COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

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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
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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-

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.

Linda Faulkner

Director, Filings Division

Public Service Commission of Kentucky

Rick E Lovekamp Manager - Regulatory Affairs LG&E and KU Energy LLC 220 West Main Street Louisville, KENTUCKY 40202 Ed Staton LG&E and KU Energy LLC 220 West Main Street Louisville, KENTUCKY 40202 Honorable Allyson K Sturgeon Senior Corporate Attorney LG&E and KU Energy LLC 220 West Main Street Louisville, KENTUCKY 40202

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



Session Report - Detail

2014-00002 & 2014-00133_24Nov14 LG&E and KU

Date:	Type:	Location:	Department:
	Other	Public Service Commission	Hearing Room 1 (HR 1)

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 Ally	yson Sturgeon for LG&E/KU					
10:07:24 AM	Attys. Greg Dutton and Larry						
10:07:31 AM	Attys. Joe Childers and Matthe						
10:07:40 AM	Atty. Kurt Boehm for KIUC						
10:07:51 AM	Attys. Quang Nguyen and Ann	Ramser for PSC					
10:07:59 AM	Outstanding Motions						
2010/1021	Note: Harward, Sonya	Deviation from Publication and Confidentiality.					
10:09:06 AM	Public Comment	Sevialish Hemit assistation and serminative					
10.03.00 /11	Note: Harward, Sonya	No one present to comment.					
10:11:18 AM	Witness Paul Thompson takes						
10.11.10 A	Note: Harward, Sonya	Chief Operating Officer for LG&E/KU					
10:12:22 AM	Atty. Ingram Direct Exam of Witness Thompson						
10.12.22 711	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						
10.13.40 A	Note: Harward, Sonya	Asking about the nameplate capacity, when project is projected to					
	Note: Harward, Sorrya	come online, and cost of project.					
10:14:50 AM	Atty Nauven Cross Exam of W						
10:15:37 AM	Atty. Nguyen Cross Exam of Witness Thompson Atty. Nguyen to Witness Thompson						
10.13.37 AM	Note: Harward, Sonya	Asking Witness to explain companies' reasons to continue with					
	Note: Harwara, Sonya	Brown facility in light of a need for that facility.					
10:17:34 AM	Vice Chairman Gardner Cross						
10.17.15 17.11	Note: Harward, Sonya	Asking about 1-year extension to run Green River.					
10:19:34 AM	Vice Chairman Gardner to Witi						
10.15.5 711	Note: Harward, Sonya	Asking about reason they chose not to shut down the two units in					
	Note: Harwara, Sonya	early 2015.					
10:20:45 AM	Vice Chairman Gardner to Witi						
201201137111	Note: Harward, Sonya	Asking about Tyrone and Cane Run stations being closed or open					
	riote. Harwara, Sonya	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 Witr						
	Committee to mile						

10:24:40 AM	Commissioner Breathitt Cross Ex	cam of Witness Thompson
10.24.40 AM	Note: Harward, Sonya	Asking about 30 percent tax credit benefit and if it would come off
	110101 11011101 07 00170	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	
	Note: Harward, Sonya	Asking if they have been approached by any companies that would
10-20-20 414	Att. Towns De Dinest France of	like a renewable or solar tariff.
10:29:28 AM	Atty. Ingram Re-Direct Exam of	
10:29:52 AM	Atty. Ingram to Witness Thomps	
10.20.2C AM	Note: Harward, Sonya	Clarifying about Green River 3 and 4 extension.
10:30:36 AM	Witness Thompson dismissed from	
10:30:44 AM	Witness David Sinclair takes the	
10:31:51 AM	Note: Harward, Sonya Atty. Ingram Direct Exam of Wit	V.P. of Energy Supply and Analysis for LG&E/KU
10:31:31 AM	Note: Harward, Sonya	Confirms that testimony is still accurate.
10:32:44 AM	Atty. Dutton Cross Exam of Witn	
10.32.44 AM	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, Exhibit 2.
10:37:02 AM	Atty. Dutton to Witness Sinclair	Referencing withess's Supplemental Testimony, Exhibit 2.
10.37.02 AM	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, page 12, line 4,
	Note. Harward, Soriya	asking Witness to read.
10:38:32 AM	Atty. Dutton to Witness Sinclair	usking Withess to redu.
10130132 7111	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, Exhibit 2, regarding
	Hotel Harwara, conya	2017 forecasted combined energy requirement.
10:41:49 AM	Atty. Dutton to Witness Sinclair	3/ 1
	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
10.4F.01 AM	Chairman Armstrong asks audior	confidentiality agreement be excused.
10:45:01 AM 10:45:32 AM	Chairman Armstrong asks audier Private Recording Activated	ice to leave for confid. Session
11:12:24 AM	Public Recording Activated	
11:12:24 AM	Confidential Session Ends	
11.12.20 AN	Note: Harward, Sonya	Public can return to Hearing
11:12:27 AM	Exhibits	rubile carrietarii to ricariiig
11.12.27 711	Note: Harward, Sonya	AG Exhibits 1 and 2 were entered into the Hearing during
	Note: Harward, Sonya	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
11.13.36 AM	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 27, line 19-22,
	Note: Harward, Sorrya	regarding decline in solar panels prices.
11:17:48 AM	Atty. Gearheart to Witness Sind	g (1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
11.17.10 AM	Note: Harward, Sonya	Asking aboug REC prices and how they impact economics.
11:18:37 AM	Atty. Dutton - Objection	rouning about the proces and not alley impact economics.
11.10.57 7.11	Note: Harward, Sonya	Intervenors were not supposed to ask questions unless its in support
	noter namara, son, a	of the Stipulation.
11:19:02 AM	Atty. Gearheart - Response to	
11:19:23 AM	Atty. Ingram - Response to Ob	
	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	xam 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	
35.25.22.53	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
11.20.04 AM	Vice Chairman Cardaar to With	to the 2013/2014 load forecast.
11:29:04 AM	Vice Chairman Gardner to Witn	
11.20.14 AM	Note: Harward, Sonya Vice Chairman Gardner to Witn	Asking what the Consensus Forecasting Group is calling for.
11:30:14 AM	Note: Harward, Sonya	Referencing Witness's Direct Testiomony, page 17, Table 5, and
	Note. Harward, Soriya	Witness's Supplemental Testimony, page 7, lines 2-4.
11:35:07 AM	Vice Chairman Gardner to Witn	
11.55.07 7.11	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	
24/96/99/2011	Note: Harward, Sonya	Asking what is available to sell as RECs.
11:42:22 AM	Vice Chairman Gardner to Witn	
	Note: Harward, Sonya	Asking what an average capacity factor is for a place like Arizona for
	***	solar power.
11:43:37 AM	Commissioner Breathitt Cross E	ixam of Witness Sinclair
11:44:19 AM	Commissioner Breathitt to Witn	ess Sinclair
	Note: Harward, Sonya	Referencing Witness's Supplemental Testimony, page 14, lines 13-
		17.
11:46:26 AM	Commissioner Breathitt to Witn	
	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 With	
	Note: Harward, Sonya	Asking how long the companies have had the Green Choice
11.40.21 AM	Athy Nauwan Ba Crass Evam of	program.
11:48:31 AM	Atty. Nguyen Re-Cross Exam of Note: Harward, Sonya	
	Note. Harward, Sorrya	Asking about Ohio REC Market, and the impact on the price of KY RECs.
	C 12/11/2014	(12.00)

11:50:38 AM	Vice Chairman Gardner Re-Cross								
	Note: Harward, Sonya	Asking for the length of time that a REC is good for.							
11:52:12 AM	Vice Chairman Gardner to Witnes								
	Note: Harward, Sonya	Referencing Witness's Testimony, DSS1, Table 4, regarding seven DSM programs.							
11:53:26 AM	Witness dismissed from the stand	i.							
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								
	Note: Harward, Sonya	2014-00002 and 2014-00133							
1:07:18 PM	Witness John Voyles takes the sta								
	Note: Harward, Sonya V.P. of Energy Supply and Analysis for LG&E/KU								
1:08:22 PM	Atty. Ingram Direct Exam of Witn								
	Note: Harward, Sonya	Confirms that testimony is still accurate, with adjustments to some schedules.							
1:09:55 PM	Atty. Nguyen Cross Exam of Witn								
	Note: Harward, Sonya	Asking for the expectant useful life of the Brown station.							
1:10:32 PM	Atty. Nguyen to Witness Voyles								
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 14, cost of solar facility.							
1:12:26 PM	Atty. Nguyen to Witness Voyles								
	Note: Harward, Sonya	Referencing the Stipulation, page 4, paragraph 5.							
1:14:20 PM	Vice Chairman Gardner Cross Exa								
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 7, regarding 'netting out'.							
1:15:37 PM	Vice Chairman Gardner to Witnes								
	Note: Harward, Sonya	Referencing Witness's Direct Testimony, page 13, lines 18-20.							
1:16:17 PM	Vice Chairman Gardner to Witnes								
	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 Witnes								
	Note: Harward, Sonya	Asking Witness follow-up questions asked to Witness Sinclair regarding Brown.							
1:19:25 PM	Chairman Armstrong Cross Exam								
	Note: Harward, Sonya	Asking about soil that will be used.							
1:20:31 PM	Commissioner Breathitt Cross Exa								
	Note: Harward, Sonya	Asking about economic dispatch.							
1:21:19 PM	Commissioner Breathitt to Witnes								
	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 Witnes								
	Note: Harward, Sonya	Asking about variablity there is in the 130+.							
1:25:48 PM	Vice Chairman Gardner to Witness								
	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 Witnes								
	Note: Harward, Sonya	Asking if Hydro is in the companies' Green program.							
1:31:06 PM	Witness Voyles dismissed from the								
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	ness Revlett
	Note: Harward, Sonya	Confirms that testimony is still accurate.
1:33:17 PM	Vice Chairman Gardner Cross	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 st	and.
1:35:04 PM	Witness Edwin Staton takes th	e stand and is sworn in.
	Note: Harward, Sonya	V.P. of State Regulation and Rates
1:35:44 PM	Atty. Ingram Direct Exam Witr	ness 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	ST 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	Exam of Witness Staton
	Note: Harward, Sonya	Asking about the companies' jurisdictional seperation study.
1:38:36 PM	Vice Chairman Gardner to Witi	ness Staton
	Note: Harward, Sonya	Referencing Witness's Testimony, page 3, lines 17-18.
1:39:00 PM	Commissioner Breathitt Cross	Exam of Witness Staton
	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 of	of 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 th	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 of	of Witness Staton
	Note: Harward, Sonya	Confirms that testimony is still accurate.
1:41:52 PM	Atty. Nguyen Cross Exam of W	
	Note: Harward, Sonya	Asking about 30 percent tax credit being applied to the entire \$36 million amount.
1:42:57 PM	Witness Meiman dismissed fro	m the stand.
1:43:17 PM	No Briefs	
1:43:44 PM	Responses to Post Hearing Da	ta 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	



2014-00002 & 2014-00133_24Nov14 LG&E and KU

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)

2013 State of the Market

19 May 2014

SPP Market Monitoring Unit



Southwest Power Pool, Inc.

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.

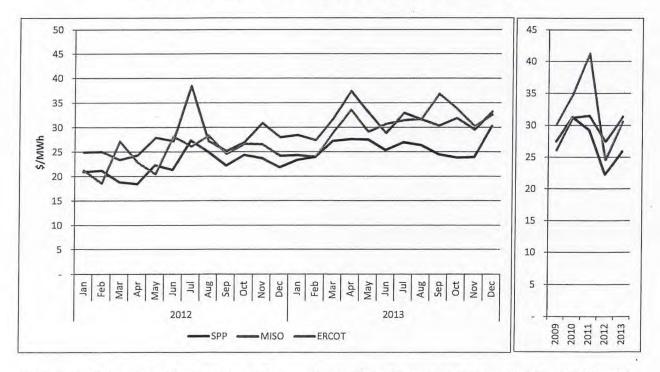


Figure II.3 Regional Monthly and Yearly Prices Comparison

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) Report Annual Energy Outlook 2014 Early Release

Scenario ref2014

Reference case

Datekey d102413a

Release Date

December 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 a fine course on account the party of the course	en de como de la prodeción de la compaña	e man to the transmission of the constraint of t	and the same	na o nje navaj sali kriji kalende s	en er en	Sagara a a a a a a a a a a a a a a a a a	والمراسية المراسية ا	**********			mannen		
Prices in Nominal Dollars								2						
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.Õ3	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