	-	-	-	
242	Miscellaneous Current And Accrued Liabilities	917,112	-	917,112	129,061	
253	Other Deferred Credits	=	=	=	(1,348,812)	
408.1	Taxes Other Than Income Taxes, Utility Operating Income	1,672,899	3,511,528	5,184,427	285,555	
408.2	Taxes Other Than Income Taxes, Other Income And Deductions	-	-	-	(314)	
416	Cost And Expenses Of Merchandising, Jobbing And Contract Work	32	-	32	32	
417.1	Expenses Of Nonutility Operations	-	-	-	-	
418	Nonoperating Rental Income	-	-	-	-	
419	Interest And Dividend Income	-	-	-	-	
421	Miscellaneous Nonoperating Income	4,473	(16,926)	(12,454)	(12,454)	
426.1	Donations	431,373	32,909	464,282	(640,964)	
426.3	Penalties	10,751	22,452	33,203	24,522	
426.4	Expenditures For Certain Civic, Political And Related Activities	230,240	695,689	925,929	45,379	
426.5	Other Deductions	590,542	459,748	1,050,291	(143,667)	
431	Other Interest Expense	3,790	-	3,790	3,790	
454	Rent From Electric Property	=	-	-	=	
456	Other Electric Revenues	149	-	149	21	
500	Operation Supervision And Engineering	556,223	3,787,598	4,343,822	(1,623,528)	
501	Fuel	207,680	773,802	981,482	(463,126)	
502	Steam Expenses	167,794	27,869	195,663	20,010	
505	Electric Expenses	2,020	-	2,020	2,020	
506	Miscellaneous Steam Power Expenses	890,724	380,194	1,270,919	43,533	
510	Maintenance Supervision And Engineering	312,579	287,836	600,414	327,563	
511	Maintenance Of Structures	23,451	-	23,451	12,140	
512	Maintenance Of Boiler Plant	17,445	-	17,445	(60,173)	
513	Maintenance Of Electric Plant	161,592	37,122	198,713	(134,978)	
514	Maintenance Of Miscellaneous Steam Plant	38,923	0	38,923	20,734	
539	Miscellaneous Hydraulic Power Generation Expenses	-	-	-	-	
544	Maintenance Of Electric Plant	-	-	-	-	
546	Operation Supervision And Engineering	1,568	-	1,568	1,568	
549	Miscellaneous Other Power Generation Expenses	11,523	-	11,523	8,622	
553	Maintenance Of Generating And Electric Equipment	-	-	-	(553)	
554	Maintenance Of Miscellaneous Other Power Generation Plant	1,656	=	1,656	1,656	
556	System Control And Load Dispatching	80,039	1,893,210	1,973,249	39,510	
557	Other Expenses	-	(0)	(0)	(0)	
560	Operation Supervision And Engineering	46,829	1,564,131	1,610,960	(102,639)	

		Ī	2016	1		Variance 2016 to 2015
FERC	FERC Account Description	Direct Assignments	Indirect	Total	Variance	Explanation
Account			Allocations of		Amount	-
			Costs			
561.1	Load Dispatch-Reliability	35,636	424,510	460,146	(63,933)	
561.2	Load Dispatch-Monitor And Operate Transmission System	502	1,960,257	1,960,759	(20,194)	
561.2	Lord Dispotals Transmission Camina And Caladulina	4,188	775,549	779,736	70,806	
	Load Dispatch-Transmission Service And Scheduling Reliability, Planning And Standards Development	20,625	798,520	819,145	(65,231)	
561.5	Transmission Service Studies	46,582	2,515	49,097		
561.6	Generation Interconnection Studies	40,382	2,313	49,097	29,662	
561.7				127.945		
562	Station Expenses	85,495	52,350	137,845	50,754	
563	Overhead Line Expenses	46,657	27,427	74,084	1,718	
566	Miscellaneous Transmission Expenses	200,956	2,670,210	2,871,166	311,128	
567	Rents	-	-	-	-	
570	Maintenance Of Station Equipment	219,089	402,369	621,457	(32,313)	
571	Maintenance Of Overhead Lines	96,422	87,106	183,528	62,654	
573	Maintenance Of Miscellaneous Transmission Plant	35,887	249,483	285,370	(123,350)	
580	Operation Supervision And Engineering	168,510	1,125,748	1,294,258	131,228	
581	Load Dispatching	149,252	291,697	440,949	(66,468)	
582	Station Expenses	31,019	1,672	32,691	(6,490)	
583	Overhead Line Expenses	960,294	511	960,805	(150,478)	
584	Underground Line Expenses	-	-	-	-	
586	Meter Expenses	165,654	434,143	599,797	46,285	
588	Miscellaneous Distribution Expenses	614,735	1,350,264	1,964,999	166,890	
590	Maintenance Supervision And Engineering	106	2,401	2,507	(11,127)	
592	Maintenance Of Station Equipment	15,542	213	15,755	4,581	
593	Maintenance Of Overhead Lines	108,265	133,035	241,300	80,453	
594	Maintenance Of Underground Lines	-	-	-	(637)	
595	Maintenance Of Line Transformers	=	-	-	-	
598	Maintenance Of Miscellaneous Distribution Plant	82,705	1,254	83,959	79,540	
901	Supervision	289,964	2,584,808	2,874,772	(371,453)	
902	Meter Reading Expenses	2,416	164,597	167,013	(4,739)	
903	Customer Records And Collection Expenses	4,522,859	8,563,808	13,086,666	1,162,719	The change is due primarily to IT maintenance
						costs, previously included in FERC 935, incremental color bill printing costs and higher labor costs in the Residential Service Center 18
						for replacing team members on the CCS / SAP upgrade project to maintain service levels.
904	Uncollectible Accounts	-	-	-	-	
905	Miscellaneous Customer Accounts Expenses	6,750	1,056	7,806	4,668	

	HE SERVICE COMPANY (ERS)		2016	Ī		Variance 2016 to 2015
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
907	Supervision	1,478	400,696	402,174	49,606	
908	Customer Assistance Expenses	16,640,014	278,377	16,918,391	4,144,811	The majority of the change is related to costs recovered through the DSM mechanism.
909	Informational And Instructional Advertising Expenses	418,013	30,265	448,278	(285,573)	
910 912	Miscellaneous Customer Service And Informational Expenses Demonstrating And Selling Expenses	255,611	715,294	970,905	328,610	
913	Advertising Expenses	789,548	25,196	814,744	508,694	
920	Administrative And General Salaries	1,389,794	33,115,402	34,505,196	(1,848,593)	
921	Office Supplies And Expenses	775,155	5,257,031	6,032,187	(747,260)	
923	Outside Services Employed	3,945,778	9,714,326	13,660,104	(5,653,127)	
924	Property Insurance	-	274,178	274,178	(9,947)	
925 926	Injuries And Damages Employee Pensions And Benefits	6,250 4,306,316	161,494 13,485,267	167,745 17,791,583	(72,472) (3,414,668)	

			2016		Variance 2016 to 2015		
FERC	FERC Account Description	Direct Assignments	Indirect	Total	Variance	Explanation	
Account			Allocations of		Amount		
			Costs				
928	Regulatory Commission Expenses	185,394	=	185,394	(151,792)		
930.1	General Advertising Expenses	16,070	57	16,127	(88,167)		
930.2	Miscellaneous General Expenses	189,329	3,134,900	3,324,229	(19,126)		
931	Rents	220,781	1,275,435	1,496,216	(32,430)		
935	Maintenance Of General Plant	1,285,788	720,196	2,005,984	(235,534)		
Grand T	Cotal Cotal	464,519,635	162,896,780	627,416,415	(25,330,281)	_	

			2017		Variance 2017 to 2016		
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation	
107	Construction Work In Progress	16,618,908	30,160,616	46,779,524	5,787,063	Increase due to Meter Asset Management System (MAM), Automated Metering System (AMS) Opt In Program, Distribution Automation, Distribution Control Center Enhancement and GIS upgrade, offset by a database and server software license renewal paid in 2016 but not 2017, and the wind down of the SAP CCS Upgrade project.	
108	Accumulated Provision For Depreciation Of Utility Plant	1,999,575	173,946	2,173,521	1,244,082	Increase is due to more spend for ash pond closures at Ghent and Green River.	
131	Cash	(356,695)	-	(356,695)	(101,732)		
143	Other Accounts Receivable	19,323	909	20,232	10,741		
146	Accounts Receivable From Associated Companies	638	53	691	691		
	Fuel Stock	331,342,013	=	331,342,013	(31,031,320)		
	Plant Materials And Operating Supplies	-	-	-	-		
163	Stores Expense Undistributed	243,586	820,956	1,064,542	(100,156)		
165	Prepayments	6,018,921	13,851,647	19,870,568	(5,803,890)		
	Accrued Utility Revenues Other Regulatory Assets	1,302 3,453,121	- -	1,302 3,453,121	1,302 (164,392)		
183	Preliminary Survey And Investigation Charges	1,898,880	394	1,899,274	1,153,012	Variance is due to the AMS project, which	
184	Clearing Accounts	20,935,642	8,226,107	29,161,748	965,012	began in 2017.	
186	Miscellaneous Deferred Debits	221,462		221,462	(329,898)		
	Research, Development And Demonstration Expenses	(87,781)	84,431	(3,350)	(329,898)		
	Accumulated other comprehensive income	(651,463)	-	(651,463)	(651,463)		
	Accumulated Provision For Pensions And Benefits	3,320,607	-	3,320,607	(1,062,995)		
232	Accounts Payable	8,309,595	(170,463)	8,139,132	(3,089,767)		

	(4,		2017	Ī	Variance	e 2017 to 2016
FERC	FERC Account Description	Direct Assignments	Indirect	Total	Variance Amount	Explanation
Account			Allocations of			
			Costs			
236	Taxes Accrued	(1,269,062)	(638)	(1,269,700)	552,372	
241	Tax Collections Payable	-	-	-	-	
242	Miscellaneous Current And Accrued Liabilities	1,049,630	-	1,049,630	132,519	
253	Other Deferred Credits	(11,591)	-	(11,591)	(11,591)	
408.1	Taxes Other Than Income Taxes, Utility Operating Income	782,844	4,476,137	5,258,981	74,553	
400.0						
408.2	Taxes Other Than Income Taxes, Other Income And Deductions	-	-	-	- (22)	
416	Cost And Expenses Of Merchandising, Jobbing And Contract Work		-	-	(32)	
417.1	Expenses Of Nonutility Operations	1,659	-	1,659	1,659	
418	Nonoperating Rental Income	=	-	-	=	
419	Interest And Dividend Income	<u> </u>	(50.170)	(52.152)	(20.710)	
421	Miscellaneous Nonoperating Income	(20.572)	(52,172)	(52,172)	(39,719)	
426.1	Donations	(28,572)	(1,861)	(30,432)	(494,715)	
426.3	Penalties	_	17	17	(33,185)	
426.4	Expenditures For Certain Civic, Political And Related Activities	145,556	505,468	651,024	(274,905)	
426.5	Other Deductions	424,843	446,773	871,615	(178,675)	
431	Other Interest Expense	424,043	440,773	6/1,013	(3,790)	
454	Rent From Electric Property	-	=	-	(3,790)	
456	Other Electric Revenues	_	-	-	(149)	
500	Operation Supervision And Engineering	724,914	3,428,806	4,153,720	(190,102)	
300	Operation Supervision And Engineering	724,714	3,420,000	4,133,720	(170,102)	
501	Fuel	277,506	689,470	966,977	(14,505)	
502	Steam Expenses	102,838	16,607	119,445	(76,218)	
505	Electric Expenses	3,438	536	3,975	1,955	
506	Miscellaneous Steam Power Expenses	990,651	445,876	1,436,527	165,608	
200		770,031	. 13,070	1,730,327	105,000	
510	Maintenance Supervision And Engineering	195,852	450,006	645,858	45,444	
	· · · · · · · · · · · · · · · · · · ·	,002		5.2,050	,	
511	Maintenance Of Structures	18,905	126,252	145,157	121,706	
512	Maintenance Of Boiler Plant	40,215	-	40,215	22,769	
513	Maintenance Of Electric Plant	64,856	282,831	347,686	148,973	
514	Maintenance Of Miscellaneous Steam Plant	42,537	2,847	45,383	6,461	
539	Miscellaneous Hydraulic Power Generation Expenses	-	-	-	-	
544	Maintenance Of Electric Plant	770	79	850	850	
546	Operation Supervision And Engineering	-	=	-	(1,568)	
549	Miscellaneous Other Power Generation Expenses	386	3,084	3,469	(8,054)	
553	Maintenance Of Generating And Electric Equipment	369	-	369	369	
554	Maintenance Of Miscellaneous Other Power Generation Plant	4,967	156	5,123	3,467	
556	System Control And Load Dispatching	45,642	1,845,201	1,890,844	(82,406)	
557	Other Expenses	-	· · ·	-	0	
560	Operation Supervision And Engineering	4,684	1,670,160	1,674,844	63,884	
			, ,	,,	,	

TROW THE SERVICE COMPANT (ERS)		I	2017	1	Variance 2017 to 2016		
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation	
561.1	Load Dispatch-Reliability	766	418,987	419,752	(40,393)		
561.2	Load Dispatch-Monitor And Operate Transmission System	-	1,917,464	1,917,464	(43,295)		
561.3	Load Dispatch-Transmission Service And Scheduling	_	901,743	901,743	122,007		
561.5	Reliability, Planning And Standards Development	347	700,498	700,845	(118,300)		
	Transmission Service Studies	6,583	-	6,583	(42,514)		
561.7	Generation Interconnection Studies	-	-	-	· -		
562	Station Expenses	103,943	8,207	112,149	(25,695)		
563	Overhead Line Expenses	73,247	5,567	78,815	4,731		
566	Miscellaneous Transmission Expenses	176,982	2,484,070	2,661,052	(210,114)		
567	Rents	_					
570	Maintenance Of Station Equipment	251,220	277,576	528,796	(92,662)		
570	Maintenance Of Station Equipment Maintenance Of Overhead Lines	330,938	21,335	352,273	(92,662) 168,745		
573	Maintenance Of Miscellaneous Transmission Plant	96,537	190,411	286,947	1,578		
580	Operation Supervision And Engineering	113,109	1,384,008	1,497,117	202,859		
581	Load Dispatching	123,983	318,556	442,539	1,590		
582	Station Expenses	8,803	285	9,088	(23,603)		
583	Overhead Line Expenses	973,352	8,391	981,743	20,938		
584	Underground Line Expenses	-	-		-		
586	Meter Expenses	173,163	467,952	641,115	41,317		
588	Miscellaneous Distribution Expenses	1,057,172	1,292,748	2,349,920	384,921		
590 592	Maintenance Supervision And Engineering Maintenance Of Station Equipment	(51)	2,960 90	2,910 7,652	403		
592 593	Maintenance Of Station Equipment Maintenance Of Overhead Lines	7,562 105,123	148,232	253,356	(8,103) 12,056		
594	Maintenance Of Underground Lines	103,123	146,232	233,330	12,030		
595	Maintenance Of Line Transformers	-	-	-	-		
598	Maintenance Of Miscellaneous Distribution Plant	260,534	23,400	283,933	199,974		
901	Supervision Supervision	238,473	2,919,539	3,158,012	283,240		
902	Meter Reading Expenses	659	150,469	151,129	(15,885)		
903	Customer Records And Collection Expenses	4,043,625	9,284,604	13,328,229	241,562		
904	Uncollectible Accounts	-	-	-	-		
905	Miscellaneous Customer Accounts Expenses	-	1,575	1,575	(6,231)		

	HE SERVICE COMPANY (ERS)	Ī	2017		•	Variance 2017 to 2016
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
907	Supervision	627	540,725	541,352	139,178	
	Customer Assistance Expenses	16,550,762	387,217	16,937,979	19,588	
909	Informational And Instructional Advertising Expenses	316,942	174,442	491,384	43,106	
	Miscellaneous Customer Service And Informational Expenses Demonstrating And Selling Expenses	358,739	852,658 -	1,211,397	240,492	
913	Advertising Expenses	721,137	65,184	786,320	(28,424)	
920	Administrative And General Salaries	1,590,827	33,235,939	34,826,766	321,570	
921	Office Supplies And Expenses	345,230	7,029,485	7,374,715	1,342,529	The accounting for the O&M pertaining to the LG&E Building changed in March 2018 from the 184 facilities clearing account directly to the 921 office supplies and expenses due to
923	Outside Services Employed	2,963,443	4,695,129	7,658,571	(6,001,533)	preparation for the new lease accounting standard.
924	Property Insurance	20,786	311,749	332,536	58,358	
925	Injuries And Damages	6,571	213,616	220,187	52,443	
926	Employee Pensions And Benefits	2,005,699	15,945,896	17,951,595	160,012	

		I	***	I		
			2017		v	ariance 2017 to 2016
FERC	FERC Account Description	Direct Assignments	Indirect	Total	Variance Amount	Explanation
Account	t en		Allocations of			
			Costs			
928	Regulatory Commission Expenses	162,845	-	162,845	(22,549)	
930.1	General Advertising Expenses	548	1,411	1,959	(14,168)	
930.2	Miscellaneous General Expenses	36,286	3,647,532	3,683,818	359,589	
931	Rents	29,565	2,757,277	2,786,842		The accounting for the LG&E Building lease changed in March 2018 from the 184 facilities clearing account directly to the 931 rent expense account due to preparation for the new lease accounting standard.
935	Maintenance Of General Plant	335,252	966,849	1,302,101	(703,883)	
Grand T	Total	430,492,800	161,238,005	591,730,805	(35,685,610)	

			June 2018 YTD		Variance	June 2018 YTD to 2017
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
107	Construction Work In Progress	7,128,777	13,081,309	20,210,086	(26,569,438)	
108	Accumulated Provision For Depreciation Of Utility Plant	1,354,757	99,107	1,453,864	(719,657)	
131 143 146 151 154 163	Cash Other Accounts Receivable Accounts Receivable From Associated Companies Fuel Stock Plant Materials And Operating Supplies Stores Expense Undistributed Prepayments	378 56,875 - 179,656,542 - 170,004 5,665,343	- 928 486,496 8,652,138	378 57,803 - 179,656,542 - 656,500 14,317,481	357,073 37,571 (691) (151,685,472) - (408,042) (5,553,087)	
173 182.3	Accrued Utility Revenues Other Regulatory Assets	- 1,269,250	-	1,269,250	(1,302) (2,183,870)	
183	Preliminary Survey And Investigation Charges	37,532	135	37,667	(1,861,607)	
184	Clearing Accounts	9,984,848	5,543,684	15,528,532	(13,633,216)	
186 188 219 228.3 232	Miscellaneous Deferred Debits Research, Development And Demonstration Expenses Accumulated other comprehensive income Accumulated Provision For Pensions And Benefits Accounts Payable	13,985 - - 2,592,491 5,295,523	(123,086)	13,985 - 2,592,491 5,172,437	(207,478) 3,350 651,463 (728,116) (2,966,695)	

Direct Assignments Ablocations of Costs	Explanation
Costs Costs Costs Costs Costs Costs Costs Cost Cost	
236 Taxes Accrued (303,097) (323) (303,420) 966,280 241 Tax Collections Payable (0)	
241 Tax Collections Payable (0) - (0) (0) 242 Miscellaneous Current And Accrued Liabilities 1,150,004 - 1,150,004 100,373 253 Other Deferred Credits - - - - 11,591 408.1 Taxes Other Than Income Taxes, Utility Operating Income 275,491 2,311,262 2,586,753 (2,672,228) 408.2 Taxes Other Than Income Taxes, Other Income And Deductions - - - - - 408.2 Taxes Other Than Income Taxes, Other Income And Deductions -	
242 Miscellaneous Current And Accrued Liabilities 1,150,004 - 1,150,004 100,373 253 Other Deferred Credits 11,591 408.1 Taxes Other Than Income Taxes, Utility Operating Income 275,491 2,311,262 2,586,753 (2,672,228) 408.2 Taxes Other Than Income Taxes, Other Income And Deductions	
253 Other Deferred Credits 275,491 2,311,262 2,586,753 (2,672,228)	
408.1 Taxes Other Than Income Taxes, Utility Operating Income 275,491 2,311,262 2,586,753 (2,672,228) 408.2 Taxes Other Than Income Taxes, Other Income And Deductions - - - - 416 Cost And Expenses Of Merchandising, Jobbing And Contract Work - - - - 417.1 Expenses Of Nonutility Operations 371 - 371 (1,289) 418 Nonoperating Rental Income - - - - - 419 Interest And Dividend Income - - - - - 421 Miscellaneous Nonoperating Income - - (5,903) (5,903) 46,269 426.1 Donations 3,104 137 3,241 33,673 426.3 Penalties - - - - (17) 426.3 Penalties - - - - (17) 426.3 Penalties - - - - - (17)	
408.2 Taxes Other Than Income Taxes, Other Income And Deductions - - - - - - - - -	
416 Cost And Expenses Of Merchandising, Jobbing And Contract Work - - - - -	
417.1 Expenses Of Nonutility Operations 371 - 371 (1,289)	
Alta	
Interest And Dividend Income -	
426.1 Donations -	
426.1 Donations -	
426.1 Donations 3,104 137 3,241 33,673 426.3 Penalties (17) 426.4 Expenditures For Certain Civic, Political And Related Activities (4,680) 306,646 301,966 (349,059) 426.5 Other Deductions 113,740 144,631 258,371 (613,245) 454 Rent From Electric Property 456 Other Electric Revenues 500 Operation Supervision And Engineering 373,917 1,683,671 2,057,588 (2,096,132) 501 Fuel 62,920 405,584 468,504 (498,472)	
426.3 Penalties (17) 426.4 Expenditures For Certain Civic, Political And Related Activities 426.5 Other Deductions 431 Other Interest Expense 454 Rent From Electric Property 456 Other Electric Revenues 500 Operation Supervision And Engineering 478.4 Expenditures For Certain Civic, Political And Related Activities 44.680) 306,646 301,966 (349,059) 413,740 144,631 258,371 (613,245)	
426.4 Expenditures For Certain Civic, Political And Related Activities (4,680) 306,646 301,966 (349,059) 426.5 Other Deductions 113,740 144,631 258,371 (613,245) 431 Other Interest Expense - - - - 454 Rent From Electric Property - - - - 456 Other Electric Revenues - - - - - 500 Operation Supervision And Engineering 373,917 1,683,671 2,057,588 (2,096,132) 501 Fuel 62,920 405,584 468,504 (498,472)	
426.5 Other Deductions 113,740 144,631 258,371 (613,245) 431 Other Interest Expense - - - - 454 Rent From Electric Property - - - - 456 Other Electric Revenues - - - - 500 Operation Supervision And Engineering 373,917 1,683,671 2,057,588 (2,096,132) 501 Fuel 62,920 405,584 468,504 (498,472)	
431 Other Interest Expense - - - - 454 Rent From Electric Property - - - - 456 Other Electric Revenues - - - - 500 Operation Supervision And Engineering 373,917 1,683,671 2,057,588 (2,096,132) 501 Fuel 62,920 405,584 468,504 (498,472)	
454 Rent From Electric Property - - - - 456 Other Electric Revenues - - - - 500 Operation Supervision And Engineering 373,917 1,683,671 2,057,588 (2,096,132) 501 Fuel 62,920 405,584 468,504 (498,472)	
456 Other Electric Revenues - <td></td>	
500 Operation Supervision And Engineering 373,917 1,683,671 2,057,588 (2,096,132) 501 Fuel 62,920 405,584 468,504 (498,472)	
501 Fuel 62,920 405,584 468,504 (498,472)	
502 Steam Expenses 43.981 2.410 46.391 (73.054)	
505 Electric Expenses (3,975)	
506 Miscellaneous Steam Power Expenses 851,341 231,503 1,082,844 (353,683)	
510 Maintenance Supervision And Engineering 79,586 392,617 472,203 (173,656)	
511 Maintenance Of Structures 5,082 57,430 62,512 (82,645)	
512 Maintenance Of Boiler Plant 46,659 977 47,635 7,421	
513 Maintenance Of Electric Plant 10,188 115,573 125,761 (221,926)	
514 Maintenance Of Miscellaneous Steam Plant 28,365 1,287 29,652 (15,732)	
539 Miscellaneous Hydraulic Power Generation Expenses	
544 Maintenance Of Electric Plant (850)	
546 Operation Supervision And Engineering	
549 Miscellaneous Other Power Generation Expenses 470 - 470 (2,999)	
553 Maintenance Of Generating And Electric Equipment 2,670 - 2,670 2,302	
554 Maintenance Of Miscellaneous Other Power Generation Plant (5,123)	
556 System Control And Load Dispatching 19,564 876,312 895,875 (994,968)	
557 Other Expenses	
560 Operation Supervision And Engineering (7,692) 803,834 796,142 (878,702)	

			June 2018 YTD		Variance J	une 2018 YTD to 2017
ERC count	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
61.1	Load Dispatch-Reliability	-	294,057	294,057	(125,696)	
61.2	Load Dispatch-Monitor And Operate Transmission System	-	866,524	866,524	(1,050,940)	
61.3	Load Dispatch-Transmission Service And Scheduling	_	416,472	416,472	(485,270)	
61.5	Reliability, Planning And Standards Development	_	309,794	309,794	(391,051)	
61.6	Transmission Service Studies	1,068	31	1,098	(5,485)	
61.7	Generation Interconnection Studies	1,525	-	1,525	1,525	
562	Station Expenses	64,428	5,285	69,713	(42,437)	
563	Overhead Line Expenses	31,627	2,239	33,867	(44,948)	
566	Miscellaneous Transmission Expenses	88,088	1,677,964	1,766,052	(894,999)	
567	Rents	-	=	-	=	
570	Maintenance Of Station Equipment	101,430	137,733	239,163	(289,633)	
571	Maintenance Of Overhead Lines	242,950	13,256	256,206	(96,067)	
573	Maintenance Of Miscellaneous Transmission Plant	30,455	102,406	132,862	(154,085)	
580	Operation Supervision And Engineering	61,376	585,930	647,307	(849,810)	
581	Load Dispatching	61,217	142,213	203,430	(239,109)	
582	Station Expenses	8,687	33	8,720	(368)	
583	Overhead Line Expenses	479,787	2,979	482,765	(498,978)	
584	Underground Line Expenses				-	
586	Meter Expenses	86,249	267,668	353,916	(287,198)	
588	Miscellaneous Distribution Expenses	691,347	776,780	1,468,128	(881,793)	
590	Maintenance Supervision And Engineering	7 162	3,163	3,163	253	
592 593	Maintenance Of Station Equipment Maintenance Of Overhead Lines	7,163	118	7,281	(371)	
593 594	Maintenance Of Underground Lines Maintenance Of Underground Lines	50,745	77,739	128,484	(124,872)	
594 595	Maintenance Of Underground Lines Maintenance Of Line Transformers	_	-	- 1	-	
98	Maintenance Of Miscellaneous Distribution Plant	142,595	13,776	156,371	(127,562)	
901	Supervision	118,379	1,613,177	1,731,556	(1,426,456)	
902	Meter Reading Expenses	130	90,377	90,507	(60,622)	
903	Customer Records And Collection Expenses	1,909,226	4,577,565	6,486,791	(6,841,437)	
904	Uncollectible Accounts	-	-	- 1	-	
905	Miscellaneous Customer Accounts Expenses	-	495	495	(1,080)	

		June 2018 YTD			Variance June 2018 YTD to 2017		
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation	
907	Supervision	660	291,777	292,437	(248,915)		
908	Customer Assistance Expenses	6,628,522	209,631	6,838,154	(10,099,825)		
909	Informational And Instructional Advertising Expenses	111,549	93,075	204,624	(286,760)		
910	Miscellaneous Customer Service And Informational Expenses	260,552	357,638	618,190	(593,207)		
912	Demonstrating And Selling Expenses	427.695	- 20.025	456 520	(220, 801)		
913 920	Advertising Expenses Administrative And General Salaries	427,685 490,424	28,835 17,205,517	456,520 17,695,941	(329,801) (17,130,824)		
920	Administrative And General Salaries	490,424	17,203,317	17,093,941	(17,130,824)		
921	Office Supplies And Expenses	255,830	3,656,753	3,912,583	(3,462,132)		
923	Outside Services Employed	1,794,706	2,737,214	4,531,920	(3,126,652)		
924	Property Insurance	74,527	184,138	258,665	(73,870)		
925 926	Injuries And Damages Employee Pensions And Benefits	44,451 983,832	108,084 8,818,500	152,535 9,802,332	(67,653) (8,149,263)		

			June 2018 YTD		Variance J	une 2018 YTD to 2017
FERC	FERC Account Description	Direct	Indirect	Total	Variance	Explanation
Account	t	Assignments	Allocations of		Amount	
			Costs			
928	Regulatory Commission Expenses	155,287	-	155,287	(7,558)	
930.1	General Advertising Expenses	25,748	4,762	30,509	28,550	
930.2	Miscellaneous General Expenses	76,485	1,441,003	1,517,488	(2,166,329)	
931	Rents	15,920	1,407,610	1,423,530	(1,363,312)	
935 Grand T	Maintenance Of General Plant	210,303 231,713,239	496,412 84,087,084	706,714 315,800,323	(595,387) (275,930,482)	

			Base Year ¹		Variar	nce Base Year to June 2018 YTD
FERC	FERC Account Description	Direct	Indirect	Total	Variance	Explanation
Account		Assignments	Allocations of		Amount	
107	Constanting Western Process	(20.012.502)	Costs	(0.046.935)	(20.256.011)	
107	Construction Work In Progress	(39,012,502)	29,965,677	(9,046,825)	(29,256,911)	
108	Accumulated Provision For Depreciation Of Utility Plant	53,463,140	1,469,393	54,932,532	53,478,668	No explanation provided since periods are not comparable.
						comparable.
131	Cash	=	=	-	(378)	
143	Other Accounts Receivable	-	-	-	(57,803)	
	Accounts Receivable From Associated Companies	-	-	-	-	
151	Fuel Stock Plant Materials And Operating Supplies	-	-	-	(179,656,542)	
	Stores Expense Undistributed	151,218	2,040,424	2,191,642	1 535 142	No explanation provided since periods are not
103	Stores Expense Chaistroated	131,210	2,040,424	2,171,042		comparable.
165	Prepayments	90,834	5,519,838	5,610,672	(8,706,809)	
173	Accrued Utility Revenues	-	-	-	-	
182.3	Other Regulatory Assets	-	2,968,990	2,968,990	1,699,740	No explanation provided since periods are not
						comparable.
183	Preliminary Survey And Investigation Charges	37,532	135	37,667	0	
184	Clearing Accounts	1,545,536	10,930,624	12,476,160	(3,052,373)	
186	Miscellaneous Deferred Debits	39,593	_	39,593	25,609	
188	Research, Development And Demonstration Expenses	37,373	-	37,373	23,007	
219	Accumulated other comprehensive income	=	=	=	=	
228.3	Accumulated Provision For Pensions And Benefits	=	=	-	(2,592,491)	
232	Accounts Payable	(9,086)	-	(9,086)	(5,181,523)	
				l l		

			Base Year ¹		Varia	nce Base Year to June 2018 YTD
FERC	FERC Account Description	Direct	Indirect	Total	Variance	Explanation
Account		Assignments	Allocations of		Amount	
236	Taxes Accrued	(0)	Costs	(0)	303,420	
230	Tax Collections Payable	(0)	-	(0)	303,420	
241	Miscellaneous Current And Accrued Liabilities	-	-	-	(1,150,004)	
253	Other Deferred Credits	-	-	-	(1,130,004)	
408.1	Taxes Other Than Income Taxes, Utility Operating Income	2,964,529	2,294,862	5,259,391	2 672 639	No explanation provided since periods are not
		2,904,329	2,294,602			comparable.
408.2	Taxes Other Than Income Taxes, Other Income And Deductions	=	=	=	=	
416	Cost And Expenses Of Merchandising, Jobbing And Contract Work	=	=	=	=	
417.1	Expenses Of Nonutility Operations	-	-	-	(371)	
418	Nonoperating Rental Income	-	-	-	-	
419	Interest And Dividend Income	-	-	-	-	
421	Miscellaneous Nonoperating Income	-	0	0	5,903	
426.1	Donations	-	277,510	277,510	274,269	
	Penalties	-	-	-	- 424.512	
426.4	Expenditures For Certain Civic, Political And Related Activities	57,954	678,524	736,478	434,513	
426.5	Other Deductions	139,990	676,960	816,950	558,580	
431	Other Interest Expense	=	-	-	-	
454	Rent From Electric Property	-	-	-	-	
456	Other Electric Revenues	-	-	-	-	
500	Operation Supervision And Engineering	370,534	4,879,800	5,250,333		No explanation provided since periods are not comparable.
501	Fuel	62,920	1,025,931	1,088,851	620,347	
502	Steam Expenses	43,981	32,943	76,924	30,533	
505	Electric Expenses	-	23,018	23,018	23,018	
506	Miscellaneous Steam Power Expenses	802,005	1,474,808	2,276,813	1,193,969	No explanation provided since periods are not comparable.
510	Maintenance Supervision And Engineering	70,218	2,291,622	2,361,840	1,889,637	No explanation provided since periods are not comparable.
511	Maintenance Of Structures	117	37,710	37,828	(24,685)	
512	Maintenance Of Boiler Plant	42,782	12,220	55,002	7,367	
513	Maintenance Of Electric Plant	10,188	113,351	123,539	(2,222)	
514	Maintenance Of Miscellaneous Steam Plant	3,717	10,782	14,499	(15,153)	
539	Miscellaneous Hydraulic Power Generation Expenses	-	=	-		
544	Maintenance Of Electric Plant	-	=	-	=	
546	Operation Supervision And Engineering	-	=	-	=	
549	Miscellaneous Other Power Generation Expenses	470	-	470	-	
553	Maintenance Of Generating And Electric Equipment	498	-	498	(2,172)	
554	Maintenance Of Miscellaneous Other Power Generation Plant	-	3,996	3,996	3,996	
556	System Control And Load Dispatching	19,564	1,807,854	1,827,417	931,542	
557	Other Expenses		-	- 1	-	
560	Operation Supervision And Engineering	254	1,644,808	1,645,062	848,920	

		Base Year ¹			Variance Base Year to June 2018 YTD		
FERC	FERC Account Description	Direct	Indirect	Total	Variance	Explanation	
Account		Assignments	Allocations of		Amount	_	
	V 101 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Costs	##C ##C	221221		
	Load Dispatch-Reliability	-	528,290	528,290	234,234		
561.2	Load Dispatch-Monitor And Operate Transmission System	-	1,791,153	1,791,153	924,629		
561.3	Load Dispatch-Transmission Service And Scheduling	_	856,048	856,048	439,575		
561.5	Reliability, Planning And Standards Development	_	575,040	575,040	265,246		
561.6	Transmission Service Studies	1,068	31	1,098	-		
561.7	Generation Interconnection Studies	1,525	-	1,525	_		
562	Station Expenses	63,768	5,285	69,053	(660)		
563	Overhead Line Expenses	26,877	2,239	29,117	(4,750)		
566	Miscellaneous Transmission Expenses	66,144	1,758,695	1,824,839	58,786		
300	viscendieous Traismission Expenses	00,144	1,738,073	1,024,037	36,760		
567	Rents	-	7,915	7,915	7,915		
570	Maintenance Of Station Equipment	100,977	549,741	650,717	411,555		
571	Maintenance Of Overhead Lines	146,641	266,679	413,321	157,115		
573	Maintenance Of Miscellaneous Transmission Plant	18,907	240,134	259,041	126,179		
580	Operation Supervision And Engineering	105,352	1,558,818	1,664,170		No explanation provided since periods are not	
		,	-,,	-,,	-,,	comparable.	
581	Load Dispatching	61,217	303,050	364,267	160,837	r	
582	Station Expenses	8,687	33	8,720	-		
583	Overhead Line Expenses	477,928	927,960	1,405,889	923,123		
584	Underground Line Expenses		,2,,,,,,,,,,		,23,123		
586	Meter Expenses	84,131	631,421	715,551	361,635		
588	Miscellaneous Distribution Expenses	542,661	1,743,783	2,286,444	818,316		
590	Maintenance Supervision And Engineering	342,001	2,855	2,855	(308)		
592	Maintenance Of Station Equipment	5,639	118	5,758	(1,524)		
593	Maintenance Of Overhead Lines	50,794	279,992	330,786	202,302		
594	Maintenance Of Underground Lines	50,754	-	-	-		
595	Maintenance Of Line Transformers		_	-			
598	Maintenance Of Miscellaneous Distribution Plant	58,645	77,360	136,005	(20,366)		
901	Supervision	118,025	3,537,554	3,655,579		No explanation provided since periods are not	
901	Supervision	110,023	3,337,334	3,033,379	1,924,023	comparable.	
902	Meter Reading Expenses	130	196,246	196,376	105,869	comparation.	
903	Customer Records And Collection Expenses	433,412	11,201,858	11,635,269	5.148.478	No explanation provided since periods are not	
		,	,,	11,000,000	2,2.00,000	comparable.	
904	Uncollectible Accounts	-	666,762	666,762	666,762		
905	Miscellaneous Customer Accounts Expenses	-	495	495	-		

		Base Year ¹			Variance Base Year to June 2018 YTD		
FERC	FERC Account Description	Direct	Indirect	Total	Variance	Explanation	
Account		Assignments	Allocations of Costs		Amount		
907	Supervision	660	610,287	610,947	318,510		
908	Customer Assistance Expenses	1,259,983	495,116	1,755,099	(5,083,055)		
909	Informational And Instructional Advertising Expenses	-	285,409	285,409	80,785		
	Miscellaneous Customer Service And Informational Expenses	133,860	899,586	1,033,446	415,256		
912	Demonstrating And Selling Expenses	-	563,078	5/2.079	106,558		
913 920	Advertising Expenses Administrative And General Salaries	507,260	34,961,033	563,078 35,468,293		No explanation provided since periods are not comparable.	
921	Office Supplies And Expenses	230,496	7,262,599	7,493,094	3,580,511	No explanation provided since periods are not comparable.	
923	Outside Services Employed	1,116,896	7,451,665	8,568,561	4,036,641	No explanation provided since periods are not comparable.	
024			02.440	02.410	(144247)		
924	Property Insurance	-	92,419	92,419	(166,247)		
925 926	Injuries And Damages Employee Pensions And Benefits	8,699 11,632,000	142,111 9,018,409	150,810 20,650,409	(1,725) 10,848,077	No explanation provided since periods are not comparable.	

		Base Year ¹			Variance Base Year to June 2018 YTD		
FERC	FERC Account Description	Direct	Indirect	Total	Variance	Explanation	
Account		Assignments	Allocations of		Amount		
			Costs				
928	Regulatory Commission Expenses	26,340	8,800	35,140	(120,146)		
930.1	General Advertising Expenses	-	1,250	1,250	(29,259)		
930.2	Miscellaneous General Expenses	252	2,014,945	2,015,197	497,709		
931	Rents	13,520	2,681,998	2,695,518		No explanation provided since periods are not comparable.	
935	Maintenance Of General Plant	77,294	682,362	759,656	52,942		
Grand T	Cotal Cotal	38,275,775	165,062,401	203,338,176	(112,462,147)		

Actual dollars presented for calendar year 2014 through 2017 and June 2018 year to date include convenience payments. A convenience payment occurs when one affiliate, as a matter of convenience for the vendor, makes a payment on behalf of other affiliates and is subsequently reimbursed by those affiliates. Convenience payments (including, but not limited to, fuel purchases, reagent purchases, medical claims and pension funding) are excluded from the base period and the forecasted test period.

			Test Year ¹		Variance Test Year to Base Year		
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation	
107	Construction Work In Progress	21,748,762	30,211,147	51,959,909	61,006,734	The base period is understated by \$56M due to the improper coding of a forecast correction as an affiliate transaction, resulting in a corrected variance of \$60M. This increase is due to additional test year spending related to IT (\$60M) and facilities renovation (\$30M), offset by the completion of the MAM and Trimble County CCRT projects prior to test year (\$30M).	
108	Accumulated Provision For Depreciation Of Utility Plant	2,825,876	167,286	2,993,162	(51,939,370)	The base period is overstated by \$46.7M due to the improper coding of a forecast correction as an affiliate transaction, resulting in a corrected variance of a negative \$5.2M.	
131	Cash	-	-	-	-		
143	Other Accounts Receivable	-	-	-	-		
146	Accounts Receivable From Associated Companies	-	-	-	-		
151	Fuel Stock	-	-	-	-		
154	Plant Materials And Operating Supplies	-	-	-	-		
163	Stores Expense Undistributed	-	3,181,105	3,181,105	989,463		
165	Prepayments	-	-	-	(5,610,672)		
173 182.3	Accrued Utility Revenues Other Regulatory Assets	-	- -	- -	- (2,968,990)		
183	Preliminary Survey And Investigation Charges	-	-	-	(37,667)		
184	Clearing Accounts	271,800	12,826,568	13,098,368	622,208		
186	Miscellaneous Deferred Debits	_	_	_	(39,593)		
188	Research, Development And Demonstration Expenses	-	-	-	-		
219	Accumulated other comprehensive income	-	-	-	-		
228.3	Accumulated Provision For Pensions And Benefits	-	-	-	-		
232	Accounts Payable	-	-	-	9,086		

			Test Year ¹	1	Variance Test Year to Base Year		
FERC	FERC Account Description	Direct Assignments	Indirect	Total	Variance	Explanation	
Account			Allocations of Costs		Amount		
236	Taxes Accrued	_	- Costs	-	0		
241	Tax Collections Payable	-	-	_	_		
242	Miscellaneous Current And Accrued Liabilities	_	_	_	_		
253	Other Deferred Credits	_	_	_	_		
408.1	Taxes Other Than Income Taxes, Utility Operating Income	5,287,716	-	5,287,716	28,325		
408.2	Taxes Other Than Income Taxes, Other Income And Deductions			_	_		
416	Cost And Expenses Of Merchandising, Jobbing And Contract Work	_	_	_	_		
417.1	Expenses Of Nonutility Operations						
418	Nonoperating Rental Income		_	_			
419	Interest And Dividend Income	-		-			
421	Miscellaneous Nonoperating Income	-	-	-	(0)		
426.1	Donations	-	1,513,100	1,513,100	. ,	Contributions are budgeted to occur at LKS,	
420.1	Dollations	·	1,313,100	1,313,100	1,233,370	but actuals were paid directly by KU, causing the majority of the variance. Also, there was an increase in community assistance programs such as Metromatch, HEA (Heating Assistance), and Project Warm.	
426.3	Penalties	_	_	_	_		
426.4	Expenditures For Certain Civic, Political And Related Activities	105,728	730,222	835,950	99,472		
426.5	Other Deductions	25,000	885,595	910,595	93,645		
431	Other Interest Expense	25,000	-	,10,5,5	-		
454	Rent From Electric Property	_	_	_	_		
456	Other Electric Revenues	_	_	_	_		
500	Operation Supervision And Engineering	_	5,688,793	5,688,793	438,459		
300	Operation Supervision rate Engineering		3,000,773	3,000,753	430,437		
501	Fuel	-	1,443,041	1,443,041	354,191		
502	Steam Expenses	-	-	-	(76,924)		
505	Electric Expenses	-	-	-	(23,018)		
506	Miscellaneous Steam Power Expenses	-	2,978,439	2,978,439	701,626		
510	Maintenance Supervision And Engineering	-	2,354,554	2,354,554	(7,286)		
511	Maintenance Of Structures	_	53,977	53,977	16,149		
512	Maintenance Of Boiler Plant	_	139,772	139,772	84,770		
513	Maintenance Of Electric Plant	_		-	(123,539)		
514	Maintenance Of Miscellaneous Steam Plant	_	21.564	21,564	7,065		
539	Miscellaneous Hydraulic Power Generation Expenses	_	-	-	-,305		
544	Maintenance Of Electric Plant	_	_	_	_		
546	Operation Supervision And Engineering	_	_	_	-		
549	Miscellaneous Other Power Generation Expenses	_	_	_	(470)		
553	Maintenance Of Generating And Electric Equipment	_	_	_	(498)		
554	Maintenance Of Miscellaneous Other Power Generation Plant	_	7,991	7,991	3,995		
556	System Control And Load Dispatching]	1,832,258	1,832,258	4,841		
557	Other Expenses	_	-,002,200	1,002,200	-,041		
560	Operation Supervision And Engineering]	1,937,097	1,937,097	292,035		

			Test Year ¹		Va	ariance Test Year to Base Year
FERC account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation
561.1	Load Dispatch-Reliability	-	574,105	574,105	45,815	
561.2	Load Dispatch-Monitor And Operate Transmission System	-	1,808,121	1,808,121	16,968	
561.3	Load Dispatch-Transmission Service And Scheduling	_	830.228	830,228	(25,819)	
561.5	Reliability, Planning And Standards Development	_	510,028	510,028	(65,012)	
561.6	Transmission Service Studies	_	510,020	510,020	(1,098)	
561.7	Generation Interconnection Studies	_	_	_	(1,525)	
562	Station Expenses	_	_	_	(69,053)	
563	Overhead Line Expenses	_	45,677	45,677	16,560	
566	Miscellaneous Transmission Expenses	-	3,237,297	3,237,297		Inadvertently included Independent Transmission Operator Services in the test year and July-December of the base period. These are convenience payments which are normally excluded.
567	Rents	_	_	_	(7,915)	•
570	Maintenance Of Station Equipment	_	679,628	679,628	28,910	
571	Maintenance Of Overhead Lines	_	246,407	246,407	(166,914)	
573	Maintenance Of Miscellaneous Transmission Plant	_	325,694	325,694	66,654	
580	Operation Supervision And Engineering	86,140	1,678,210	1,764,350	100,179	
581	Load Dispatching	-	352,344	352,344	(11,923)	
582	Station Expenses	=	=	-	(8,720)	
583	Overhead Line Expenses	-	1,740,933	1,740,933	335,044	
584	Underground Line Expenses	=	=	-	-	
586	Meter Expenses		793,477	793,477	77,926	
588	Miscellaneous Distribution Expenses	17,860	2,898,857	2,916,717	630,273	
590	Maintenance Supervision And Engineering	-	-	-	(2,855)	
592	Maintenance Of Station Equipment	-	- 225.072	-	(5,758)	
593	Maintenance Of Overhead Lines	-	235,072	235,072	(95,714)	
594	Maintenance Of Underground Lines	-	(2,126)	(2,126)	(2,126)	
595	Maintenance Of Line Transformers	-	266.621	266.621	120 (15	
598 901	Maintenance Of Miscellaneous Distribution Plant Supervision	-	266,621 4,030,885	266,621 4,030,885	130,615 375,306	
902	Meter Reading Expenses	-	225,777	225,777	29,401	
903	Customer Records And Collection Expenses	-	12,974,097	12,974,097	1,338,827	The increase is the result of higher labor cos in the test year, resulting from market adjustments and full staffing in the test year.
904	Uncollectible Accounts	-	-	-	(666,762)	
905	Miscellaneous Customer Accounts Expenses	-	-	-	(495)	

	, , , , , , , , , , , , , , , , , , ,	I	Test Year ¹		Variance Test Year to Base Year		
FERC Account	FERC Account Description	Direct Assignments	Indirect Allocations of Costs	Total	Variance Amount	Explanation	
907	Supervision	-	656,374	656,374	45,427		
908	Customer Assistance Expenses	666,478	704,792	1,371,270	(383,829)		
909	Informational And Instructional Advertising Expenses	-	1,859,148	1,859,148	1,573,739	Increase primarily due to educating customers on their energy choices and ways to reduce their usage through energy efficiency.	
910 912	Miscellaneous Customer Service And Informational Expenses Demonstrating And Selling Expenses	-	1,520,193	1,520,193	486,746		
913	Advertising Expenses	_	1,044,482	1,044,482	481,405		
920	Administrative And General Salaries	-	37,696,702	37,696,702		Variance is due primarily to full staffing reflected in the test year and an annual wage increase.	
921	Office Supplies And Expenses	181,758	9,446,642	9,628,400	2,135,306	Treasury charges are budgeted to occur at LKS, but some actuals were paid directly by KU. Also, certain facilities charges were inadvertently included in the test year and July-December of the base period. These are convenience payments which are normally	
923	Outside Services Employed	-	11,698,331	11,698,331	3,129,770	excluded. Outside Counsel fees are budgeted at LKS, but actuals were charged to KU. Also, there are increased communications costs to educate customers on energy choices and ways to reduce their usage through energy efficiency, and higher records storage and printing costs in the test year. In addition, there is an increase in budgeted contractor amounts to cover decreased headcount within IT Development as well as an increase for Enterprise GIS.	
924	Property Insurance	-	217,368	217,368	124,949		
925 926	Injuries And Damages Employee Pensions And Benefits	14,872 18,428,848	420,000 341,940	434,872 18,770,788	284,062 (1,879,621)		

		Test Year ¹			Variance Test Year to Base Year		
FERC	FERC Account Description	Direct Assignments	Indirect	Total	Variance	Explanation	
Account			Allocations of		Amount		
			Costs				
928	Regulatory Commission Expenses	-	68,817	68,817	33,676		
930.1	General Advertising Expenses	-	2,500	2,500	1,250		
930.2	Miscellaneous General Expenses	-	3,596,810	3,596,810	1,581,612	Inadvertently included company dues in the	
						test year and July-December of the base	
						period. These are convenience payments	
						which are normally excluded.	
931	Rents	-	2,566,185	2,566,185	(129,333)		
935	Maintenance Of General Plant	-	555,042	555,042	(204,615)		
Grand T	Total	49,660,838	171,819,165	221,480,003	18,141,827		

¹Actual dollars presented for calendar year 2014 through 2017 and June 2018 year to date include convenience payments. A convenience payment occurs when one affiliate, as a matter of convenience for the vendor, makes a payment on behalf of other affiliates and is subsequently reimbursed by those affiliates. Convenience payments (including, but not limited to, fuel purchases, reagent purchases, medical claims and pension funding) are excluded from the base period and the forecasted test period.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 49

Responding Witness: Christopher M. Garrett

- Q.1-49. Please provide a schedule showing the actual amount of property taxes paid by the Company during 2018 to each taxing authority and in total.
- A.1-49. The Company has paid \$16,056,464 in property tax through October 2018. See attached.

The 2018 Kentucky state property tax payment, approximately \$13.3 million, is expected to be paid during the fourth quarter of 2018.

Assessment **Payee Description** State Year Date Amount BARDSTOWN INDEPENDENT SCHOOL DISTRICT KY 2017 1/9/2018 6.662.87 KY 2017 CITY OF BEATTYVILLE 1/9/2018 2.598.35 KY CITY OF CALHOUN 2017 1/9/2018 1,245.80 KY 2017 CITY OF CLARKSON 1/9/2018 627.27 CITY OF DIXON KY 2017 1/9/2018 780.38 KY CITY OF EMINENCE 2017 1/9/2018 3,185.43 CITY OF JUNCTION CITY KY 2017 1/9/2018 871.79 KY 2017 CITY OF LAWRENCEBURG 1/9/2018 11,209.13 KY 2017 CITY OF LEITCHFIELD 1/9/2018 5,732.12 KY 2017 CITY OF LIVERMORE 1/9/2018 1,306.48 KY 2017 CITY OF MIDWAY 1/9/2018 2,025.70 CITY OF MORGANFIELD KY 2017 1/9/2018 64,115.95 CITY OF NEW CASTLE KY 2017 1/9/2018 352.52 CITY OF PINEVILLE KY 2017 1/9/2018 22,934.02 KY 2017 1,433.52 CITY OF SALEM 1/9/2018 KY 2017 CITY OF SALT LICK 1/9/2018 412.9 KY 2017 1/9/2018 167.05 CITY OF SLAUGHTERS 2017 CITY OF UNIONTOWN KY 1/9/2018 2,088.69 SHERIFF OF ADAIR COUNTY KY 2017 1/9/2018 38,100.19 SHERIFF OF BOYLE COUNTY KY 2017 1/9/2018 196,002.51 SHERIFF OF CHRISTIAN COUNTY KY 2017 1/9/2018 12,785.24 2017 1/9/2018 SHERIFF OF GARRARD COUNTY KY 194,836.34 KY 2017 SHERIFF OF GRAVES COUNTY 1/9/2018 1,052.32 1/9/2018 SHERIFF OF HENDERSON COUNTY KY 2017 61.118.22 KY 2017 SHERIFF OF WHITLEY COUNTY 1/9/2018 51,475.36 TAX COLLECTOR SPARTA KY 2017 1/9/2018 461.2 **BOARD OF EDUCATION DANVILLE INDEPENDENT** KY 2017 1/10/2018 244,487.76 CITY OF BEREA KY 2017 1/10/2018 406.97 KY 2017 CITY OF BERRY 1/10/2018 277.88 CITY OF BLOOMFIELD KY 2017 1/10/2018 1.383.72 KY 2017 CITY OF CARROLLTON 1/10/2018 10,935.15 1/10/2018 KY 2017 CITY OF CLAY 868.96 CITY OF CORINTH KY 2017 1/10/2018 449.02 CITY OF FRANKFORT KY 2017 1/10/2018 3,828.64 KY CITY OF HODGENVILLE 2017 1/10/2018 1,658.39 KY 2017 CITY OF LEBANON 1/10/2018 6,546.73 KY 2017 1/10/2018 CITY OF LONDON 11,354.51 KY 2017 1/10/2018 CITY OF LORETTO 625.07 KY 2017 CITY OF MANCHESTER 1/10/2018 5.143.10 CITY OF MAYSVILLE KY 2017 1/10/2018 9,016.96 CITY OF PRINCETON KY 2017 1/10/2018 75.79 CITY OF RADCLIFF KY 2017 1/10/2018 8,760.39 KY 2017 CITY OF RICHMOND 1/10/2018 37,281.52 KY 2017 CITY OF RUSSELL SPRINGS 1/10/2018 3,589.03 KY 2017 CITY OF SADIFVILLE 1/10/2018 354.47 KY 2017 1/10/2018 CITY OF SIMPSONVILLE 9.323.44 CITY OF SPRINGFIELD KY 2017 1/10/2018 3,188.60 **CITY OF STURGIS** KY 2017 1/10/2018 5,715.03 CITY OF VERSAILLES KY 2017 1/10/2018 2,041.73 CITY OF WINCHESTER KY 2017 1/10/2018 15,050.38 2017 KY 1/10/2018 SHERIFF OF ANDERSON COUNTY 84,211.66 KY 2017 SHERIFF OF BARREN COUNTY 1/10/2018 17,730.02 SHERIFF OF BELL COUNTY KY 2017 1/10/2018 417,618.94 SHERIFF OF BUTLER COUNTY KY 2017 1/10/2018 2,573.65 SHERIFF OF CALDWELL COUNTY KY 2017 1/10/2018 48,584.10

Assessment **Payee Description** State Year Date Amount SHERIFF OF CAMPBELL COUNTY KY 2017 1/10/2018 13.940.66 KY 2017 SHERIFF OF CARROLL COUNTY 1/10/2018 964,894.95 KY SHERIFF OF CLARK COUNTY 2017 1/10/2018 169,483.05 KY 2017 SHERIFF OF CLAY COUNTY 1/10/2018 44,256.37 SHERIFF OF DAVIESS COUNTY KY 2017 1/10/2018 88,952.19 KY SHERIFF OF FRANKLIN COUNTY 2017 1/10/2018 115,168.69 SHERIFF OF GRANT COUNTY KY 2017 1/10/2018 13,322.24 KY 2017 SHERIFF OF GRAYSON COUNTY 1/10/2018 56,051.31 KY 2017 SHERIFF OF GREEN COUNTY 1/10/2018 23,576.54 KY 2017 SHERIFF OF HARDIN COUNTY 1/10/2018 432,668.17 KY 2017 SHERIFF OF HARRISON COUNTY 1/10/2018 54,788.59 SHERIFF OF HENRY COUNTY KY 2017 1/10/2018 123,910.88 SHERIFF OF HICKMAN COUNTY KY 2017 1/10/2018 17,505.38 SHERIFF OF LEE COUNTY KY 2017 1/10/2018 23,911.93 KY 2017 1/10/2018 SHERIFF OF LESLIE COUNTY 3.681.02 KY 2017 SHERIFF OF LYON COUNTY 1/10/2018 60,195.54 KY 2017 SHERIFF OF MARION COUNTY 1/10/2018 117.098.16 SHERIFF OF MARSHALL COUNTY KY 2017 1/10/2018 5,196.22 SHERIFF OF MASON COUNTY KY 2017 1/10/2018 164,954.24 SHERIFF OF MCCREARY COUNTY KY 2017 1/10/2018 22,218.17 SHERIFF OF MCLEAN COUNTY KY 2017 1/10/2018 51,245.65 2017 1/10/2018 SHERIFF OF MERCER COUNTY KY 776,562.99 2017 SHERIFF OF NELSON COUNTY KY 1/10/2018 81,295.67 SHERIFF OF NICHOLAS COUNTY KY 2017 1/10/2018 29,326.07 2017 SHERIFF OF OHIO COUNTY KY 1/10/2018 115,122.11 SHERIFF OF OLDHAM COUNTY KY 2017 1/10/2018 110,346.97 SHERIFF OF PENDLETON COUNTY KY 2017 1/10/2018 46,880.11 1/10/2018 12,701.16 SHERIFF OF ROBERTSON COUNTY KY 2017 KY 2017 SHERIFF OF ROCKCASTLE COUNTY 1/10/2018 44,684.43 KY SHERIFF OF RUSSELL COUNTY 2017 1/10/2018 57,973.87 KY 2017 SHERIFF OF SCOTT COUNTY 1/10/2018 282,534.36 KY 2017 SHERIFF OF SHELBY COUNTY 1/10/2018 659,419,78 SHERIFF OF SPENCER COUNTY KY 2017 1/10/2018 49,018.47 KY 2017 1/10/2018 SHERIFF OF TRIMBLE COUNTY 523,580.78 SHERIFF OF UNION COUNTY KY 2017 1/10/2018 198,026.60 KY 2017 SHERIFF OF WASHINGTON COUNTY 1/10/2018 70,801.45 KY 2017 1/10/2018 SHERIFF OF WEBSTER COUNTY 72,337.91 KY 2017 1/10/2018 SHERIFF OF WOODFORD COUNTY 257.502.91 KY 2017 BOARD OF EDUCATION BURGIN INDPT 1/16/2018 59,392.64 **BOARD OF EDUCATION PARIS INDPT** KY 2017 1/16/2018 812.08 CITY OF BEAVER DAM KY 2017 1/16/2018 4,307.93 CITY OF BRODHEAD KY 2017 1/16/2018 1,353.10 KY CITY OF BUTLER 2017 1/16/2018 3,564.66 KY 2017 CITY OF CANEYVILLE 1/16/2018 683.62 KY 2017 CITY OF CARLISLE 1/16/2018 1,229.76 KY 2017 CITY OF CENTRAL CITY 1/16/2018 9,670.96 CITY OF DAWSON SPRINGS KY 2017 1/16/2018 11.421.53 CITY OF ELIZABETHTOWN KY 2017 1/16/2018 22,670.82 CITY OF GEORGETOWN KY 2017 1/16/2018 8,618.36 CITY OF GREENVILLE KY 2017 1/16/2018 9,215.04 KY 2017 CITY OF ISLAND 1/16/2018 436.82 CITY OF LOYALL 2017 KY 1/16/2018 2,816.83 KY 2017 CITY OF MADISONVILLE 1/16/2018 7,586.30 CITY OF MILLERSBURG KY 2017 1/16/2018 6,298.98 CITY OF MT VERNON KY 2017 1/16/2018 1,914.77

Assessment **Payee Description** State Year Date Amount CITY OF NEW HAVEN KY 2017 1/16/2018 1.595.18 CITY OF NICHOLASVILLE KY 2017 1/16/2018 4,580.82 KY CITY OF PLEASUREVILLE 2017 1/16/2018 58.54 KY 2017 CITY OF PROVIDENCE 1/16/2018 3,537.46 CITY OF SCIENCE HILL KY 2017 1/16/2018 1,344.60 KY CITY OF SHELBYVILLE 2017 1/16/2018 27,989.12 CITY OF SMITHFIELD KY 2017 1/16/2018 78.7 KY 2017 CITY OF SOMERSET 1/16/2018 59,113.78 KY 2017 CITY OF VINE GROVE 1/16/2018 7,475.22 KY 2017 CITY OF WILLIAMSBURG 1/16/2018 10,832.57 KY 2017 SHERIFF OF BOURBON COUNTY 1/16/2018 185,719.49 SHERIFF OF BRECKINRIDGE COUNTY KY 2017 1/16/2018 118,612.45 SHERIFF OF FULTON COUNTY KY 2017 1/16/2018 553.03 SHERIFF OF HART COUNTY KY 2017 1/16/2018 91,054.85 KY 2017 1/16/2018 SHERIFF OF HOPKINS COUNTY 513.444.89 KY 2017 SHERIFF OF LIVINGSTON COUNTY 1/16/2018 35,415.04 KY 2017 SHERIFF OF MADISON COUNTY 1/16/2018 399.634.29 SHERIFF OF OWSLEY COUNTY KY 2017 1/16/2018 4,476.49 SHERIFF OF ROWAN COUNTY KY 2017 1/16/2018 47,978.33 TAX COLLECTOR CENTERTOWN KY 2017 1/16/2018 740.28 TAX COLLECTOR CORBIN KY 2017 1/16/2018 1,194.32 2017 TAX COLLECTOR LAKEVIEW HEIGHTS KY 1/16/2018 221.89 2017 TAX COLLECTOR WILLIAMSBURG IND SCHOOLS KY 1/16/2018 13,135.84 **CLAIBORNE COUNTY TRUSTEE** TN 2017 1/17/2018 4,213.00 KY 2018 **FAYETTE COUNTY CLERK (VEHICLES)** 1/17/2018 4,538.37 CITY OF BURNSIDE KY 2017 1/30/2018 1,831.03 CITY OF CAMPBELLSBURG KY 2017 1/30/2018 480.31 CITY OF CROFTON KY 2017 1/30/2018 969.7 KY 2017 CITY OF CUMBERLAND 1/30/2018 4,376.87 KY CITY OF EVARTS 2017 1/30/2018 3,137.60 KY 2017 CITY OF GHENT 1/30/2018 2,814.52 CITY OF HENDERSON KY 2017 1/30/2018 11.235.57 CITY OF LIBERTY KY 2017 1/30/2018 3,109.04 CITY OF OWINGSVILLE KY 2017 1/30/2018 2,213.26 CITY OF POWDERLY KY 2017 1/30/2018 1,207.19 KY 2017 CITY OF SEBREE 1/30/2018 3,511.21 KY 2017 1/30/2018 CITY OF WARSAW 1,265.75 OFFICE OF THE FAYETTE COUNTY SHE KY 2017 1/30/2018 2,463,598.82 KY 2017 SHERIFF OF BATH COUNTY 1/30/2018 48,506.75 SHERIFF OF CASEY COUNTY KY 2017 1/30/2018 23,736.21 SHERIFF OF CRITTENDEN COUNTY KY 2017 1/30/2018 57,594.15 SHERIFF OF EDMONSON COUNTY KY 2017 1/30/2018 3,308.11 KY SHERIFF OF FLEMING COUNTY 2017 1/30/2018 32,879.48 KY 2017 SHERIFF OF GALLATIN COUNTY 1/30/2018 48,493.19 KY 2017 SHERIFF OF JESSAMINE COUNTY 1/30/2018 128.445.60 KY 2017 SHERIFF OF KNOX COUNTY 1/30/2018 131,100.10 SHERIFF OF LARUE COUNTY KY 2017 1/30/2018 101,619.85 SHERIFF OF LAUREL COUNTY KY 2017 1/30/2018 219,528.99 SHERIFF OF LINCOLN COUNTY KY 2017 1/30/2018 86,056.41 SHERIFF OF MONTGOMERY COUNTY KY 2017 1/30/2018 125,810.23 2017 KY SHERIFF OF MUHLENBERG COUNTY 1/30/2018 283,403.30 2017 SHERIFF OF PULASKI COUNTY KY 1/30/2018 120,057.09 KY 2017 TAX COLLECTOR HARLAN IND SCHOOL 1/30/2018 27,915.83 TAX COLLECTOR SPARTA KY 2017 1/30/2018 15.45 CITY OF CAVE CITY KY 2017 2/13/2018 1,395.65

Assessment **Payee Description** State Year Date Amount CITY OF EDDYVILLE KY 2017 2/13/2018 8.307.50 KY 2017 CITY OF FALMOUTH 2/13/2018 2.838.73 KY CITY OF FLEMINGSBURG 2017 2/13/2018 1,482.42 KY 2017 CITY OF HARRODSBURG 2/13/2018 4,649.38 CITY OF JAMESTOWN KY 2017 2/13/2018 4,195.49 KY CITY OF LAGRANGE 2017 2/13/2018 2,915.77 CITY OF LIBERTY KY 2016 2/13/2018 2,860.42 KY 2017 CITY OF MARION 2/13/2018 4,251.10 KY 2017 CITY OF NORTONVILLE 2/13/2018 2,363.52 KY 2017 2/13/2018 2,564.34 CITY OF RAVENNA KY 2017 CITY OF SACRAMENTO 2/13/2018 596.09 CITY OF SHARPSBURG KY 2017 2/13/2018 535.13 CITY OF WILMORE KY 2017 2/13/2018 9,816.88 SHERIFF OF ESTILL COUNTY KY 2017 2/13/2018 61,583.15 KY 2017 2/13/2018 32,953.41 SHERIFF OF HANCOCK COUNTY KY 2017 SHERIFF OF HARLAN COUNTY 2/13/2018 433,311.38 KY 2017 SHERIFF OF JEFFERSON COUNTY 2/13/2018 995,439,85 SHERIFF OF LETCHER COUNTY KY 2017 2/13/2018 1,311.94 CITY OF BARDSTOWN KY KY 2017 2/27/2018 1,445.38 CITY OF CORYDON KY 2017 2/27/2018 905.55 CITY OF CRAB ORCHARD KY 2017 2/27/2018 485.85 2017 CITY OF HARTFORD KY 2/27/2018 7,911.18 2017 CITY OF MOREHEAD KY 2/27/2018 8,453.52 KY 2017 6,034.43 CITY OF PARIS 2/27/2018 2017 CITY OF WHITE PLAINS KY 2/27/2018 128.43 SHERIFF OF BRACKEN COUNTY KY 2017 2/27/2018 73,670.79 **FAYETTE COUNTY CLERK (VEHICLES)** KY 2018 2/28/2018 212,840.46 KENTUCKY STATE TREASURER (VEHICLES) KY 2018 3/7/2018 1,090.57 KY 2017 **BOARD OF EDUCATION AUGUSTA** 3/27/2018 13,850.92 KY CITY OF AUGUSTA 2017 3/27/2018 5,037.58 KY 2017 CITY OF CYNTHIANA 3/27/2018 4,356.00 KY 2017 CITY OF EUBANK 3/27/2018 423.05 **CITY OF HANSON** KY 2017 3/27/2018 113.61 KY 2017 3/27/2018 CITY OF IRVINE 8,063.45 CITY OF MORTONS GAP KY 2017 3/27/2018 1,434.23 KY 2017 CITY OF MT STERLING 3/27/2018 11,217.83 2017 KY SHERIFF OF MCCRACKEN COUNTY 3/27/2018 74,734.56 4/5/2018 KY 2017 KNOX COUNTY SHERIFF 62.00 KY 2017 4/6/2018 CITY OF BROOKSVILLE 2.505.54 SHERIFF OF BULLITT COUNTY KY 2017 4/6/2018 12,810.25 TAX COLLECTOR BURGIN KY 2013 4/6/2018 878.45 TAX COLLECTOR BURGIN KY 2014 4/6/2018 614.54 2015 KY TAX COLLECTOR BURGIN 4/6/2018 294.21 KY 2016 TAX COLLECTOR BURGIN 4/6/2018 304.09 KY 2017 364.95 TAX COLLECTOR BURGIN 4/6/2018 **FAYETTE COUNTY CLERK (VEHICLES)** KY 2018 4/16/2018 409.28 VA 2018 5/1/2018 55,813.17 **Russell County** VA 2018 5/1/2018 8,833.25 Russell County - St. Paul VA 2018 5/1/2018 506.79 Wise County VA 2018 5/1/2018 149,114.79 2011 KY TAX COLLECTOR BURGIN 5/7/2018 1,881.64 KY 2012 TAX COLLECTOR BURGIN 5/7/2018 2,658.48 WISE COUNTY TREASURER VA 2017 5/8/2018 460.66 CITY OF GLENCOE KY 2017 372.11 5/29/2018 Coeburn VA 2017 5/29/2018 3,377.86

		Assessment		
Payee Description	State	Year	Date	Amount
SHERIFF OF PERRY COUNTY	KY	2017	5/29/2018	2,534.64
FAYETTE COUNTY CLERK (VEHICLES)	KY	2018	6/13/2018	297.22
CITY OF BARLOW	KY	2017	7/2/2018	4,571.48
CITY OF GREENSBURG	KY	2017	7/2/2018	2,466.39
CITY OF KEVIL	KY	2017	7/2/2018	1,627.51
CITY OF LA CENTER	KY	2017	7/2/2018	2,962.26
SHERIFF OF BALLARD COUNTY	KY	2017	7/2/2018	59,427.11
CITY OF COLUMBIA	KY	2016	7/3/2018	5,595.41
CITY OF COLUMBIA	KY	2017	7/3/2018	5,309.84
TAX COLLECTOR WICKLIFFE	KY	2017	7/3/2018	2,508.31
FAYETTE COUNTY CLERK (VEHICLES)	KY	2018	8/14/2018	56,612.84
CITY OF FERGUSON	KY	2017	8/24/2018	610.33
CITY OF MT OLIVET	KY	2017	8/24/2018	634.73
CITY OF STANFORD	KY	2017	9/17/2018	1,614.03
SHERIFF OF CARLISLE COUNTY	KY	2017	9/17/2018	5,619.70
FAYETTE COUNTY CLERK (VEHICLES)	KY	2018	9/19/2018	1,125.69
Dickenson County	VA	2018	10/3/2018	2,450.43
Norton	VA	2018	10/3/2018	56,141.10
Pennington Gap	VA	2018	10/3/2018	6,181.65
Scott County	VA	2018	10/3/2018	7,046.74
Wise County	VA	2018	10/3/2018	149,114.75
CITY OF NORTON (VEHICLES)	VA	2018	10/5/2018	17,397.54
WISE COUNTY TREASURER (VEHICLES)	VA	2018	10/5/2018	6,850.33
GALLATIN COUNTY SHERIFF	KY	2018	10/10/2018	813.13
KNOX COUNTY SHERIFF	KY	2018	10/10/2018	51.65
Jonesville	VA	2018	10/18/2018	3,167.32
Lee County	VA	2018	10/18/2018	177,529.40
CITY OF SONORA	KY	2017	10/19/2018	1,078.41
Lee County	VA	2018	10/19/2018	339.66
Wise County	VA	2018	10/19/2018	7,812.44
PARIS INDEPENDENT SCHOOLS	KY	2018	10/25/2018	587.25
				16,056,463.80

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 50

Responding Witness: Christopher M. Garrett

- Q.1-50. For each taxing authority to which aggregate property tax payments exceeding \$10,000 were made in 2018, please indicate the method of assessing asset value and whether the asset base includes or excludes CWIP in the determination of the assessed value used to determine the amount of taxes to be paid.
- A.1-50. The Company is "Centrally Assessed" by state taxing authorities. The asset base includes CWIP in the assessed value.

Response to First Set of Data Requests of Kentucky Industrial Utility Customers, Inc. Dated November 13, 2018

Case No. 2018-00294

Question No. 51

Responding Witness: Christopher M. Garrett

- Q.1-51. For each taxing authority to which aggregate property tax payments exceeding \$10,000 were made in 2018, please indicate the time of the year when value assessments were made and when payments were due. If there are any known changes related to base year and test year assessments and changes, please describe.
- A.1-51. The Company's 2017 Assessment was finalized in December 2017. Payments associated with the assessment are paid when the invoice is received from the State and Local taxing authorities. The State payment was made during the fourth quarter 2017 and the Local payments were made in 2018. There are no known changes related to the base year and the test year assessments from the filing other than normal plant additions.