COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

JOINT APPLICATION OF LOUISVILLE GAS & ELECTRIC COMPANY AND KENTUCKY UTILITIES COMPANY FOR CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY FOR THE CONSTRUCTION OF A COMBINED CYCLE COMBUSTION TURBINE AT THE GREEN RIVER GENERATING STATION AND A SOLAR PHOTOVOLTAIC FACILITY AT THE E.W. BROWN GENERATING STATION

CASE NO. 2014-00002

NOTICE OF FILING

Notice is given to all parties that the following materials have been filed into the

record of this proceeding:

- The digital video recording of the evidentiary hearing conducted on November 24, 2014 in this proceeding;

- Certification of the accuracy and correctness of the digital video recording;

- All exhibits introduced at the evidentiary hearing conducted on November 24, 2014 in this proceeding;

- A written log listing, *inter alia*, the date and time of where each witness' testimony begins and ends on the digital video recording of the evidentiary hearing conducted on November 24, 2014.

A copy of this Notice, the certification of the digital video record, hearing log, and

exhibits have been electronically served upon all persons listed at the end of this Notice.

Parties desiring an electronic copy of the digital video recording of the hearing in

Windows Media format may download a copy at: http://psc.ky.gov/av broadcast/2014-

Parties

wishing an annotated digital video recording may submit a written request by electronic mail to pscfilings@ky.gov. A minimal fee will be assessed for a copy of this recording. Done at Frankfort, Kentucky, this 15th day of December 2014.

Linde Saulkner

Linda Faulkner Director, Filings Division Public Service Commission of Kentucky

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COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

JOINT APPLICATION OF LOUISVILLE GAS & ELECTRIC COMPANY AND KENTUCKY UTILITIES COMPANY FOR CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY FOR THE CONSTRUCTION OF A COMBINED CYCLE COMBUSTION TURBINE AT THE GREEN RIVER GENERATING STATION AND A SOLAR PHOTOVOLTAIC FACILITY AT THE E.W. BROWN GENERATING STATION)))) CASE NO. 2014-00002)))
JOINT APPLICATION OF LOUISVILLE GAS AND ELECTRIC COMPANY AND KENTUCKY UTILITIES COMPANY FOR SITE COMPATIBILITY CERTIFICATES FOR THE CONSTRUCTION OF A COMBINED CYCLE COMBUSTION TURBINE AT THE GREEN RIVER GENERATING STATION AND A SOLAR PHOTOVOLTAIC FACILITY AT THE E.W. BROWN GENERATING STATION))) CASE NO. 2014-00133))

CERTIFICATE

I, Sonya Harward, hereby certify that:

1. The attached DVD contains a digital recording of the Hearing conducted in

the above-styled proceeding on November 24, 2014. Hearing Log, Exhibits, Exhibit

List, and Witness List are included with the recording on November 24, 2014.

- 2. I am responsible for the preparation of the digital recording.
- 3. The digital recording accurately and correctly depicts the Hearing of

November 24, 2014.

4. The "Exhibit List" attached to this Certificate correctly lists all exhibits introduced at the hearing of November 24, 2014.

5. The "Hearing Log" attached to this Certificate accurately and correctly states the events that occurred at the Hearing of November 24, 2014 and the time at which each occurred.

Given this 24th day of November, 2014.

Sonya Harward (Boyd), Notary Public State at Large My commission expires: August 27, 2017

> Case No. 2014-00002 Case No. 2014-00133



2014-00002 & 2014-00133_24Nov14

LG&E and KU

Date:	Туре:	Location:	Department:
11/24/2014	Other	Public Service	Hearing Room 1 (HR 1)
		Commission	

Judge: David Armstrong; Linda Breathitt; Jim Gardner

Witness: Gregory Meiman - LG&E/KU; Gary Revlett - LG&E/KU; David Sinclair - LG&E/KU; Edwin Staton - LG&E/KU; Paul Thompson - LG&E/KU; John Voyles - LG&E/KU

Clerk: Sonya Harward

Event Time	Log Event	
9:53:25 AM	Session Started	
9:53:29 AM	Session Paused	
10:06:03 AM	Session Resumed	
10:06:05 AM	Chairman David Armstrong Pr	eliminary Comments
	Note: Harward, Sonya	Introduces Vice Chairman Jim Gardner and Commissioner Linda Breathitt.
10:07:10 AM	Attys. Lindsey Ingram and All	yson Sturgeon for LG&E/KU
10:07:24 AM	Attys. Greg Dutton and Larry	Cook for the AG
10:07:31 AM	Attys. Joe Childers and Matthe	ew Gearheart for Sierra Club
10:07:40 AM	Atty. Kurt Boehm for KIUC	
10:07:51 AM	Attys. Quang Nguyen and Ann	n Ramser for PSC
10:07:59 AM	Outstanding Motions	
	Note: Harward, Sonya	Deviation from Publication and Confidentiality.
10:09:06 AM	Public Comment	
	Note: Harward, Sonya	No one present to comment.
10:11:18 AM	Witness Paul Thompson takes	the stand and is sworn in.
	Note: Harward, Sonya	Chief Operating Officer for LG&E/KU
10:12:22 AM	Atty. Ingram Direct Exam of V	Vitness Thompson
	Note: Harward, Sonya	Confirms that testimony is still accurate.
	Note: Harward, Sonya	Describes the basic terms of the Stipulation.
10:13:46 AM	Atty. Dutton Cross Exam of W	litness Thompson
	Note: Harward, Sonya	Asking about the nameplate capacity, when project is projected to come online, and cost of project.
10:14:50 AM	Atty. Nguyen Cross Exam of V	Vitness Thompson
10:15:37 AM	Atty. Nguyen to Witness Thon	npson
	Note: Harward, Sonya	Asking Witness to explain companies' reasons to continue with Brown facility in light of a need for that facility.
10:17:34 AM	Vice Chairman Gardner Cross	Exam of Witness Thompson
	Note: Harward, Sonya	Asking about 1-year extension to run Green River.
10:19:34 AM	Vice Chairman Gardner to Wit	
	Note: Harward, Sonya	Asking about reason they chose not to shut down the two units in early 2015.
10:20:45 AM	Vice Chairman Gardner to Wit	ness Thompson
	Note: Harward, Sonya	Asking about Tyrone and Cane Run stations being closed or open during the polar vortex - trying to get a general idea about how much they were run
	Note: Harward, Sonya	Also asked about Green River 3 and 4.
10:22:56 AM	Vice Chairman Gardner to Wit	
	Note: Harward, Sonya	Asking if companies continue to look at joining an RTO.

10:24:40 AM	Commissioner Breathitt Cross Ex	am of Witness Thompson
	Note: Harward, Sonya	Asking about 30 percent tax credit benefit and if it would come off
		of the \$36 million.
10:26:19 AM	Commissioner Breathitt to Witne	
	Note: Harward, Sonya	Asking if the solar output would be dispatched regularly, how it fits into the economic dispatch, and can customers request green power.
10:28:32 AM	Vice Chairman Gardner to Witne	
101201027117	Note: Harward, Sonya	Asking if they have been approached by any companies that would like a renewable or solar tariff.
10:29:28 AM	Atty. Ingram Re-Direct Exam of	Witness Thompson
10:29:52 AM	Atty. Ingram to Witness Thomps	son
	Note: Harward, Sonya	Clarifying about Green River 3 and 4 extension.
10:30:36 AM	Witness Thompson dismissed from	om the stand.
10:30:44 AM	Witness David Sinclair takes the	stand and is sworn in.
	Note: Harward, Sonya	V.P. of Energy Supply and Analysis for LG&E/KU
10:31:51 AM	Atty. Ingram Direct Exam of Wit	ness Sinclair
	Note: Harward, Sonya	Confirms that testimony is still accurate.
10:32:44 AM	Atty. Dutton Cross Exam of Witn	ess Sinclair
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, Exhibit 2.
10:37:02 AM	Atty. Dutton to Witness Sinclair	
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, page 12, line 4, asking Witness to read.
10:38:32 AM	Atty. Dutton to Witness Sinclair	
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, Exhibit 2, regarding 2017 forecasted combined energy requirement.
10:41:49 AM	Atty. Dutton to Witness Sinclair	
	Note: Harward, Sonya	Asking about direct comparison of Brown Solar facility to wind energy alternatives.
10:42:37 AM	Atty. Dutton to Witness Sinclair	
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, page 12, lines 1-4, asking Witness to read.
	Note: Harward, Sonya	Compares to original Direct Testimony, DSS1.
10:43:57 AM	Atty. Dutton requests to go into	Confidential Session
10:44:20 AM	Atty. Ingram Response	
	Note: Harward, Sonya	Agrees on confid. session - asks that audience who have not signed confidentiality agreement be excused.
10:45:01 AM	Chairman Armstrong asks audier	nce to leave for confid. session
10:45:32 AM	Private Recording Activated	
11:12:24 AM	Public Recording Activated	
11:12:26 AM	Confidential Session Ends	
	Note: Harward, Sonya	Public can return to Hearing
11:12:27 AM	Exhibits	
	Note: Harward, Sonya	AG Exhibits 1 and 2 were entered into the Hearing during confidential session but the Exhibits contain non-confidential information.
11:13:08 AM	Atty. Dutton Continues Cross Exa	am of Witness Sinclair
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, page 12, regarding reducing potential future CO2 compliance costs.
11:14:28 AM	Atty. Dutton to Witness Sinclair	
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, page 12, regarding the only thing being certain is that there will be an investment tax credit.

11:15:58 AM	Atty. Gearheart Cross Exam of	Witness Sinclair
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 27, line 19-22, regarding decline in solar panels prices.
11:17:48 AM	Atty. Gearheart to Witness Sind	clair
	Note: Harward, Sonya	Asking aboug REC prices and how they impact economics.
11:18:37 AM	Atty. Dutton - Objection	
	Note: Harward, Sonya	Intervenors were not supposed to ask questions unless its in support of the Stipulation.
11:19:02 AM	Atty. Gearheart - Response to	Objection
11:19:23 AM	Atty. Ingram - Response to Ob	jection
	Note: Harward, Sonya	No objection to this line of questioning.
11:19:44 AM	Atty. Gearheart to Witness Sind	clair
	Note: Harward, Sonya	Asking about Clean Power Plan.
11:21:11 AM	Atty. Gearheart to Witness Sind	clair
	Note: Harward, Sonya	Asking about value to capacity related to deferring the need for additional generation.
11:23:47 AM	Vice Chairman Gardner Cross E	ixam of Witness Sinclair
	Note: Harward, Sonya	Referencing Application, paragraph 4.
11:24:54 AM	Vice Chairman Gardner to Witn	ess Sinclair
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 5, regarding sales forecast and use of factor for elasticity demand.
11:25:42 AM	POST HEARING DATA REQUES	
	Note: Harward, Sonya	Provide the price elasticity coefficient factor.
11:26:23 AM	Vice Chairman Gardner to Witn	
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 6, lines 16-18.
11:27:48 AM	Vice Chairman Gardner to Witn	
	Note: Harward, Sonya	Asking for general comment about what the results do with respect to the 2013/2014 load forecast.
11:29:04 AM	Vice Chairman Gardner to Witn	
	Note: Harward, Sonya	Asking what the Consensus Forecasting Group is calling for.
11:30:14 AM	Vice Chairman Gardner to Witn	
	Note: Harward, Sonya	Referencing Witness's Direct Testiomony, page 17, Table 5, and Witness's Supplemental Testimony, page 7, lines 2-4.
11:35:07 AM	Vice Chairman Gardner to Witn	
	Note: Harward, Sonya	Referencing Witness's Direct Testiomony, page 35, lines 6-8,
11:36:10 AM	POST HEARING DATA REQUES	
	Note: Harward, Sonya	Provide the levelized cost of electricty (per kW).
11:39:06 AM	Vice Chairman Gardner to Witn	
11.42.22 AM	Note: Harward, Sonya	Asking what is available to sell as RECs.
11:42:22 AM	Vice Chairman Gardner to Witn	Asking what an average capacity factor is for a place like Arizona for
	Note: Harward, Sonya	solar power.
11:43:37 AM	Commissioner Breathitt Cross E	
11:44:19 AM	Commissioner Breathitt to Witn	
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, page 14, lines 13- 17.
11:46:26 AM	Commissioner Breathitt to Witn	ess Sinclair
	Note: Harward, Sonya	Asking about solar output in winter months in Kentucky. [Witness references response to AG's 1st Request, Item 158.]
11:47:55 AM	Commissioner Breathitt to Witn	
	Note: Harward, Sonya	Asking how long the companies have had the Green Choice program.
11:48:31 AM	Atty. Nguyen Re-Cross Exam of	Witness Sinclair
	Note: Harward, Sonya	Asking about Ohio REC Market, and the impact on the price of KY RECs.

11:50:38 AM	Vice Chairman Gardner Re-Cross I Note: Harward, Sonya	Exam of Witness Sinclair Asking for the length of time that a REC is good for.
11:52:12 AM	Vice Chairman Gardner to Witness	Sinclair
	Note: Harward, Sonya	Referencing Witness's Testimony, DSS1, Table 4, regarding seven DSM programs.
11:53:26 AM	Witness dismissed from the stand	
11:53:59 AM	Break for Lunch	
11:54:09 AM	Session Paused	
1:05:17 PM	Session Resumed	
1:05:29 PM	Chairman Armstrong - Notes the c	ases we are hearing
1.05.25111	Note: Harward, Sonya	2014-00002 and 2014-00133
1:07:18 PM	Witness John Voyles takes the sta	
1.07.10111	Note: Harward, Sonya	V.P. of Energy Supply and Analysis for LG&E/KU
1:08:22 PM	Atty. Ingram Direct Exam of Witne	
1.00.22 111	Note: Harward, Sonya	Confirms that testimony is still accurate, with adjustments to some schedules.
1:09:55 PM	Atty. Nguyen Cross Exam of Witne	
1.05.55111	Note: Harward, Sonya	Asking for the expectant useful life of the Brown station.
1:10:32 PM	Atty. Nguyen to Witness Voyles	Asking for the expectant useral me of the brown station.
1.10.52 111	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 14, cost of solar
	Note: Harward, Sonya	facility.
1:12:26 PM	Atty. Nguyen to Witness Voyles	radine fr
11111101111	Note: Harward, Sonya	Referencing the Stipulation, page 4, paragraph 5.
1:14:20 PM	Vice Chairman Gardner Cross Exar	
111 1120 111	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 7, regarding 'netting
	Hoter Harmara, conja	out'.
1:15:37 PM	Vice Chairman Gardner to Witness	Voyles
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 13, lines 18-20.
1:16:17 PM	Vice Chairman Gardner to Witness	
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 14, lines 5-7.
1:17:05 PM	Witness Voyles	
	Note: Harward, Sonya	Suggests the Vice Chairman see the response to PSC's 1st Request,
		Item 31, Table.
1:17:35 PM	Vice Chairman Gardner to Witness	
	Note: Harward, Sonya	Asking Witness follow-up questions asked to Witness Sinclair
Sector Sector		regarding Brown.
1:19:25 PM	Chairman Armstrong Cross Exam	
		Asking about soil that will be used.
1:20:31 PM	Commissioner Breathitt Cross Exar	
	Note: Harward, Sonya	Asking about economic dispatch.
1:21:19 PM	Commissioner Breathitt to Witness	
	Note: Harward, Sonya	Asking about Dicks River and Ohio Falls Hydro facilities and how many MW they produce.
1:24:54 PM	Commissioner Breathitt to Witness	Voyles
	Note: Harward, Sonya	Asking about variablity there is in the 130+.
1:25:48 PM	Vice Chairman Gardner to Witness	Voyles
	Note: Harward, Sonya	Asking about Green and the transmission issues that may be impacting the closing of Green.
1:30:16 PM	Commissioner Breathitt to Witness	
	Note: Harward, Sonya	Asking if Hydro is in the companies' Green program.
1:31:06 PM	Witness Voyles dismissed from the	stand.
1:31:14 PM	Witness Gary Revlett takes the sta	
	Note: Harward, Sonya	Director of Environmental Affairs for LG&E/KU

1:32:08 PM	Atty. Ingram Direct Exam Witn	ess Revlett
	Note: Harward, Sonya	Confirms that testimony is still accurate.
1:33:17 PM	Vice Chairman Gardner Cross E	Exam of Witness Revlett
	Note: Harward, Sonya	Asking about Clean Power Plant, regarding the draft proposal and a greater chance that there will be carbon regulation.
1:34:53 PM	Witness dismissed from the sta	and.
1:35:04 PM	Witness Edwin Staton takes the	e stand and is sworn in.
	Note: Harward, Sonya	V.P. of State Regulation and Rates
1:35:44 PM	Atty. Ingram Direct Exam Witn	ess Staton
	Note: Harward, Sonya	Confirms that testimony is still accurate.
1:36:25 PM	Atty. Nguyen Cross Exam of W	itness Staton
	Note: Harward, Sonya	Asking about flowing through revenues for benefit of the ratepayers.
1:37:26 PM	POST HEARING DATA REQUES	T per Atty. Nguyen
	Note: Harward, Sonya	Provide an explanation of how the revenues will flow through for the benefits of the ratepayers.
1:37:38 PM	Vice Chairman Gardner Cross E	xam of Witness Staton
	Note: Harward, Sonya	Asking about the companies' jurisdictional seperation study.
1:38:36 PM	Vice Chairman Gardner to With	less Staton
	Note: Harward, Sonya	Referencing Witness's Testimony, page 3, lines 17-18.
1:39:00 PM	Commissioner Breathitt Cross E	
	Note: Harward, Sonya	Asking about monies gained from sales of solar being flowed back with those percentages.
1:39:48 PM	Atty. Ingram Re-Direct Exam o	f Witness Staton
	Note: Harward, Sonya	Asking about the companies not having decided how revenues will be returned to customers.
1:40:32 PM	Witness Staton dismissed from	the stand.
1:40:37 PM	Witness Greg Meiman takes the	e stand and is sworn in.
	Note: Harward, Sonya	Director of Corporate Tax and Benefit Plan Compliance for LG&E/KU
1:41:14 PM	Atty. Ingram Re-Direct Exam o	f Witness Staton
	Note: Harward, Sonya	Confirms that testimony is still accurate.
1:41:52 PM	Atty. Nguyen Cross Exam of W	itness Meiman
	Note: Harward, Sonya	Asking about 30 percent tax credit being applied to the entire \$36 million amount.
1:42:57 PM	Witness Meiman dismissed from	n the stand.
1:43:17 PM	No Briefs	
1:43:44 PM	Responses to Post Hearing Dat	a Request due by Dec. 8
1:45:28 PM	Chairman Armstrong - Swears	all Parties to Stipulation and Settlement Agreement
	Note: Harward, Sonya	Attys. Ingram, Sturgeon, Gearheart, Childers, and Boehm stood to be sworn.
1:46:36 PM	Hearing Adjourned	
1:46:41 PM	Session Paused	
6:40:25 PM	Session Ended	



Name:	Description:
AG - Exhibit 1	This Exhibit was introduced and entered in confidential session but contains non- confidential information.
AG - Exhibit 2	This Exhibit was introduced and entered in confidential session but contains non- confidential information.

AG EXHIBIT 1

(This Exhibit was introduced and entered during the Confidential Hearing Session, but does not contain any CONFIDENTIAL information)

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2013 State of the Market

19 May 2014

SPP Market Monitoring Unit



AG - Exhibit 1

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C. Market Prices

Regional Price Comparison

A useful measure of basic market competitiveness is the comparison of prices between SPP and its neighboring regions. If prices in neighboring regions are generally in line with prices in the SPP region, then basic market operations are yielding similar results. It is not realistic to expect prices to be identical across the regions, as market structures vary, resource fleet technologies and fuel mixes are different, and fuel supply costs are dissimilar. For this review, SPP prices are compared to prices in MISO and ERCOT, the two electric wholesale markets adjacent to SPP.

Figure II.3 shows 2013 monthly and yearly system average prices for SPP, MISO and ERCOT. In general, the SPP monthly system prices were lower than other regions⁶ for the last three years. Some of the drivers for the low EIS Market prices include relative proximity to inexpensive Powder River Basin coal, substantial low cost capacity consisting of coal, wind, and nuclear, and a high reserve margin.

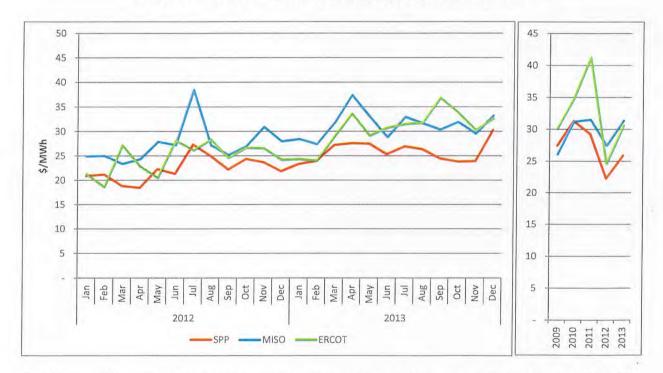


Figure II.3 Regional Monthly and Yearly Prices Comparison

Another useful means of comparing prices across regions is to review overall price stability. The volatility shown in Figure II.4 represents the average volatility for the system-wide hourly prices.

⁶ SPP market prices do not include the loss component while MISO and ERCOT market prices include the loss component.

AG EXHIBIT 2

(This Exhibit was introduced and entered during the Confidential Hearing Session, but does not contain any CONFIDENTIAL information) ReportAnnual Energy Outlook 2014 Early ReleaseScenarioref2014Reference caseDatekeyd102413aRelease DateDecember 2013

3. Energy Prices by Sector and Source

(2012 dollars per million Btu, unless otherwise noted)

Sector and Source	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2025	2030	2035	2040
and appendix a sub-sub-			a) With an an	1944 - 1944 - 197							al construction and the			
Prices in Nominal Dollars			••••••											
Electric Power 8/												******		
Distillate Fuel Oil	23.37	24.12	24.30	23.35	21,44	21.07	21.11	21.64	22.52	23,40	28.26	33,18	39.74	47.77
Residual Fuel Oil	15.67	20.68	19.27	18.27	13.65	13.40	14.13	14.47	15.03	15.70	19.21	23.08	27.92	33.86
Natural Gas	4.80	3.44	4.39	4.62	4.65	4.77	5.07	5.56	5.77	5.75	7.09	8.74	10.85	13.53
Steam Coal	2.38	2.39	2.41	2,41	2.52	2,58	2.69	2.80	2.89	2.96	3.42	3,94	4.54	5.29
		- A second												

Source: http://www.eia.gov/dnav/ng/hist/rngwhhdm.htm