

# Large Filing Separator Sheet

Case Number : 93-01-EL-EFC

File Date : 10/15/1993

Section : 1 of 3

Number of Pages : 200

Description of Document : Exhibits  
Volume. 4 of 7

BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Regulation :  
of the Electric Fuel Component : Case No. 93-01-EL-EFC  
Contained Within the Rate Schedules :  
of the Ohio Power Company and :  
Related Matters. :

**AFFIDAVIT**

F. DARRYL KIDWELL, being duly sworn deposes and states  
the following:

1) That he is the Public Affairs Director of Ohio Power  
Company, 301 Cleveland Avenue, S.W., P. O. Box 24400, Canton,  
Ohio 44701-4400.

2) That pursuant to the Rules and Regulations of the  
Public Utilities Commission of Ohio and the laws of the State  
of Ohio, he caused the preparation and publication of written  
notices to comply with Revised Code Section (R.C.) 4909.191(A),  
Rule 4901:1-11-11(C) of the Ohio Administrative Code (OAC).

3) That Affiant complied with all requirements of  
Publication and distribution of public service announcements  
required by the laws of the State of Ohio and the Rules and  
Regulations of the Public Utilities Commission of Ohio.

FURTHER AFFIANT SAIETH NAUGHT.

  
F. Darryl Kidwell

STATE OF OHIO       )  
                          ) ss.  
COUNTY OF STARK    )

Sworn to before me and signed in my presence this 12<sup>th</sup> day of  
March, 1993.

Mary Ann Wilson  
Notary Public

*My commission expires 9-12-97.*

PUCO CASE 93-01-EL-EFC

OHIO POWER COMPANY

Proof of Publication (1-day  
notice of public hearing)

OPC tx. No. 2

OPC EX #2

CASE NO. 93-01-EL-EFC

Before

THE PUBLIC UTILITIES COMMISSION OF OHIO  
IN THE MATTER OF THE REGULATION  
OF THE ELECTRIC FUEL COMPONENT  
CLAUSE CONTAINED WITHIN THE RATE  
SCHEDULES OF THE OHIO POWER COMPANY  
AND RELATED MATTERS.

Proof of Publication Pursuant to the  
Commission's Order of November 5, 1992.

## PREFACE

This Exhibit contains the Proof of Publication from each of the forty-two newspapers in which the form of notice approved by this Commission was published by Ohio Power Company. The newspapers are:

Akron Beacon Journal  
Ashland Times-Gazette  
Athens Messenger  
Bellaire-Martins Ferry Times-Leader  
Bellefontaine Examiner  
Bowling Green Daily Sentinel-Tribune  
Bucyrus Telegraph-Forum  
Cambridge Daily Jeffersonian  
Canton Repository  
Columbus Dispatch  
Coshocton Tribune  
Defiance Crescent-News  
Delaware Gazette  
Delphos Daily Herald  
Dover-New Philadelphia Times-Reporter  
East Liverpool Evening Review  
Findlay Courier  
Fostoria Review Times  
Fremont News-Messenger  
Gallipolis Daily Tribune  
Ironton Tribune  
Kenton Times  
Lancaster Eagle-Gazette  
Lima News  
Logan Daily News  
Mansfield News Journal  
Marietta Times  
Marion Star  
Mount Vernon News  
Napoleon Northwest-Signal  
Newark Advocate  
Norwalk Reflector  
Pomeroy Daily Sentinel  
Portsmouth Times  
Steubenville Herald-Star  
Tiffin Advertiser-Tribune  
Union City News-Gazette  
Upper Sandusky Chief-Union  
Van Wert Times-Bulletin  
Wapakoneta Daily News  
Wooster Daily Record  
Zanesville Times Recorder

# LEGAL NOTICE

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-EL-EFC, to review the fuel procurement practices and policies of Ohio Power Company, the operation of its Electric Fuel Component, and related matters. This hearing is scheduled to begin at the Commission offices at 10:00 a.m. on March 16, 1993.

All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 180 East Broad Street, Columbus, Ohio 43266-0573.

Feb 28 Mar 11 12 13 14 15

THE STATE OF OHIO  
SUMMIT COUNTY, ss. }

I, Janet Foley, clerk of

THE BEACON JOURNAL PUBLISHING COMPANY, publishers of THE AKRON BEACON JOURNAL, on oath, say that the notice herunto annexed has been published ONE TIME on the 23rd day of Feb, 1993, in said paper printed and published in the City of Akron, County of Summit, State of Ohio, and of general circulation therein. That said newspaper had a bona-fide circulation of more than twenty-five thousand (25,000) at the time the advertisement was published, and the price charged in the attached bill for same does not exceed the rates charged for like amount of space to other advertisers who advertise in its general display advertising columns. THIS AD DID NOT APPEAR IN THE LEGAL SECTION.

SIGNED

Janet Foley

Sworn to before me, and subscribed in my presence, this 23rd day of Feb, 1993

Cynthia Keifer

Notary Public, Summit County, Ohio  
My Commission Expires Jan 12, 1995

Printer's Fee -----

Affidavit -----

Total -----

## Proof of Publication

The State of Ohio, Ashland County, ss:

Personally appeared before me

Deanna R. Chance Publishers of The

Ashland Times-Gazette, a newspaper of general circulation, published in  
Ashland, Ashland County, Ohio, and made oath that the annexed advertise-  
ment was duly published in said paper for 1 consecutive weeks

from and after the 23 day of February, 1993  
Signed Deanna R. Chance

Sworn to and subscribed before me this 23 day of  
February 1993

Nancy A. Watson  
Notary Public

Publication Fee \$ 17.60

Affidavit

Total 17.60

NANCY A. WATSON

Notary Public, State of Ohio

My Commission Expires July 4, 1996

Ad did not appear in legals.

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-EL-ETC to review the fuel procurement practices and policies of Ohio Power Company, the operation of its Electric Fuel Consortium, and related matters. This hearing is scheduled to begin at the Commission offices at 10:00 a.m. on March 16, 1993.

All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 180 East Broad Street, Columbus, Ohio 43260-0513.



## PROOF OF PUBLICATION

AD DID NOT APPEAR IN  
LEGAL SECTION

THE STATE OF OHIO, }  
ATHENS COUNTY, ss }

### LEGAL NOTICE

Public Utilities Commission of Ohio has set for public hearing on Feb. 23rd at 10:00 a.m. in Room 100, State Capitol Building, Columbus, Ohio, to review the proposed plan of the Ohio Power Company for the operation of its new plant at Cambridge, Ohio. This hearing is being held to begin at 10:00 a.m. on Feb. 23rd, 1933.

Interested parties will be given the opportunity to be heard. All interested parties may be heard by contacting the Commission at 100 State Capitol Building, Columbus, Ohio, or by telephoning 100-0573.

Personally appeared before me, a Notary Public in and for Athens County, Ohio, G. Kenner Bush, Publisher of The Athens Messenger, and made oath that an advertisement, a copy of which is hereto attached, was published in The Athens Messenger, a newspaper printed in and of general circulation in said county, One (1) consecutive weeks, the first publication being on the 23rd day of February, 19 93, and the last publication on the day of , 19 , and that the said paper was during that time printed and published in said county.

*G. Kenner Bush*

Sworn to and subscribed before me the 23rd day of February, 19 93

*Lisa Ann Skivers*

Notary Public

LISA ANN SKIVERS

Printer's Fee, \$ 29.79

My Commission Expires

January 22, 1938

**PROOF OF PUBLICATION**

The State of Ohio  
County of Belmont, ss:

The undersigned, being sworn, says that he or she is an employee of Eastern Ohio Newspapers, Inc., A Corporation, publisher of the Times Leader a newspaper published in Martins Ferry, Belmont County, Ohio, each day of the week except Saturday and of general circulation in said city and county; that it is a newspaper meeting the requirements of sections 7112 and 5721.01 Ohio Revised Code as amended effective September 14, 1957; that affiant has custody of the records and files of said newspaper; and that the advertisement of which the annexed is a true copy, was published in said newspaper on each of the days in the month and year stated, as follows:

Feb 23 19 93  
Nancy M. Swords

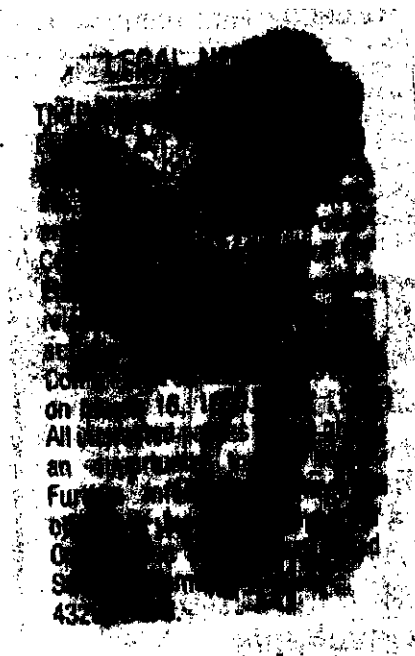
Subscribed by Affiant and sworn

to before me, this 23 day of

Feb A.D. 19 93

Donna Jean Landers  
Notary Public

DONNA JEAN LANDERS, Notary Public  
State of Ohio  
My Commission Expires February 7, 1995



This ad was not in the legal section of the paper.

Printer's Fees \$ \_\_\_\_\_

Notary's Fees \$ \_\_\_\_\_

THE TIMES LEADER  
Martins Ferry, Ohio  
Bellaire, Ohio

**State of Ohio**  
**Logan County, Ohio**

NOTICE OF PUBLIC HEARING  
The Logan County Board of Health is  
scheduled to begin at the  
Commissioner's Office 10:00 a.m.  
on March 15, 1993.  
All interested parties will be given  
an opportunity to be heard.  
Further information may be  
obtained by contacting the  
Commissioner at 180 East Broad  
Street, Columbus, Ohio  
43260-6076.

Thomas E. Hubbard

being duly sworn, says that he is the representative of the publisher of the Bellefontaine Examiner a newspaper printed and of general circulation in the said county, and that the annexed

advertisement was published in said paper \_\_\_\_\_

February 23, 1993

(NOTICE DID NOT APPEAR IN LEGAL SECTION)

Thomas E. Hubbard

Sworn to and subscribed before me A Notary Public

on this 23rd day of February, 1993

Barbara A. Heinen

BARBARA A. HEINEN

Notary Public, State of Ohio

My Commission Expires Sept. 8, 1997

Printer's Fee \$ 15.45

The State of Ohio }  
County of Wood, ss. }

**LEGAL NOTICE**  
The Public Utilities Commission of Ohio has set for public hearing on March 18, 1993, at 10:00 a.m., the proposed rates, terms and conditions of service, and policies of this power and light company, its operation, its Electric Fuel Component, and related matters. This hearing is scheduled to be held at the Commission offices, 100 East Broad Street, Columbus, Ohio 43260-1192. All interested parties are invited to attend and be heard. Further notice will be given in the Ohio State Register. Witness my hand and the seal of the Commission at Columbus, Ohio, this 11th day of February, 1993.  
SUSAN B. BUSINGER  
Notary Public, State of Ohio  
My Commission Expires May 23, 1993

## Certification of Publication

Bill Kurfis

an advertising representative of THE SENTINEL-TRIBUNE, a newspaper published and of general circulation in the City of Bowling Green and in the County of Wood, State of Ohio, being duly sworn according to law, says that a notice, a true copy of which is hereto attached, was published in said paper on Tuesday, February 23, 1993

This notice did not appear in the Legal Section.

Bill Kurfis

Sworn to and subscribed before me this 23rd day of Feb., 19 93

Printer's Fee, \$ \_\_\_\_\_

Affidavit, \$ \_\_\_\_\_

Total, \$ \_\_\_\_\_

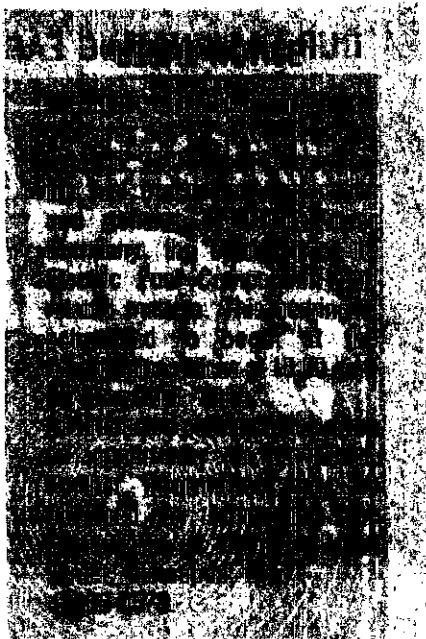
Susan Businger

Notary Public, Wood County, Ohio

SUSAN B. BUSINGER

Notary Public, State of Ohio

My Commission Expires May 23, 1993



**STATE OF OHIO, CRAWFORD CO. SS.**

I, Laura Millenbaugh  
do solemnly swear that a notice of which a copy  
is hereto attached, was published weekly  
for one (1) Consecutive weeks  
from February 23, 1993  
to \_\_\_\_\_, 19\_\_\_\_  
inclusive, in

**The Bucyrus Telegraph-Forum**

a newspaper, printed, published and in general  
circulation in the City of Bucyrus and said County,

Laura Millenbaugh  
Sworn to and subscribed before me this 2nd  
day of Feb, 1993  
Dorothy L. Colcott  
**DOROTHY L. COLCOTT** Notary Public  
NOTARY PUBLIC, STATE OF OHIO  
My Commission Expires Feb. 22, 1997

To Crow Power Co  
125 W. Pennsylvania  
Bucyrus, OH 44820

In account with  
**THE BUCYRUS TELEGRAPH-FORUM**  
Published by  
**THE FREEDOM NEWSPAPERS, INC.**  
Bucyrus, Ohio

Publishers Fee \$ 14.70

This ad did not appear in  
The Legal Section.

PROOF OF PUBLICATION

STATE OF OHIO, GUERNSEY COUNTY. ss

I, Neal R. Altland, being duly sworn, says that he is one of the publishers of the JEFFERSONIAN, a Daily Newspaper printed and in general circulation in Guernsey and Noble Counties, and that a notice of which the annexed is a true copy, was published in said paper on Tuesday of each week for one consecutive weeks, beginning on the 23rd day of February, 1993.

*Neal R. Altland*

Neal R. Altland, Publisher

Sworn to and subscribed before me this 23rd day of February, 1993.

*Joyce L. Yontz*

Joyce L. Yontz, Notary Public  
Joyce L. (Maskey) Yontz

Printer's Fee \$ 21.30

My commission expires 1/25/98

This ad did not appear with any other legals.

Case No. 93-01-2-1-1  
the fuel production  
and policies of the  
Company, the  
Electric Fuel Company  
related matters, the  
scheduled to begin  
Commission on March 15, 1993  
on March 15, 1993  
All interested parties  
an opportunity to  
Further information  
obtained by contacting the  
Commission at 180 East  
Street, Columbus, Ohio  
43260-0978

LEGAL ADVERTISING INVOICE

THE JEFFERSONIAN CO., INC.  
PUBLISHERS OF The Daily Jeffersonian  
831 Wheeling Ave.  
Cambridge, Ohio 43725  
Federal ID# 31-4218030

Ohio Power Company

Cambridge, Ohio 43725

2/23/93

Legal Notice

21.30

**Affidavit**  
**of**  
**Publication**

**STATE OF OHIO }  
STARK COUNTY } ss.**  
**Debra Olson**

being first duly sworn, says that Affiant is a duly authorized Clerk of The Repository, Canton, Ohio, a Daily and Sunday newspaper published and of general circulation in said City of Canton, County of Stark, and State of Ohio, and that the legal advertisement, of which the annexed is a copy, was published in said newspaper on:

Tuesday, February 23, 1993

for \_\_\_\_\_

consecutive \_\_\_\_\_ beginning

on the \_\_\_\_\_

day of \_\_\_\_\_ 19\_\_\_\_

Affiant also says that said newspaper had a bonafide circulation of more than fifteen thousand at the time of such advertisement, and that the price charged in the bill for same did not exceed the rates provided by law for such legal advertisement.

Debra Olson

Sworn to and subscribed before me, this

24th day of February 1993

Linda D. Andrews

Notary Public

LINDA D. ANDREWS

Notary Public, State of Ohio

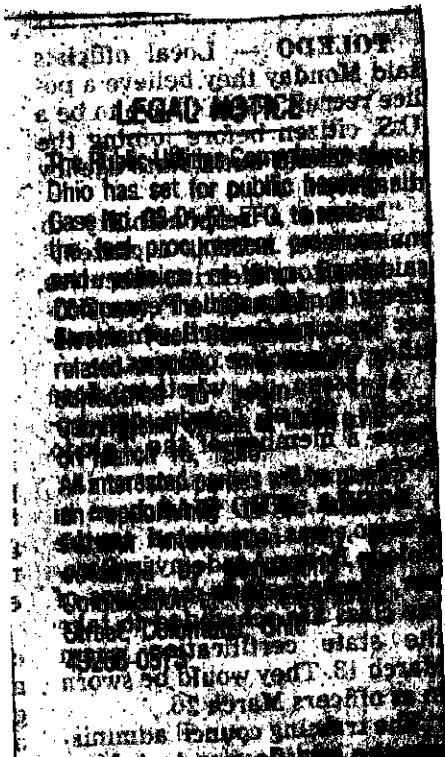
My Commission Expires Sept. 18, 1997

Recorded in Stark County

Total number of measured  
column lines published 1x4.00x22.95

Charged for publication \$ 91.80

This ad **DID NOT** appear in the legal section of the newspaper



**THE COLUMBUS DISPATCH  
PROOF OF PUBLICATION**

STATE OF OHIO, FRANKLIN COUNTY, SS.:

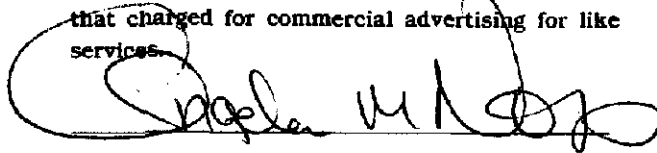
Angela M. Noss  
National Account Executive

*The Columbus Dispatch*, a newspaper published at  
Columbus, Franklin County, Ohio, with a daily paid  
circulation of more than 25,000 copies, personally  
appeared and made oath that the notice of which a  
true copy is hereunto attached was published in  
*The Columbus Dispatch* for <sup>1</sup>

time to-wit, on February 23, 1993

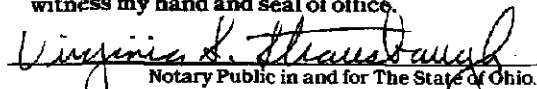
Ad did not run in legal section.

and that the rate charged therefor is the same as  
that charged for commercial advertising for like  
services.

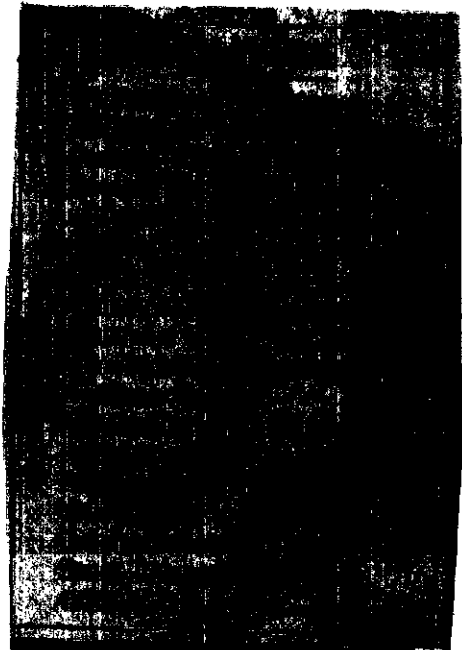


Subscribed and Sworn to, this 23  
day of February 19 93 as

witness my hand and seal of office.

  
Notary Public in and for The State of Ohio.

VIRGINIA S. STRAUSBAUGH  
NOTARY PUBLIC - STATE OF OHIO  
MY COMMISSION EXPIRES SEPT. 29, 1994





**550 Main Street, Coshocton, Ohio 43812 Phone 614-622-1122**

Coshocton, Ohio      February 24, 1993

This advertisement did not appear in the legal section of ✓  
said newspaper.

**Signed**

this 24 day of February 1993

Signed

**ELAINE LIPPS**  
Notary Public, State of Ohio  
My Commission Expires April 26, 1995

**LEGAL NOTICE**

The Public Utilities Commission of Ohio has ordered public hearing Case No. 10071-2, P.U.C. to review the fuel procurement practices and policies of Ohio Power Company. The operation of its Electric Fuel Purchasing and related markets and trading is scheduled to begin on 10/1/2009. Commencement of 10:00 a.m. on March 10, 2010. All interested parties will be given an opportunity to be heard. Further information can be obtained by contacting the Commission at 180 East Broad

THE STATE OF OHIO, }  
 DEFIANCE COUNTY, } ss.:

Liz Keel makes oath that s he is one  
 of the Printers and Publishers of the **DEFIANCE CRESCENT-  
 NEWS**, a newspaper printed in said county and of general circulation  
 therein; that the notice of which the annexed is a true copy, was  
 published in said newspaper on February 23, 1993.

Liz Keel

\*This ad did not appear in the legal section\*

Sworn to before me and subscribed in my presence,

this 24 day of Feb. A. D., 1993

Linda L. Good  
 Notary Public, State of Ohio  
 My Commission Expires June 9, 1997  
 Total Legal Publication Charge \$ 19.20

**LEGAL NOTICE**

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-EL-ERC to review the fuel procurement practices and policies of Ohio Power Company, the operation of its Electric Fuel Corporation, and related matters. This hearing is scheduled to begin at three o'clock in the afternoon on Monday, March 15, 1993. All interested parties are to appear in person or by counsel. Further information may be obtained by contacting the Commission at 160 East Broad Street, Columbus, Ohio 43260-1099. The Ohio Public Utilities Commission has filed a notice of this hearing in the public utility records.

# Proof Of Publication

STATE OF OHIO Delaware County

Roberta Baker being duly sworn, says he/she is

Bookkeeper of the **DELAWARE GAZETTE**

a newspaper printed and published in Delaware, Delaware County, Ohio, and of general circulation therein, and that the annexed **ADVERTISEMENT**

was published in said Newspaper six consecutive times the first insertion being 23rd day February in on the A.D., 19 93  
other dates again March 10, 11, 12, 13, 15, 1993 Non Legal section

Sworn to before me and subscribed in my presence 23rd day of Feb. A.D., 19 93

Notary Public

BARBARA L. THOMAS, Notary Public  
In and For the State of Ohio  
My Commission Expires March 10, 1994

**Printer's Fees** \$168.96

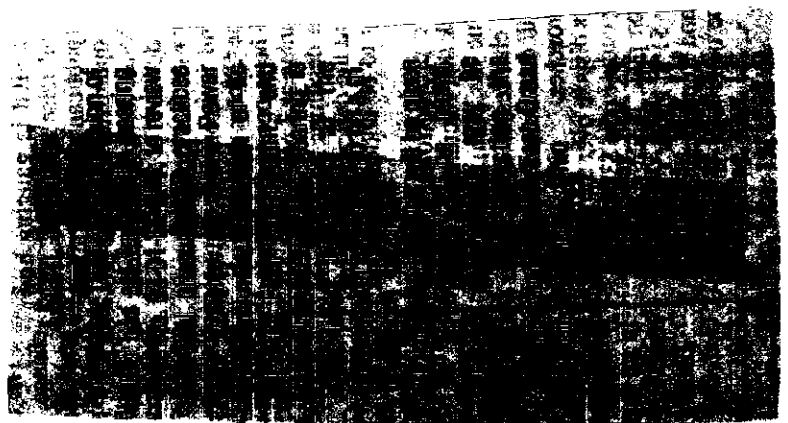
## STATEMENT DELAWARE GAZETTE CO.

18 EAST WILLIAM ST. Tues. Feb 23, 1993  
DELAWARE, OHIO 43015

Bill To: Ohio Power Company

19 <u>93</u>	<b>TO BILL RENDERED</b>  4 inches at 7.04 six times Public Utilities Commission-Case No 93-01-EL-EFC Ran February 23, 1993 and will run again March 10, 11, 12, 13, 15, 1993 in the non legal section of the paper ✓  Payable by 15th of Following Month Please Send This Statement When Paying	<b>\$168.96</b>
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**COPY OF ADVERTISEMENT**



# Proof of Publication

THE DELPHOS DAILY HERALD

DELPHOS, OHIO

The State of Ohio, Allen County, ss.

Before me..... A Notary Public

..... of said county, personally appeared

..... Lori A. Beining ..... who being

solemnly sworn, deposed that the annexed advertisement was duly

published in the Delphos Daily Herald ..... once ..... every

..... seventh ..... day for the space of ..... one .....

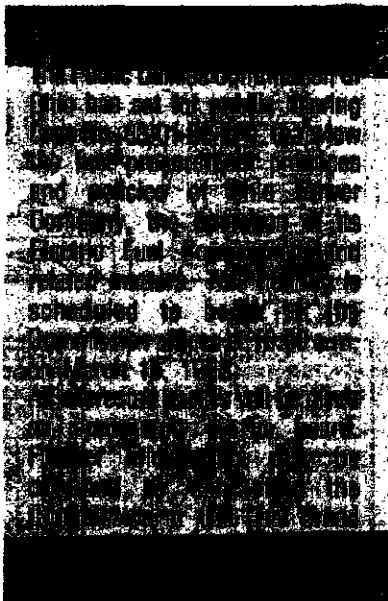
consecutive weeks from and after the ..... twenty-third ..... day

of ..... February ..... A.D., 19<sup>93</sup> ....., and that the said

Delphos Daily Herald - was at that time a newspaper printed and published

in Allen County and of general circulation in said county.

(This notice did not appear in the legal section.)



..... Lori A. Beining .....

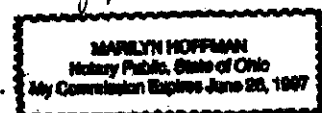
Sworn to and subscribed before me at Delphos, Ohio, this

..... 23rd ..... day of ..... February ..... 19<sup>93</sup> .....

..... Marilyn Hoffman .....

Printer's Fee, \$ 16.80 .....

Affidavit \$ .....



**LEGAL NOTICE**

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-EL-EFC, to review the fuel procurement practices and policies of Ohio Power Company, the operation of its Electric Fuel Component, and related matters. This hearing is scheduled to begin at the Commission offices at 10:00 a.m. on March 16, 1993. All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 180 East Broad Street, Columbus, Ohio 43266-0573.

The State of Ohio, Tuscarawas County, ss

Personally appeared before me, the undersigned a

Notary Public in and for Tuscarawas County, Ohio

RON WAITE for the publishers  
of The Times-Reporter, who, being first duly sworn, do say  
that the advertising was published in The Times-Reporter  
on the 23rd days of  
FEBRUARY AD 19 93 during all of which time said  
paper was printed and in general circulation in said  
county.

THE NOTICE DID NOT APPEAR IN THE LEGAL SECTION.



Sworn to and subscribed before me this

23 day of FEBRUARY, 19 93

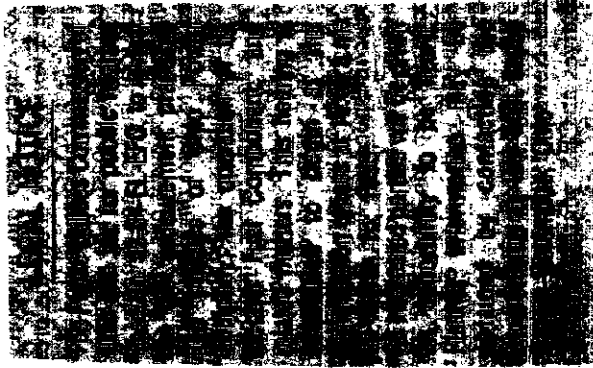


Notary Public

FLORA A. MILLER

Notary Public, State of Ohio  
My Commission Expires April 30, 1995

(NEWSPAPER CLIPPING)



THE STATE OF OHIO, } ss.  
Columbiana County, }

Marlene Lemley being duly sworn, says that she is the

Accountant of The Evening Review,  
a newspaper, printed, published and of general cir-  
culation in the said County of Columbiana; that the  
notice, of which the attached is a copy, was for a  
period of one day ~~consecutive~~ weeks, published in  
said newspaper, commencing on the 23rd  
day of February A. D. 19 93  
Date of last publication February 23rd A. D. 1993  
THIS AD DID NOT RUN IN THE LEGAL ADS SECTION.

*Marlene Lemley*

Subscribed by the said Marlene Lemley and by

sworn to before me, this 24th day of February 1993

GLADYS ELAINE MCCOY, Notary Public

STATE OF OHIO

My Commission Expires July 9, 1997

*Gladys Elaine McCoy*  
Notary Public

Printer's Fee - \$ 27.39

# State of Ohio,

Hancock County, ss.

I, Chris Collins, for the publishers of

The Courier, a daily newspaper published in Hancock County, and of general circulation therein, do

solemnly swear that a notice, a copy of which is hereto annexed, was published in said newspaper

on Tuesday of each week for 1

consecutive weeks, commencing on the 23 day

of February 19 93, according to the

best of my knowledge and belief. Legal Notices section.

Sworn to and subscribed before me this 23

day of February 19 93.

Shirley Nebergall  
A NOTARY PUBLIC IN AND FOR HANCOCK COUNTY, OHIO

SHIRLEY NEBERGALL, NOTARY PUBLIC  
HANCOCK COUNTY, OHIO  
My Commission Expires July 23, 1993

## LEGAL NOTICE

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-EL-EFC, to review the fuel procurement practices and policies of Ohio Power Company, the operation of its Electric Fuel Component, and related matters. This hearing is scheduled to begin at the Commission offices at 10:00 a.m. on March 16, 1993.

All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 180 East 12th Street, Columbus, Ohio 43266-0573.

The State of Ohio, County of  
Seneca, ss.

Personally appeared before me

Cheryl Russell Bookkeeper

of The Daily Review Co., publishers of The Review Times, 113 E. Center Street, Fostoria, Seneca County Ohio a daily newspaper of general circulation in the county aforesaid, and made solemn oath that the notice, copy of which is hereto attached, was published for 1 time consecutive weeks on and next after the 23rd day of February A.D., 19 93.



Sworn to before me and signed in my presence, this  
24th day of February, 19 93.

  
Notary Public

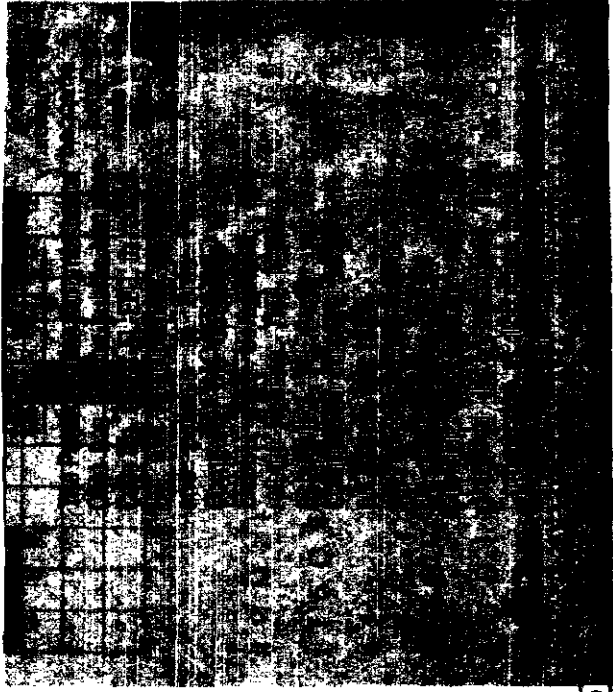
MARY ANNE NOPPER, Notary Public

State of Ohio

43.20

Printer's Fee, \$ My Commission Expires February 23, 1995

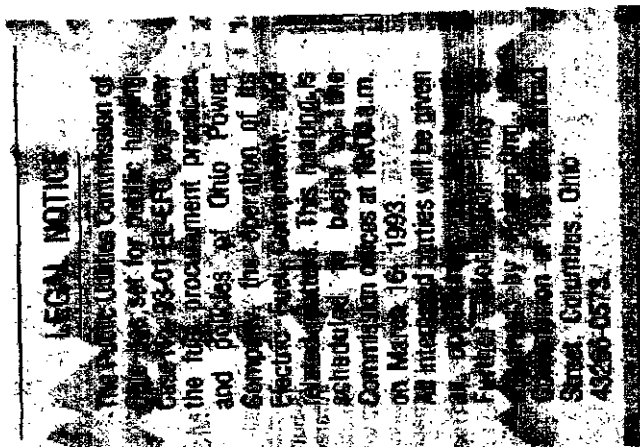
DID NOT APPEAR ON LEGAL PAGE





## Copy of Advertisement

This notice did not appear in the legal section of the newspaper.



# AFFIDAVIT OF PUBLICATION

STATE OF OHIO, County of Sandusky, ss:

Before me, the undersigned, a notary public in and for said county, personally appeared R. Wollensloeg

who being duly sworn, says she is the clerk

of The News-Messenger, a daily newspaper, printed and of general circulation in said county and state and a notice of which the annexed is a copy, was published in said newspaper for 1

consecutive day the first publication being on

Feb. 23. 19 93

**XXXXXXXXXXXXX**

॥ श्रीगणेशाय नमः ॥

2000年 12月 25日 星期三 12:00:00

\$\_\_\_\_\_ Price charged for 1st publication.

\$\_\_\_\_\_ Price charged for subsequent insertions.

**S\_\_\_\_\_ Affidavit charge**

**Total charge** \_\_\_\_\_

**Signed**

R. Wollensley

Sworn to before me and subscribed in my presence this  
24 day of February, 19 93

Elvira Reed

**NOTARY PUBLIC**

My Commission expires January 20, 19 98

**Notary Seal**

# The Ohio Valley Publishing Company

825 THIRD AVENUE

GALLIPOLIS, OHIO 45631

PHONE 446-2342

February 24, 1993

The Ohio Power Company

SUBJECT: TO REVIEW THE FULL PROCUREMENT PRACTICES  
& POLICIES OF THE OHIO POWER COMPANY, CASE NO.  
93-01-EL-EFC


Due to error in scheduling the above mentioned advertisement did not  
run February 23, 1993 in the Gallipolis Daily Tribune.

We regret any inconveniences caused by this error.

If you have any questions please feel free to contact our office.

Sincerely,

  
Larry L. Boyer  
Advertising Director

  
Joan M. Simpson, Notary Public, State of Ohio.  
My Commission Expires 2/28/97.....  
Recorded in Meigs County

THE IRONTON TRIBUNE  
 P.O. Box 647  
 2903 South 5th Street  
 Ironton, OH 45638  
 Phone: (614) 532-1441  
 Fax: (614) 532-1506

Ohio Power

AMOUNT DUE: \$20.31

Start: 2-23-93

Stop: 2-23-93

Times: 1

Run days: x

SMTWTFS

Note:

THE

IRONTON TRIBUNE

Inches: 3 1/4 Rate: 6.25

Other:

Affidavit of Publication  
 STATE OF OHIO  
 LAWRENCE COUNTY

The Ironton Tribune, a newspaper printed daily and of general circulation within the County of Lawrence and State of Ohio, being duly sworn, says that the advertisement (a copy of which is hereunto affixed) was published in said Newspaper for ----- times.

23	Feburary	
Dated the	----- day of	-----, 1993
Dated the	----- day of	-----, 1993
Dated the	----- day of	-----, 1993
Dated the	----- day of	-----, 1993
Dated the	----- day of	-----, 1993
Dated the	----- day of	-----, 1993

*Kathie Bryant* This ad did not appear in the Legal Section of The Ironton Tribune

Kathie Bryant, Legal Clerk

Sworn to and subscribed before me, this 23rd day of Feb. A.D., 1993.

*Andrea K. Hopkins*

Andrea K. Hopkins, Notary  
 Public, Lawrence Co., Ohio  
 Commission expires 12/1/1993.

## LEGAL NOTICE

On March 10, 1993, the  
 All interested parties will  
 an opportunity to be  
 Further information may  
 be obtained by contacting  
 the County Clerk's Office  
 at 614-532-0075.

# PROOF OF PUBLICATION

The State of Ohio, Hardin County, ss:

This ad did not appear on legal page.

**Personally Appeared Before Me, a Notary**

**Public in and for said County,** Jeff Barnes

a representative of **The Kenton Times**, a newspaper printed and in general circulation in the County and state aforesaid, who, after being sworn, deposeth and saith that the Advertisement, a true copy of which is hereunto annexed, was

published in said paper for one

consecutive weeks, from and after the 23rd

day of Feb. A.D., 1993

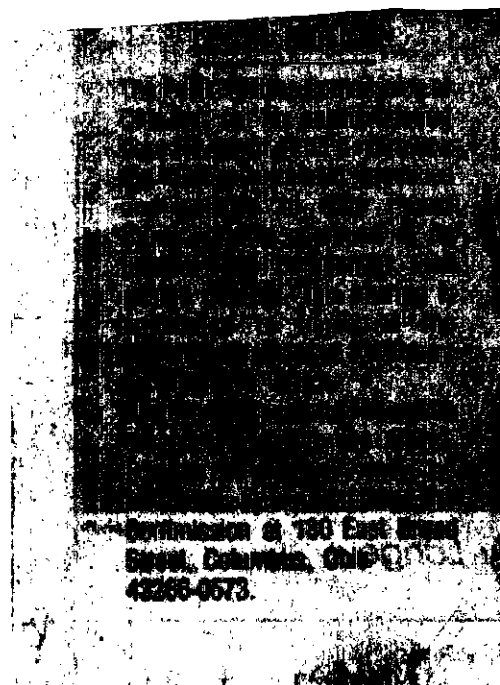
Jeff Barnes  
Subscribed and sworn to before me, this 24th

day of February A.D., 1993

Rev. C. Brown

Notary Public, Hardin County, Ohio

*M. G. Commission expires March 27, 1994*  
Printer's Fee \$ 17.04



**LEGAL NOTICE**

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-001, to review the fuel, operating practices and policies of Ohio Power Company, the operation of its Electric Generating Plant and related matters. This hearing is scheduled to begin at the Commission offices at 10:00 a.m. on March 16, 1993. All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 180 East Broad Street, Columbus, Ohio 43266-0573.

Printer's Fee \$ 30.55 .....

THIS LEGAL NOTICE DID NOT APPEAR IN THE  
LEGAL SECTION OF THIS NEWSPAPER.

# *Publisher's Affidavit*

State of Ohio, Fairfield County, ss.

Kim Claffey

an agent of the Eagle-Gazette, a newspaper printed and of general circulation in the City of Lancaster and the County of Fairfield aforesaid, makes oath and says that the annexed advertisement was published in said Eagle-

Gazette for..... ONE ..... times, being

.....consecutive weeks; commencing

on the 23rd day of February.....

A. D., 19 93 .....

.....*Kim Claffey*.....

SWORN TO and subscribed before me, this

23rd day of February.....

A. D., 19 93 .....

.....*Marilyn M. Cunningham*.....

MARILYN M. CUNNINGHAM  
Notary Public, State of Ohio  
My commission expires 7-21-95

THIS NOTICE DID NOT APPEAR IN THE LEGAL SECTION

## The State of Ohio, Allen County, ss:

..... Jeanette Hooker..... being sworn says that ~~she~~ (she) is

..... bookkeeper..... of The Lima News,

publishers of THE LIMA NEWS, a newspaper printed in said County, and of  
general circulation throughout said County and State; and that said newspaper  
had a bona fide circulation of more than twenty-five thousand at the time of  
this advertisement, notice or proclamation was published; that the notice, of  
which the annexed is a true copy, was for .one..day..... ~~consecutive~~  
published in said newspaper, ~~beginning~~ on the ..... 23rd..... day  
of ..... February..... A.D. 19 93.....

..... Jeanette Hooker.....

Sworn to before me and subscribed before me this ..... 23rd..... day  
..... February..... A.D. 19 93.....

..... Nikki J. Gellar.....  
(Notary Public, Allen County, Ohio)

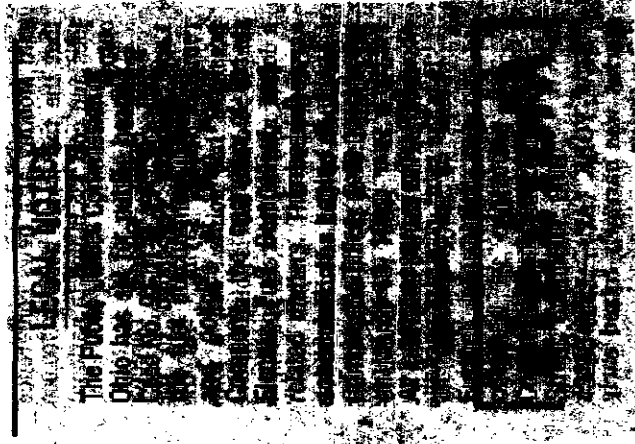
Printer's fee \$.....

### LEGAL NOTICE

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-EL-EFC, to review the fuel procurement practices and policies of Ohio Power Company, the operation of its Electric Fuel Component, and related matters. This hearing is scheduled to begin at the Commission offices at 10:00 a.m. on March 16, 1993. All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 180 East Broad Street, Columbus, Ohio 43266-0573.

NIKKI J. GELLAR, Notary Public  
State of Ohio  
My Commission Expires May 25, 1997

This did not appear  
in the Logan Station



**Affidavit of Publication**

The State of Ohio, Hocking County, ss

I, Die P. Powell, of

**The Logan Daily News**

a daily newspaper published in the city of Logan and of general circulation in said county, make solemn oath that a notice, of which the attached is a true copy was published in said newspaper for 1... consecutive weeks, commencing on the 23...

day of Monday A.D. 1913  
Die P. Powell

Sworn to and subscribed before me this 24..... day of

February..... A. D. 19... 13  
Die P. Powell  
CHAS. L. POWELL, Notary Public  
State of Ohio

Printer's Fee \$..... My Commission Expires Nov. 24, 1915

Total \$ 14.40

Please include this number with  
payment to insure proper credit

The State of Ohio, Richland County, ss.

I, Carol Cancelli, of the  
MANSFIELD NEWS-JOURNAL, (a newspaper printed in said  
County, and of general circulation therein) being duly sworn, do  
upon oath, depose and say that the annexed advertisement was  
published in said newspaper the ad. that

appears on Tuesday, Feb. 23/1992.  
does not appear in the legal  
section.

Carol Cancelli

Sworn to and subscribed before me, this 23rd  
day of Feb, AD. 1992

DeLores Whitfield

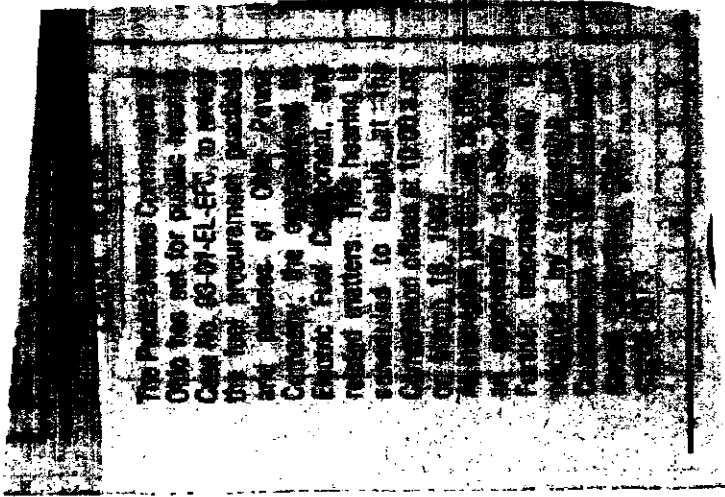
Notary Public

DELORES WHITFIELD

NOTARY PUBLIC, STATE OF OHIO

My Commission Expires June 18, 1993

Printers Fees \$  
Affidavit \$  
Total \$





State of Ohio, County of Washington, SS.  
*Lori Klinge Smith* Advertising Director  
 publisher, being duly sworn,  
 says that the attached notice was published in The Marietta Times, a  
 newspaper with average daily circulation in excess of 13,200  
 printed in and of general circulation in Washington county, Ohio, for one  
 time beginning Feb. 23<sup>rd</sup> 1993  
*Lori Klinge Smith* sworn to before me this  
23<sup>rd</sup> day of Feb 1993  
*Patricia Hay*  
 Notary Public, Washington County, Ohio  
 Printer's Fee \$  
 Notary Fee \$ 3.00  
 Total Amount \$  
 Patricia Hay, Notary Public  
 State of Ohio  
 My Commission Expires 11-05-97

DID NOT APPEAR IN LEGAL SECTION

**LEGAL NOTICE**

The Public Health Commission of Ohio has set up a mobile Case No. 68-10747-10748-10749-10750-10751-10752-10753-10754-10755-10756-10757-10758-10759-10760-10761-10762-10763-10764-10765-10766-10767-10768-10769-10770-10771-10772-10773-10774-10775-10776-10777-10778-10779-10780-10781-10782-10783-10784-10785-10786-10787-10788-10789-10790-10791-10792-10793-10794-10795-10796-10797-10798-10799-10800-10801-10802-10803-10804-10805-10806-10807-10808-10809-10810-10811-10812-10813-10814-10815-10816-10817-10818-10819-10820-10821-10822-10823-10824-10825-10826-10827-10828-10829-10830-10831-10832-10833-10834-10835-10836-10837-10838-10839-10840-10841-10842-10843-10844-10845-10846-10847-10848-10849-10850-10851-10852-10853-10854-10855-10856-10857-10858-10859-10860-10861-10862-10863-10864-10865-10866-10867-10868-10869-10870-10871-10872-10873-10874-10875-10876-10877-10878-10879-10880-10881-10882-10883-10884-10885-10886-10887-10888-10889-10890-10891-10892-10893-10894-10895-10896-10897-10898-10899-10900-10901-10902-10903-10904-10905-10906-10907-10908-10909-10910-10911-10912-10913-10914-10915-10916-10917-10918-10919-10920-10921-10922-10923-10924-10925-10926-10927-10928-10929-10930-10931-10932-10933-10934-10935-10936-10937-10938-10939-10940-10941-10942-10943-10944-10945-10946-10947-10948-10949-10950-10951-10952-10953-10954-10955-10956-10957-10958-10959-10960-10961-10962-10963-10964-10965-10966-10967-10968-10969-10970-10971-10972-10973-10974-10975-10976-10977-10978-10979-10980-10981-10982-10983-10984-10985-10986-10987-10988-10989-10990-10991-10992-10993-10994-10995-10996-10997-10998-10999-11000-11001-11002-11003-11004-11005-11006-11007-11008-11009-11010-11011-11012-11013-11014-11015-11016-11017-11018-11019-11020-11021-11022-11023-11024-11025-11026-11027-11028-11029-11030-11031-11032-11033-11034-11035-11036-11037-11038-11039-11040-11041-11042-11043-11044-11045-11046-11047-11048-11049-11050-11051-11052-11053-11054-11055-11056-11057-11058-11059-11060-11061-11062-11063-11064-11065-11066-11067-11068-11069-11070-11071-11072-11073-11074-11075-11076-11077-11078-11079-11080-11081-11082-11083-11084-11085-11086-11087-11088-11089-11090-11091-11092-11093-11094-11095-11096-11097-11098-11099-11100-11101-11102-11103-11104-11105-11106-11107-11108-11109-11110-11111-11112-11113-11114-11115-11116-11117-11118-11119-11120-11121-11122-11123-11124-11125-11126-11127-11128-11129-11130-11131-11132-11133-11134-11135-11136-11137-11138-11139-11140-11141-11142-11143-11144-11145-11146-11147-11148-11149-11150-11151-11152-11153-11154-11155-11156-11157-11158-11159-11160-11161-11162-11163-11164-11165-11166-11167-11168-11169-11170-11171-11172-11173-11174-11175-11176-11177-11178-11179-11180-11181-11182-11183-11184-11185-11186-11187-11188-11189-11190-11191-11192-11193-11194-11195-11196-11197-11198-11199-11200-11201-11202-11203-11204-11205-11206-11207-11208-11209-11210-11211-11212-11213-11214-11215-11216-11217-11218-11219-11220-11221-11222-11223-11224-11225-11226-11227-11228-11229-11230-11231-11232-11233-11234-11235-11236-11237-11238-11239-11240-11241-11242-11243-11244-11245-11246-11247-11248-11249-11250-11251-11252-11253-11254-11255-11256-11257-11258-11259-11260-11261-11262-11263-11264-11265-11266-11267-11268-11269-11270-11271-11272-11273-11274-11275-11276-11277-11278-11279-11280-11281-11282-11283-11284-11285-11286-11287-11288-11289-11290-11291-11292-11293-11294-11295-11296-11297-11298-11299-11300-11301-11302-11303-11304-11305-11306-11307-11308-11309-11310-11311-11312-11313-11314-11315-11316-11317-11318-11319-11320-11321-11322-11323-11324-11325-11326-11327-11328-11329-11330-11331-11332-11333-11334-11335-11336-11337-11338-11339-11340-11341-11342-11343-11344-11345-11346-11347-11348-11349-11350-11351-11352-11353-11354-11355-11356-11357-11358-11359-11360-11361-11362-11363-11364-11365-11366-11367-11368-11369-11370-11371-11372-11373-11374-11375-11376-11377-11378-11379-11380-11381-11382-11383-11384-11385-11386-11387-11388-11389-11390-11391-11392-11393-11394-11395-11396-11397-11398-11399-11400-11401-11402-11403-11404-11405-11406-11407-11408-11409-11410-11411-11412-11413-11414-11415-11416-11417-11418-11419-11420-11421-11422-11423-11424-11425-114

10280

This notice did  
Not run in  
Legal Section.

# Proof of Publication

Ruth Ann Starnes  
Accountant

The Marion Star, being duly sworn, so that a printed notice, a copy of which is herunto attached, was published in THE MARION STAR, a newspaper published and general circulation in Marion County, Oh on the following dates:

Jan 23, 1993  
March 11, 12, 13, 14, 15, 1993

Ruth Ann Starnes

Sworn to and subscribed before me, th

23 day of February, A. D., 1993.

Linda D. Hack  
NOTARY PUBLIC

Publication \$ 268.38

\$ 1.50

Total \$ 269.88

LINDA D. HACK

Notary Public, State of Ohio

My commission expires April 15, 1996

**LEGAL NOTICE**

The Public Utilities Commission of Ohio has set for public hearing Case No. 93-01-B-ERC to review the fuel procurement practices and policies of Ohio Power Company, the operation of its Electric Fuel Consortium, and related matters. This hearing is scheduled for 2:00 p.m. at the Commission offices at 1600 Bank on March 16, 1993. All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 200 East Broad Street, Columbus, Ohio 43266-0573.

# State of Ohio, Knox County, ss.

*This ad did not appear in legal section*

Personally appeared before me, a notary public in and for Knox County, Ohio, John Nesbit, for publishers of THE MOUNT VERNON NEWS, 18 E. Vine Street, Mount Vernon, Ohio, who being duly sworn, says that the annexed advertisement was published in The MOUNT VERNON NEWS, a newspaper printed and of general circulation, in said county and state, once a week on same day

for 1 consecutive weeks commencing on the

23 day of February A.D.,  
19 93

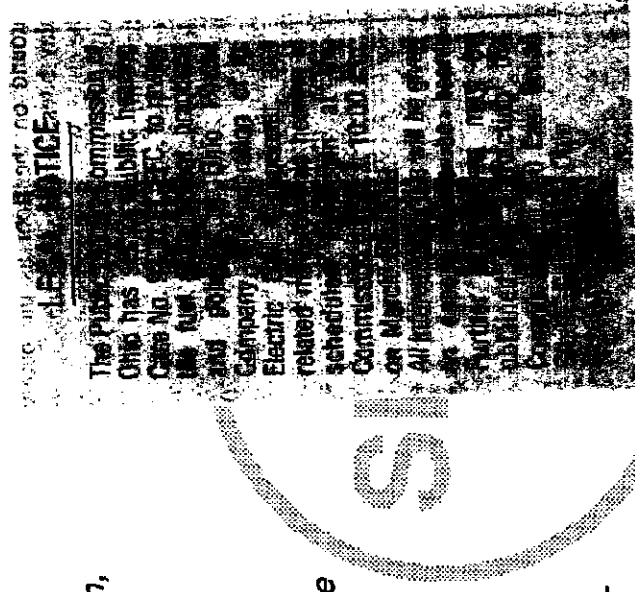
Fees 18.15

Before me this 24 day of February A.D. 1993

Donnae Rice 4/7/94

Notary Public within and for the State of Ohio

Ohio Power Co.

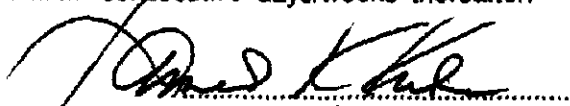


Federal Tax Number  
31-4290300

## PROOF OF PUBLICATION

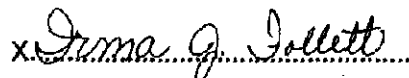
State of Ohio, Henry County, ss.

James K. Kuser, being first duly sworn, deposes and says that he is the Publisher of the Northwest Signal, a daily newspaper published in Napoleon, in said Henry County, Ohio, and of general circulation therein; that the annexed advertisement and notice was printed and published in said newspaper for ..... days/weeks, the first insertion being on the 23 day of Feb., 1993, and for 0 consecutive days/weeks thereafter.



James K. Kuser

Subscribed to in my presence and sworn before me this 24 day of Feb., 1993.

x 

Irma J. Follett, Notary Public

My commission expires: August 14, 1997

Notary fees ..... \$ 1.00


Printer's Fees ..... \$ 18.00

*Did not appear  
in Legal Section.*

## AFFIDAVIT OF PUBLICATION

Ronald L. Frailly Advertising Director for The Advocate, being first duly sworn, deposes and says that Ohio Power 1 x 3 advertisement, headed Legal Notice appeared on page 2A on February 23, 1993, in all editions of that date.

✓ This ad did not appear in the legal section of that date.

  
\_\_\_\_\_  
Ronald L. Frailly

Ronald L. Frailly, being first duly sworn, deposes and says that the above is a true statement to the best of his knowledge and belief.

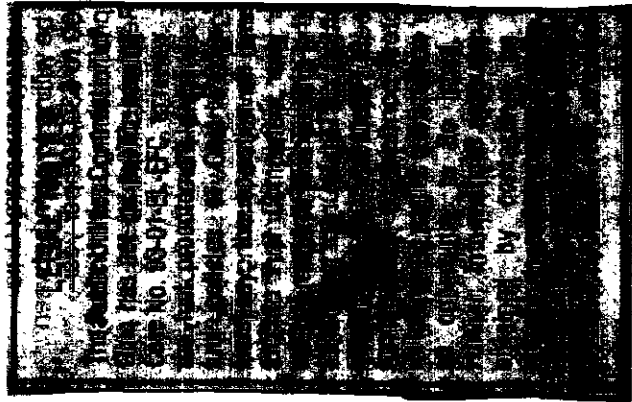
  
\_\_\_\_\_  
Notary Public

**PATRICIA CAROL ATHAN**  
Notary Public, Licking County, State of Ohio  
My Commission Expires April 24, 1996



# The State of Ohio

Huron County, ss.



THIS LEGAL DID NOT APPEAR IN THE LEGAL SECTION OF NEWSPAPER.

I, Jack Brown, do solemnly swear that I am the

Publisher of The Norwalk Reflector, that said paper is a daily newspaper

printed and has a general circulation in said county, and that the annexed advertise-

ment was published in said paper of the date of February 23, 19 93

and also in papers of the succeeding weeks.

*John E. Brown*

Subscribed in my presence sworn to before me this 24, day of February, A. D. 19 93

*Elaine G. Border*

ELAINE G. BORDER

Notary Public, State of Ohio

My Commission Exp. Dec. 9, 1997

Advertising, - - \$ 23.07

1 pt. t

## Proof of Publication

Charlene Hoeflich, being duly sworn, says she is the General Manager of

## The Daily Sentinel

A newspaper of general circulation in Meigs County, published daily except Saturday in Pomeroy, Ohio, and that the attached advertisement was published in said paper 1 times beginning on the 23rd day of Feb. A. D. 1993 and each consecutive week thereafter.

*Charlene Hoeflich*

Sworn to and subscribed before me this 24 day of Feb. A.D., 1992

Attest:

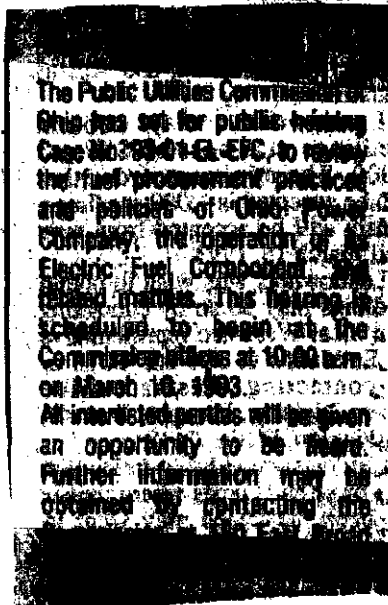
*Jean M. Simpson*

Notary Public

My Commission Expires: 2/23/97

Printer's Fee \$12.45

\*This legal advertisement did not appear in the legal section of said newspaper.



STATE OF OHIO, }  
SCIOTO COUNTY, } SS

Philip Jackson,  
Advertising Manager

*Portsmouth Daily Times*  
Portsmouth, Ohio

A Newspaper printed daily and of general circulation throughout the City of Portsmouth, and the County of Scioto, State of Ohio, being duly sworn, says that the advertisement (a copy of which is hereunto affixed) was published in said Newspaper for the term

of One Time

from and after the Twenty-Third

day of February A.D. 19 93

viz: February 23, 1993

PER INSERTION ORDER AD DID NOT  
APPEAR IN LEGAL SECTION

Circulation - over 17,400

The price charged does not exceed the rate provided in Section 7.10 of the Revised Code of Newspaper Laws of Ohio.

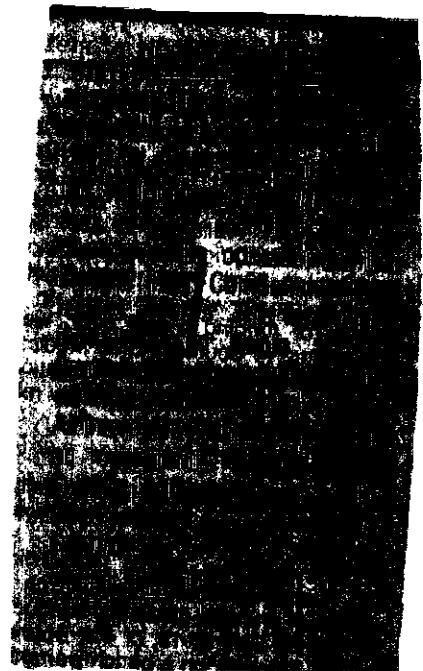
Philip Jackson

Sworn to and subscribed before me, this

23rd day of February A.D. 19 93

Doris Walker

DORIS WALKER  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES DEC. 8, 1993





THIS AD DID NOT APPEAR IN THE  
LEGAL SECTION.

State of Ohio,  
Stenbenville,  
Jefferson County, ss.

Rebecca E. Maguder

being sworn, says she is

bookkeeper

of THE HERALD-STAR, a News-  
paper published, and of general  
circulation in said County and  
City, and that the Notice, of  
which the annexed is a true copy,  
was published in said newspaper

once on \_\_\_\_\_

February 23, 1993

*Rebecca E. Maguder*

Sworn to and subscribed before

me this 23rd day of

February, 1993

*G. Roberta Pennypacker*

MY COMMISSION EXPIRES OCT. 12, 1997

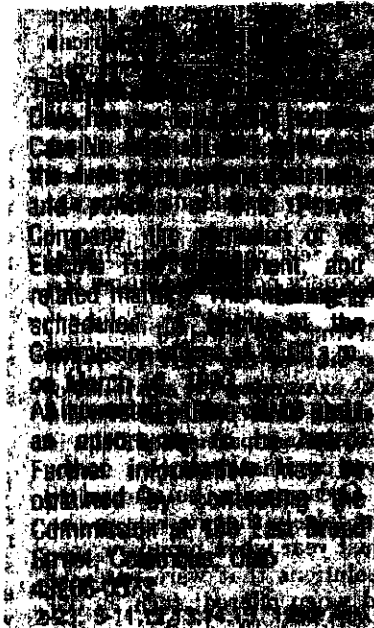
STATE OF OHIO

NOTARY PUBLIC

G. ROBERTA PENNYPACKER

Printer's fees \$32.85

Card No. 20091





**PROOF OF PUBLICATION**      **Park Newspapers of Winchester/The News-Gazette**

STATE OF INDIANA  
RANDOLPH COUNTY

SS:

Personally appeared before me, the undersigned, who, being duly sworn, on his oath says he is one of the publishers, or accountant of Park Newspapers of Winchester/The News-Gazette, a newspaper of general circulation, printed and published at Winchester, in said County of Randolph, State of Indiana, and that the attached notice was published therein for 1 consecutive weeks.

The first insertion being on the 23 day of February 19 93  
The second insertion being on the \_\_\_ day of \_\_\_ 19 \_\_\_  
The third insertion being on the \_\_\_ day of \_\_\_ 19 \_\_\_  
The fourth insertion being on the \_\_\_ day of \_\_\_ 19 \_\_\_

Printer's Fee \$  
Notice to Post \$  
Total \$

Judy Hudwick

Subscribed and sworn to before me this 24th day of

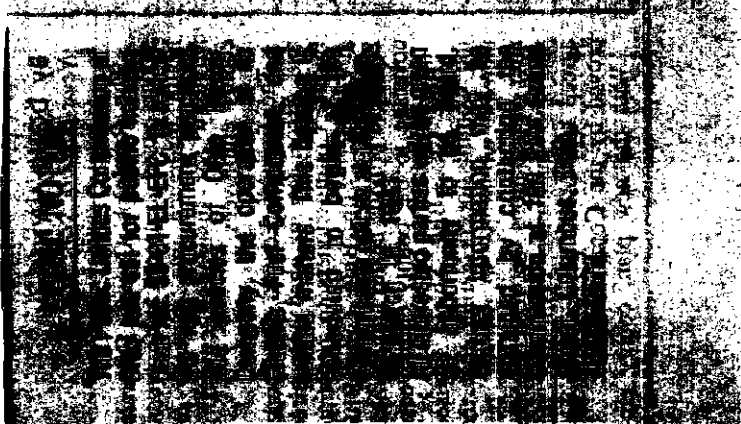
February, 19 93.

Marsha D. Smiley  
Notary Public.

January 21, 1995  
Randolph County, Ind.

My commission expires

THIS AD DID NOT APPEAR IN THE  
LEGAL SECTION OF THIS NEWSPAPER.



THIS DID NOT APPEAR ON THE LEGAL PAGE.

# THE DAILY CHIEF-UNION

THE DAILY CHIEF CO., Publishers

## PROOF OF PUBLICATION

UPPER SANDUSKY, OHIO, Feb. 23 19 93

THE STATE OF OHIO } ss.  
Wyandot County

Bette Snyder, a representative of  
THE DAILY CHIEF-UNION, a newspaper published and of general cir-  
culation in the County of Wyandot and State of Ohio, being sworn accord-  
ing to law, says, that a notice, true copy of which is hereto attached, was  
published in said paper for One Day

beginning on the 23rd day of February A. D. 1993

Sworn to and subscribed before me this 23 day of

Feb. 23 1993  
Notary  
THOMAS E. MARTIN, Notary Public

Printer's Fees, \$

My Commission Expires June 23, 1997

State of Ohio, Van Wert County, ss.

**LEGAL NOTICE**

The Public Utilities Commission of Ohio has set the public hearing case No. 33-01-21, EFC, to receive the full procedural briefs and evidence of Ohio Power Company, the operation of its Electric Fuel Component, and related matters. This hearing is scheduled to begin at 10:00 A.M. Commission Offices at 1000 A.M. All interested parties will be given an opportunity to be heard. Further information may be obtained by contacting the Commission at 1000 A.M. Street, Columbus, Ohio 43260. (614) 467-3222. The hearing will be held in the Commission's hearing room at 1000 A.M. Street, Columbus, Ohio 43260. The hearing will be held in the Commission's hearing room at 1000 A.M. Street, Columbus, Ohio 43260.

Personally appeared before me vickie Trisel and made solemn oath, that the notice, a copy of which is hereto attached, was published for one consecutive weeks, on and next after Feb. 23, 19 93, in the VAN WERT TIMES-BULLETIN, a newspaper of general circulation in the county aforesaid. Vickie Trisel Ofc. Mgr.

The Van Wert Publishing Co., Publishers of the Times-Bulletin

Sworn to before me and signed in my presence this 24th day of Feb., A. D., 19 93.

Loretta Markward, Notary Public  
(My commission expires April 24, 19 97)

Printer's Fee, \$ 23.90  
**LORETTA MARKWARD**  
**NOTARY PUBLIC, STATE OF OHIO**  
**My Commission Expires April 24, 1997**

THIS DID NOT APPEAR IN THE LEGAL SECTION.

[illegible]


## STATE OF OHIO, AUGLAIZE COUNTY, ss.

L.87 \_\_\_\_\_

*Georgene A. Bowersock*

Notary Public, Auglaize County - Ohio

Wapakoneta, OH  
GEORGENE A. BOWERSOCK  
NOTARY PUBLIC, STATE OF OHIO  
My Commission Expires March 7, 1996



**Daily News, Wednesday**  
**GEORGE A. BOWERSOCK**  
**NOTARY PUBLIC, STATE OF OHIO**  
**My Commission Expires March 7, 1996**

THE STATE OF OHIO  
Wayne County, ss.

I, Nancy Boykin of \_\_\_\_\_

**The Daily Record**

a newspaper of general circulation within said Wayne County, being  
duly sworn, depose and say that the notice of which the annexed is  
a true copy was published in said newspaper 1 consecutive  
weeks, commencing on the 23 day of February

A D, 1993 THIS NOTICE DID NOT APPEAR IN  
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Nancy Boykin

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23 day of February, 1993

NOTARY PUBLIC

My Commission Expires \_\_\_\_\_

By Spring McCallum

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THE STATE OF OHIO, MUSKINGUM COUNTY, ss:

In the court of 1. Mike Foster  
do make solemn oath that I am an agent of The Times Recorder and The Sunday Times Recorder, news-  
papers printed and published in the City of Zanesville, in Muskingum County, and of general circulation in  
said county, said paper, The Times Recorder (daily) having a circulation of more than fifteen thousand, and  
that fees charged for publication do not exceed rates as provided in Chapter 7, Section 7-10, OGC, and that  
the original notice, a true copy of which is hereunto attached, was published in THE TIMES RECORDER  
for 23 consecutive weeks, commencing on the Tues day of February 23, 19 93

Sworn to and subscribed before me on the 23 day of February A.D., 19 93

Printers Fees—\$                     

John P. [Signature]  
Notary Public

My Commission expires 3-27-94

LOOK BEHIND NO.



BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Regulation of the )  
Electric Fuel Component Contained ) Case No. 93-01-EL-EFC  
Within the Rate Schedules of the Ohio )  
Power Company and Related Matters. )

Testimony of Paul W. Daley  
on Behalf of  
OHIO POWER COMPANY

February 26, 1993

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PAUL W. DALEY  
CASE NO. 93-01-EL-EFC

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TESTIMONY OF PAUL W. DALEY  
ON BEHALF OF OHIO POWER COMPANY  
PUCO CASE NO. 93-01-EL-EFC

1. Q. Please state your name, address, and position.

2. A. My name is Paul W. Daley. My business address is Post  
3. Office Box 700, One Memorial Drive, Lancaster, Ohio  
4. 43130. I am employed by the American Electric Power  
5. Service Corporation ("AEPSC") in the Fuel Supply  
6. Department as the Director of Regulatory Affairs.

7. Q. Mr. Daley, would you briefly summarize your education  
8. and professional experience?

9. A. I graduated from Union College in Schenectady, N.Y. in  
10. 1965 with a Bachelor of Science Degree in Electrical  
11. Engineering. In 1978 I received a Master of Business  
12. Administration Degree, with distinction, from New York  
13. University. From 1981 to 1983 I was a doctoral  
14. candidate in management and labor relations at Pace  
15. University in New York City. I was elected to Beta  
16. Gamma Sigma, the national honor fraternity for business  
17. education, in 1978. I am currently a member of the  
18. Society of Mining Engineers.

19. Upon graduation in 1965 I was employed by Sanderson  
20. & Porter, Inc. in New York City, as an electrical  
21. engineer. While with this firm from 1965 to 1967 I  
22. worked on engineering consulting studies for a number of  
23. electric utilities. These studies were primarily  
24. projections of fuel and other electric power production  
25. expenses for coal and oil-fired generation.

1. In 1967 I accepted a position with United Engineers  
2. & Constructors, in Morris, Illinois, as an assistant  
3. electrical superintendent. In that capacity I was  
4. responsible for supervision of field engineering and  
5. estimating for the construction of the Dresden Nuclear  
6. Power Plant Units 2 and 3 for the Commonwealth Edison  
7. Company.

8. In 1970 I accepted a position as an electrical  
9. engineer with AEPSC in New York City. In 1971 I was  
10. promoted to Project Management Engineer for the  
11. engineering and construction of the Donald C. Cook  
12. Nuclear Plant. In 1975 I was promoted to Manager of the  
13. Nuclear Safety & Licensing Section. In 1977 I became  
14. the Assistant Manager of the Projects Division. In that  
15. capacity I was responsible for economic studies,  
16. budgeting, cost control and contract administration for  
17. the engineering and construction of the Mountaineer and  
18. Rockport coal-fired power plants. In 1980 I became the  
19. Manager of Project Controls with the same functional  
20. responsibilities. I was named to my present position at  
21. the beginning of 1984.

22. Q. Have you previously testified in any regulatory  
23. proceedings on the subjects of affiliate coal mining,  
24. non-affiliate coal procurement, coal price forecasts,  
25.

1. coal contract market price comparisons, coal
2. transportation and costs related thereto?
3. A. Yes. I have testified on these subjects before the
4. Public Utilities Commission of Ohio ("PUCO") on behalf
5. of Ohio Power Company ("OPCO" or "Company") in Case Nos.
6. 83-31-EL-EFC (Subfile "A"), 84-11-EL-EFC, 84-11-EL-EFC
7. (Subfile "A"), 85-01-EL-EFC, 85-01-EL-EFC (Subfile "A"),
8. 86-01-EL-EFC, 87-01-EL-EFC, 87-101-EL-EFC, 88-01-EL-EFC,
9. 88-101-EL-EFC, 89-01-EL-EFC, 89-101-EL-EFC, 90-01-EL-
10. EFC, 90-101-EL-EFC, 91-01-EL-EFC, 91-101-EL-EFC,
11. 92-01-EL-EFC, 92-101-EL-EFC, and 92-790-EL-ECP. I have
12. also testified on these subjects before the PUCO on
13. behalf of Columbus Southern Power Company and before the
14. Indiana Utility Regulatory Commission and the Public
15. Service Commission of Michigan on behalf of Indiana
16. Michigan Power Company, the Kentucky Public Service
17. Commission on behalf of Kentucky Power Company, and the
18. Virginia State Corporation Commission on behalf of
19. Appalachian Power Company.
20. Q. What is the purpose of your testimony in this
21. proceeding?
22. A. The purpose of my testimony in this proceeding is: to
23. briefly review the roles and responsibilities of the
24. Fuel Supply Department; to provide an update on OPCO
25. affiliate coal company operations during 1992 and the

1. audit year of December 1991 to November 1992; to discuss  
2. non-affiliate coal procurement matters including several  
3. new as well as renegotiated coal contracts; and finally,  
4. to address the price relationships between affiliate and  
5. non-affiliate coal suppliers.

6.

7. ROLES AND RESPONSIBILITIES OF FUEL SUPPLY DEPARTMENT

8.

9. Q. What services are provided by the Fuel Supply Department  
10. of AEPSC?

11. A. The Fuel Supply Department of the AEPSC acts as agent  
12. for all the American Electric Power operating companies,  
13. including the Company, and is responsible for the  
14. overall procurement and delivery of coal to all the  
15. American Electric Power System generating facilities.  
16. The American Electric Power System consists of 17  
17. operating coal-fired generating stations made up of 45  
18. generating units.

19. Q. Mr. Daley, how are the coal requirements for the Company  
20. determined?

21. A. The coal requirements for the Company and all of the  
22. other operating companies of the American Electric Power  
23. System are based on the qualities and quantities  
24. provided by the AEPSC's System Planning, Engineering and  
25. Operations Departments. It is the Fuel Supply

1. Department's general objective to obtain approximately  
2. 80%-85% of the total coal requirements for all of the  
3. American Electric Power System operating companies from  
4. a combination of non-affiliate sources under long-term  
5. contracts and affiliate mining operations, thus assuring  
6. the generating stations of a relatively stable and  
7. consistent supply of coal.

8. The remaining coal needs are normally satisfied by  
9. making short-term and spot coal purchases. Additional  
10. spot purchases may occasionally be made to make up for  
11. shortfalls in deliveries caused by force majeure and  
12. other unforeseeable or unexpected circumstances which  
13. are outside the direct control of the Company and which  
14. may interfere with or prevent suppliers from meeting  
15. their contractual obligations to supply coal.

16. Spot purchases may also be made to test burn any  
17. promising and potential new long-term sources of coal in  
18. order to determine its acceptability as a fuel source in  
19. a given power plant's generating unit.

20. Q. What are the overall objectives of the Fuel Supply  
21. Department?

22. A. The highest priority of the Fuel Supply Department is to  
23. assure a continuous and reliable supply of coal of the  
24. appropriate quality for all of the generating stations,  
25. which is delivered at the lowest cost over a period of

1. years so as to promote the generation of the lowest cost  
2. per kilowatthour of electricity, within the constraints  
3. of safety, reliability of supply, contractual  
4. obligations and environmental requirements.

5. Q. Mr. Daley, have the procurement and administrative  
6. policies and practices of the Fuel Supply Department  
7. been changed since the Commission's last OPCO fuel  
8. proceeding?

9. A. While the Coal Procurement Manual has not changed, the  
10. Coal Procurement Procedures Manual was revised in  
11. November 1992, primarily to change spot coal purchase  
12. order procedures in accordance with recommendations by  
13. the Management/Performance Auditor in Case No.  
14. 92-01-EL-EFC.

15.

16. AFFILIATE COAL COMPANY RESULTS & PLANS

17. Productivity

18. Q. Now moving to another subject, would you review  
19. productivity at the OPCO affiliated coal companies in  
20. 1992?

21. A. As compared to 1991, it was up substantially at all four  
22. mines to record highs at each mine.

23. Q. Would you please provide the details?

24. A. The productivity at Meigs for each year since 1978, and  
25. each month in 1992, is shown on PWD Exhibit No. 1. The



1. 20.88 tons per manshift in 1992 is an 8% productivity  
2. improvement over 1991 and the highest productivity rate  
3. ever achieved at Meigs. Excluding office and management  
4. personnel, as the industry generally measures  
5. productivity, the 1992 productivity was 27.65 tons per  
6. manshift.

7. Q. What about productivity at Windsor?

8. A. PWD Exhibit No. 2 provides the yearly Windsor  
9. productivity for 1984 through 1991 as well as the  
10. monthly data for 1992. The 20.10 tons per manshift in  
11. 1992 is 11% higher than the 1991 figure and is also the  
12. highest in the mine's history. Excluding office and  
13. management personnel, productivity in 1992 was 26.13  
14. tons per manshift.

15. Q. How was productivity at Martinka?

16. A. PWD Exhibit No. 3 provides the productivity data for  
17. Martinka through June 1992 when the mine was sold. The  
18. 19.73 tons per manshift (27.68 excluding office and  
19. management personnel) in the first six months of 1992  
20. was a 37% increase from 1991 and again was the highest  
21. in the mine's history.

22. Q. Finally, would you please tell us about productivity at  
23. Central Ohio Coal Company ("COCCO")?

24. A. In 1992, the productivity was 21.20 tons per manshift  
25. which is 16% above 1991's figure of 18.20 and is also a

1. record for the mine. Excluding office and management  
2. personnel, productivity in 1992 was 27.39.

3. Projected and Actual Costs

4. Q. Now that you have discussed productivity, would you  
5. discuss costs in 1992 and cost trends?

6. A. PWD Exhibit No. 4 provides the projected and actual  
7. annual FOB mine costs for each mine from 1983 through  
8. 1992 as well as the projection for 1993 and 1994. In  
9. 1992, three of the four mines were substantially below  
10. both the 1991 actual cost and the 1992 projection.  
11. Meigs was up by less than a dollar per ton over 1991 and  
12. was \$2.32 per ton over the budget, primarily due to the  
13. reduction in tonnage resulting from the realignment in  
14. August of 1992.

15. It should be pointed out that the \$37.27 per ton in  
16. 1992 for Muskingum (COCCO) was actually the FOB mine  
17. cost per ton of the 3,073,762 tons shipped to Muskingum  
18. River Power Plant on the overland conveyor in 1992.  
19. These shipments reflect the accounting effect of rolling  
20. the 1992 mine production of 2,686,804 clean tons at  
21. \$35.51 per ton through the clean coal inventory pile at  
22. the mine site.

23. Q. Are the 1993 projections the same as those given in PWD  
24. Exhibit No. 4 of your prefiled testimony in Case No.  
25. 92-101-EL-EFC?

1. A. No. Windsor and Muskingum have been lowered  
2. substantially while Meigs was increased by only 23 cents  
3. per ton. The projections for 1994 are new.

4. Q. What about the trend of affiliate delivered costs on an  
5. aggregate cents per million Btu basis?

6. A. Please refer to PWD Exhibit No. 5. It can be seen there  
7. that the weighted average affiliate delivered cost for  
8. the December 1991 to November 1992 audit year was 164.66  
9. cents per million Btu. This is a decrease of 6% from  
10. the prior audit year.

11. Q. How does the 1992 result compare to the 1992 projection?

12. A. At 166.00 ¢/MBtu it is 4% below the projection of 173.28  
13. ¢/MBtu.

14. Q. Is the 1993 projection the same as that given in PWD  
15. Exhibit No. 5 of your prefiled testimony in Case No.  
16. 92-101-EL-EFC?

17. A. No. It has been lowered from 169.18 to 166.56 ¢/MBtu.  
18. The 1994 projection of 177.62 ¢/MBtu is new.

19.

20. NON-AFFILIATE COAL PROCUREMENT

21. New Contracts

22. Q. Did OPCO enter into any new long-term coal contracts  
23. since your testimony in Case No. 92-101-EL-EFC?

24. A. Yes. OPCO has executed a new long-term fuel supply  
25. agreement with Sands Hill Coal Company, Inc. In

1. addition, the Company, through its ownership share of
2. the Cardinal Operating Company, indirectly entered into
3. a new coal contract with Arch Coal Sales Company, Inc.
4. Sands Hill Contract
5. Q. Would you please discuss the terms of the new contract
6. with Sands Hill Coal Company, Inc.?
7. A. OPCO entered into a long-term contract with Sands Hill
8. Coal Company, Inc. on December 15, 1992 for deliveries
9. to the Gavin Plant. The term of the contract is for
10. twelve years, from January 1993 through December 2004,
11. with OPCO having a unilateral right to extend the
12. agreement up to 60 additional months.
13. Q. What are the tonnage commitments under this contract?
14. A. For the period January through June 1993, the contract
15. tonnage shall be 55,000 tons per month. Beginning July
16. 1, 1993 and continuing thereafter, the Seller shall
17. deliver 600,000  $\pm 15\%$  tons per contract half-year.
18. Should the Gavin Plant's burn fall below six million
19. tons per year on a 12-month rolling basis, and following
20. the cessation of shipments from all other non-affiliated
21. vendors, the Company may reduce Sands Hill's deliveries
22. over the following 12 months by up to the amount Gavin's
23. burn was less than six million tons.
24. Q. What are the quality parameters of the Sands Hill Coal
25. Company fuel supply contract?

1. A. The contracted quality specifications for the Sands Hill
2. agreement are: 11,100 Btu/lb.; 9.0% moisture; 12.5%
3. ash; and less than or equal to 6.5 lb. SO<sub>2</sub>/MMBtu.
4. Q. What are the pricing terms under the Sands Hill
5. contract?
6. A. Except for adjustments to Federal Reclamation Fee,
7. Federal Black Lung Excise Tax, Ohio Severance Tax, and
8. Changes in Law, the calendar year 1993 base price will
9. be fixed at \$23.30/ton, FOB barge. For calendar year
10. 1994, the base price will be fixed at \$24.00/ton, FOB
11. barge.
12. For deliveries after January 1, 1995, the contract
13. becomes a base price plus escalation-type agreement.
14. The base price will be \$24.20/ton, FOB barge, and
15. subject to semi-annual adjustments commencing January 1,
16. 1995. The adjustments will be made in proportion to 85%
17. of the change in the three-month average of government
18. indices.
19. Q. Does this contract contain a provision for a market
20. price reopener?
21. A. Yes. Upon written notice by either party prior to July
22. 1, 1999, either party may reopen the agreement to
23. negotiate a Revised Base Price which would become
24. effective on or after January 1, 2000. Should the
25. contract be reopened, and agreement not be reached on a

1. Revised Base Price the Buyer must determine the
2. then-current market price. If the market price at July
3. 1, 1999 differs from the contract base price, the
4. Revised Base Price will be the base price  $\pm$  one-half the
5. difference between the market price and the then-current
6. base price. If the market price is less than the base
7. price, the Seller may elect to terminate the agreement
8. effective December 31, 1999 by giving 30 days written
9. notice from the Buyer's notice to Seller of the Revised
10. Base Price.
11. Q. Does the Sands Hill fuel supply agreement contain
12. quality adjustments?
13. A. Yes. The Btu/lb. calorific adjustment is the percentage
14. change in Btu/lb. from 11,000 Btu/lb. times the
15. applicable base price, with a cap of 11,500 Btu/lb.
16. There is a sulfur dioxide penalty of \$3.00/ton, adjusted
17. proportionally with all base price adjustments, for each
18. applicable lot's unloading which exceeds the suspension
19. specifications. In addition, there is also a sulfur
20. dioxide penalty on a half-month weighted average basis
21. that is proportional to the degree that the average
22. exceeds the specification and to the then-current base
23. price.
24. Q. Has a cost-benefit analysis been performed which
25. evaluates the benefits of entering into this contract?

1. A. Yes, the net present value benefit has been estimated to  
2. be \$2,563,000.

3. Arch Coal Sales Contract

4. Q. The Management/Performance Auditor in Case No.  
5. 91-01-EL-EFC recommended that FSD study whether there  
6. would be value to a buy-out of the Donaldson contract.  
7. Was such a study conducted?

8. A. Yes.

9. Q. Has the Donaldson Mine Company contract been replaced?

10. A. Yes. The Donaldson contract has been replaced with a  
11. new fuel supply agreement with Arch Coal Sales Company,  
12. Inc. ("Arch").

13. Q. What is the term of the new Arch contract?

14. A. The contract was made as of December 21, 1992 with a  
15. term of twenty years, from December 1, 1992 through  
16. November 30, 2012. The Buyer has the unilateral option  
17. to extend the contract for a period of up to five years.

18. Q. What is the tonnage commitment under the Arch agreement?

19. A. Starting December 1, 1992, the tonnage commitment is  
20. 1,300,000 tons per year, subdivided into 650,000  
21. tons per contract half-year. The contract half-years  
22. will extend from December through May and June through  
23. November.

24. For the first contract half-year, the Buyer  
25. exercised its right to decrease the 650,000 ton base

1. quantity obligation to a quantity obligation of 288,000
2. tons. In subsequent contract half-years, the Buyer may
3. elect to increase or decrease the 650,000 ton base
4. quantity obligation by 15% by giving the Seller sixty
5. calendar days written notice. If no notice is given,
6. the contract half-year quantity obligation shall be
7. deemed to be the minimum contract half-year quantity.
8. However, the Buyer must take a total of 2,600,000 tons
9. during each two-year period commencing December 1, 1994.
10. Q. What are the pricing terms under this contract?
11. A. This is a base price plus escalation type agreement,
12. with an initial base price of \$35.580/ton, FOB barge.
13. The initial base price FOB Cardinal Plant Fleeting
14. (delivered) is \$38.580/ton. These base prices are
15. subject to adjustment starting on July 1, 1992, and
16. shall be adjusted on January 1 and July 1 of each year.
17. The Federal Reclamation Fee, Federal Black Lung Excise
18. Tax, West Virginia Special Reclamation Tax, and the West
19. Virginia Mines and Minerals Operations Fund Tax (the
20. "Assessments Component") are adjusted per actual rates.
21. The initial base price other than the Assessments
22. Component is broken into two parts. The first part is a
23. \$6.80/ton fixed component, which is not subject to
24. escalation. The second part comprises all other
25. adjustable components, which are escalated at 85% of the



1. change in the respective government indices. Overall,
2. the effective fixed portion of this contract's base
3. price is 34% (19% resulting from the \$6.80/ton fixed
4. component and 15% which is not subject to escalation by
5. various government indices).
6. Q. What are the quality specifications contained in the
7. Arch contract?
8. A. The contracted quality specifications for the Arch
9. agreement are: 12,000 Btu/lb.; 8.0% moisture; less than
10. 14.0% ash; and less than 1.30 lb. SO<sub>2</sub>/MMBtu
11. (10/92-03/94) and less than 1.20 lb. SO<sub>2</sub>/MMBtu
12. (04/94-11/2012).
13. Q. Does the Arch Coal Sales coal contract contain quality
14. adjustments?
15. A. Yes. The Btu/lb. calorific adjustment is the percentage
16. change in Btu/lb. from 12,000 Btu/lb. times the
17. applicable base price less \$6.80/ton, with a cap of
18. 12,500 Btu/lb. There is an initial sulfur dioxide
19. penalty of \$3.00/ton, which is subject to escalation,
20. for each applicable lot's unloading which exceed the
21. suspension specifications. In addition, there is also a
22. sulfur dioxide penalty on a half-month weighted average
23. basis that is proportional to the degree that the
24. average exceeds the specification and to the
25. then-current base price.

1. Q. Has a cost-benefit analysis been performed which  
2. evaluates the benefit of replacing the Donaldson  
3. contract with the Arch contract?

4. A. Yes. The net present value benefit has been estimated  
5. to be at least \$53.9 million.

6. Renegotiated Contracts

7. Q. Were any of OPCO's existing long-term fuel supply  
8. contracts renegotiated during the audit period?

9. A. During the current audit period, December 1991 through  
10. November 1992, the Company renegotiated its long-term  
11. fuel supply agreements with Marietta Coal Company and  
12. Consolidation Coal Company ("CONSOL").

13. Q. What are the details of the Marietta Coal Company  
14. contract renegotiation?

15. A. The terms of Marietta Contract Amendment No. 1990-2  
16. required Marietta and the Company to "negotiate in good  
17. faith to extend the term of the Agreement through August  
18. 31, 1994."

19. During the month of May 1992, the parties  
20. negotiated such a contract extension for two years to  
21. August 31, 1994 at a new base price of \$29.33/ton, FOB  
22. barge at the Seller's facility. The following is a  
23. synopsis of the renegotiated components of the Marietta  
24. contract.

25.

1. 1. The contract termination date was extended from
2. August 31, 1992 through August 31, 1994.
3. 2. The parties have agreed to amend Article I, Section
4. 2 of the contract to provide for Marietta's right
5. of first refusal on a five-year term extension.
6. This extension right would allow the Company to
7. revise any or all of the terms and conditions,
8. including quality and price, to match the best
9. market price offer for suitable quality coal for
10. the Gavin Plant.
11. 3. The contract delivery schedule remains at 500,000
12. tons per year.
13. 4. The FOB barge price was set at \$29.33/ton. This
14. price will remain fixed and firm for all shipments
15. during the period February 1992 through August
16. 1994, except for adjustments as provided for within
17. Article IX, Changes In Law.
18. 5. The mechanism of Article VI, Base Price
19. Adjustments, will have no force during the contract
20. extension period.
21. 6. The Btu/lb. bonus/penalty quality adjustment was
22. established at ±\$0.0040/ton for each Btu above or
23. below 11,200 Btu/lb., subject to modification by
24. Article IX, Changes In Law.
- 25.

1. 7. Article IX, Changes In Law, was amended to include  
2. those regulations in effect as of February 1, 1992.

3. The net result of the foregoing modifications was a  
4. reduction in the base price of approximately \$3.93/ton  
5. effective February 1, 1992.

6. Q. Was a cost-benefit analysis conducted to evaluate the  
7. benefits of this amendment?

8. A. Yes, the net present value from the Marietta contract  
9. renegotiation was calculated to be \$281,000 (at a 3%  
10. annual escalation rate and an annual discount rate of  
11. 8%).

12. Q. What are the results of the CONSOL renegotiation?

13. A. CONSOL has been supplying coal to the Company's Kammer  
14. Plant pursuant to a Coal Supply Agreement dated December  
15. 22, 1982. Article VII, Section 2(o) of this agreement  
16. provided for a Periodic Price Review effective  
17. January 1, 1992. The following is a synopsis of the  
18. renegotiated components of the CONSOL contract.

19. 1. The selling price was reduced (discounted) by  
20. 29.86% effective January 1, 1992. The base price  
21. shall continue to be escalated in accordance with  
22. the existing contract terms, but the 29.86%  
23. discount to the selling price will be ongoing for  
24. the remainder of the agreement.

25.

1.        2.    The Worker's Compensation accrual rate shall be
2.               fixed and firm at 11% during the period January
3.               1992 through June 1995.
4.        3.    The Federal and State Income Tax component of the
5.               base price shall be fixed and firm at \$0.750/ton
6.               during the period January 1992 through June 1995.
7.        4.    The Btu/lb. bonus/penalty quality adjustment will
8.               increase the applicable base price by \$0.300/ton
9.               for each one hundred (100) Btu, fractions pro rata,
10.              over 11,800 Btu/lb. Similarly, the base price will
11.              be reduced by \$0.300/ton for each one hundred (100)
12.              Btu, fractions pro rata, under 11,800 Btu/lb. This
13.              \$0.300/ton adjustment is inclusive of the West
14.              Virginia Severance Tax.
15.        5.    Effective each time the base price is adjusted, the
16.               adjusted base price, less the 29.86% discount,
17.               shall be compared to the base price of \$30.00/ton.
18.               The percentage change in the base price shall be
19.               multiplied by the \$0.300/ton Btu/lb. adjustment
20.               cited above. The dollar amount obtained shall be
21.               added to or subtracted from the \$0.300/ton. The
22.               adjusted amount per ton shall be used in the
23.               calculation for adjusting the price for Btu quality
24.               until the base price is again adjusted.
- 25.

1.           The CONSOL 1992 Periodic Price Reopener resulted in  
2.           a 29.86% discount to the selling price. This discount  
3.           amounted to a \$12.20 per ton cost savings, effective  
4.           January 1, 1992.

5.   Q.   Was a cost-benefit analysis conducted for this  
6.           amendment?

7.   A.   Not per se because the contract requires that a new  
8.           price be set and does not allow for termination of the  
9.           contract which would be needed to provide a market  
10.          alternative to evaluate against. However, at \$12.20 per  
11.          ton of savings times 1,530,000 tons per year times three  
12.          and one-half years, the total savings as a result of the  
13.          price reopener are approximately \$65 million.

14.          Minimum Tonnages

15.   Q.   What steps has OPCO taken to minimize the fuel cost from  
16.           its current non-affiliate coal suppliers?

17.   A.   The Company is continuing its program to hold contract  
18.          coal suppliers at their minimum tonnage levels specified  
19.          under the respective contracts for calendar year 1993.

20.   Q.   Would you please describe the savings resulting from  
21.           this program?

22.   A.   By electing to receive minimum contract requirements  
23.          from its non-affiliate contract suppliers, the Company  
24.          may substitute currently less expensive spot market coal  
25.          purchases for 225,500 tons of contract coal and obtain

1. an estimated cost savings of \$2,264,540 for calendar  
2. year 1993.

3.

4. AFFILIATE - NON-AFFILIATE COMPARISON

5.

6. Q. Would you please discuss the price comparison between  
7. affiliate and non-affiliate coal suppliers?

8. A. PWD Exhibit No. 6 provides the delivered coal cost  
9. comparison for two time periods. They are:

10. \* Period I - December 1990 through November 1991  
11. (the prior audit period); and,

12. \* Period II - December 1991 through November 1992  
13. (current audit period).

14. The source data for this exhibit has been supplied as  
15. part of the 30-Day Filing for the Company in this and  
16. past fuel clause proceedings.

17. As in prior proceedings, the fuel cost comparison  
18. is between the Company's affiliate coal costs and  
19. non-affiliate long-term contract ("contract") coal  
20. selling prices. The comparisons are made on a delivered  
21. ¢/MBtu basis.

22. Q. What are the results of the comparison?

23. A. In Period I (the prior audit period), the cost  
24. differential between affiliate and contract prices was  
25. 24.07¢/MBtu, or 15.9% over the prevailing contract

1. prices. In Period II (the current audit period), the  
2. cost differential declined to 21.25¢/MBtu, or 14.8% over  
3. the contract prices.

4. Q. Why did the differential decrease between the prior and  
5. current periods?

6. A. Please see PWD Exhibit No. 7. This exhibit depicts the  
7. inter-period (Period I versus Period II) cost  
8. differentials, subdivided by surface and underground  
9. sources of coal.

10. The affiliate and non-affiliate contract surface  
11. coal prices moved in the same directions. However, the  
12. affiliate surface prices dropped by 5.85¢/MBtu or 3.3%.  
13. When considering that Central Ohio Coal Company's clean  
14. coal production level remained about the same as the  
15. prior year at only 80% of its historical production  
16. level, the reduction in the delivered fuel price  
17. represents the continuance of significant cost  
18. containment during the current audit period. The  
19. non-affiliate contract surface coal prices decreased by  
20. 1.94¢/MMBtu, or 1.3%.

21. The affiliate underground cost decreased by  
22. approximately 7% (12.28¢/MMBtu) with all of the  
23. underground mines contributing to the decrease.

24. The non-affiliate contract underground prices also  
25. dropped by approximately 7% (11.42¢/MMBtu). The CONSOL



1. contract renegotiation and price reduction was a primary  
2. cause of the non-affiliate contract underground  
3. reduction.

4. Q. Would you summarize your overall conclusions at this  
5. time?

6. A. For the period under review, I believe the delivered  
7. coal costs for OPCO have been reasonable and prudently  
8. incurred. These opinions are supported by my seven  
9. exhibits which were prepared for this proceeding.

10. When all factors are considered, I believe that the  
11. Company has continued to obtain the appropriate quality  
12. coal, from assured and reliable sources, and which is  
13. delivered at the lowest cost over a period of time so as  
14. to promote the generation of the lowest cost per kwh of  
15. electricity.

16. Q. Does this conclude your testimony?

17. A. Yes.

18.

19.

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25.

OHIO POWER COMPANY  
SOUTHERN OHIO COAL COMPANY  
MEIGS DIVISION

Productivity Factors  
1978 - 1992

	<u>Year</u>	<u>Tons Per Manshift</u>
	1978	5.82
	1979	8.51
	1980	9.02
	1981	9.02
	1982	8.56
	1983	8.55
	1984	10.55
	1985	12.07
	1986	12.32
	1987	13.08
	1988	13.33
	1989	13.29
	1990	16.55
	1991	19.32
	1992	20.88
January	1992	23.91
February	1992	26.11
March	1992	22.84
April	1992	13.52
May	1992	16.77
June	1992	18.97
July	1992	22.15
August	1992	22.63
September	1992	18.67
October	1992	21.80
November	1992	15.84
December	1992	26.30

Source: Company Records

OHIO POWER COMPANY  
WINDSOR COAL COMPANY

Productivity Factors  
1984 - 1992

	<u>Year</u>	<u>Tons Per Manshift</u>
	1984	10.66
	1985	10.98
	1986	11.51
	1987	11.36
	1988	9.61
	1989	14.07
	1990	18.52
	1991	18.19
	1992	20.10
January	1992	19.86
February	1992	13.46
March	1992	23.55
April	1992	23.17
May	1992	22.22
June	1992	20.71
July	1992	17.41
August	1992	12.53
September	1992	20.72
October	1992	22.06
November	1992	21.30
December	1992	25.39

Source: Company Records

OHIO POWER COMPANY  
SOUTHERN OHIO COAL COMPANY  
MARTINKA DIVISION

Productivity Factors  
1984 - 1992

	<u>Year</u>	<u>Tons Per Manshift</u>
	1984	11.56
	1985	12.16
	1986	12.50
	1987	15.84
	1988	15.73
	1989	14.16
	1990	15.76
	1991	14.44
January	1992	23.43
February	1992	17.48
March	1992	16.62
April	1992	20.94
May	1992	18.00
June	1992	21.62
Jan-June	1992	19.73

Source: Company Records

OHIO POWER COMPANY  
ACTUAL AND PROJECTED COSTS  
FOR AFFILIATE COAL MINES  
\$/TON FOB MINE

	<u>Meigs</u>	<u>Martinka</u>	<u>Windsor</u>	<u>Muskingum</u>
1983 Projection	48.43	38.81	43.44	40.03
1983 Actual	50.01	40.56	42.99	35.85
1984 Projection	48.85	42.72	45.32	39.34
1984 Actual	48.88	41.58	42.14	37.00
1985 Projection	42.97	43.75	45.16	39.34
1985 Actual	44.38	40.15	40.21	37.40
1986 Projection	41.59	43.76	42.49	38.79
1986 Actual	43.90	41.29	40.05	37.39
1987 Projection	43.78	43.42	42.06	38.77
1987 Actual	42.53	35.82	42.65	36.57
1988 Projection	40.34	34.86	42.98	37.68
1988 Actual	41.67	35.19	43.89	37.60
1989 Projection	39.92	35.58	39.11	39.38
1989 Actual	46.02	40.70	40.09	38.57
1990 Projection	38.94	37.63	38.28	39.92
1990 Actual	41.13	38.52	37.56	39.05
1991 Projection	37.60	37.63	37.73	39.80
1991 Actual	36.77	41.33	37.21	39.49
1992 Projection	35.29	45.92	37.10	40.13
1992 Actual	37.61	39.83	33.95	37.27
1993 Projection	37.02	--	36.00	38.30
1994 Projection	38.99	--	38.26	42.51

Source: Actual Data - ER Database  
Projections - Company Records

AGGREGATE OHIO POWER COMPANY  
AFFILIATE DELIVERED COAL COSTS  
¢/MBTU

Audit Year Basis

Jun 1983 - May 1984	199.08
Jun 1984 - May 1985	196.56
Jun 1985 - May 1986	183.04
Jun 1986 - May 1987	188.25
Jun 1987 - Nov 1988	177.40
Dec 1988 - Nov 1989	187.93
Dec 1989 - Nov 1990	182.28
Dec 1990 - Nov 1991	175.22
Dec 1991 - Nov 1992	164.66

1992 Actual YTD

Jan 1992 - Dec 1992	166.00
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1993 Projections

1993	166.56
1994	177.62

Source: Actual Data - ER Database  
Projections - Controller's Forecast

OHIO POWER COMPANY  
FUEL COST ANALYSIS

	<u>Tons</u> <u>(x000)</u>	<u>FOB Mine</u> <u>(\$/Ton)</u>	<u>Delivered</u> <u>(\$/Ton)</u>	<u>Btu/lb.</u>	<u>Delivered</u> <u>(¢/MBtu)</u>
<u>Period I</u>					
<u>12/90-11/91</u>					
Affiliate	12,510	39.00	40.47	11,548	175.22
Contract	4,396	<u>35.02</u>	<u>35.89</u>	<u>11,874</u>	<u>151.15</u>
Wt. Avg.		37.97	39.28	11,633	168.83
Cost Differential					24.07
 <u>Period II</u>					
<u>12/91-11/92</u>					
Affiliate	11,373	36.82	38.09	11,566	164.66
Contract	5,114	<u>32.15</u>	<u>34.17</u>	<u>11,915</u>	<u>143.41</u>
Wt. Avg.		35.37	36.87	11,674	157.93
Cost Differential					21.25
 Inter-Period Cost Differential (12 Months):					- 2.82

Note: (-) indicates a decrease

Source: ER Database

OHIO POWER COMPANY  
FUEL COST DIFFERENTIAL ANALYSIS  
(IN DELIVERED ¢/MBTU)

<u>Affiliate</u>	<u>Period I</u> <u>12/90-11/91</u>	<u>Period II</u> <u>12/91-11/92</u>	<u>Inter-Period</u> <u>Differential</u>
Surface	175.35	169.50	-5.85
Underground	<u>175.19</u>	<u>162.91</u>	<u>-12.28</u>
Weighted Average	175.22	164.66	-10.56
<u>Contract</u>			
Surface	146.44	144.50	-1.94
Underground	<u>155.66</u>	<u>144.24</u>	<u>-11.42</u>
Weighted Average	151.15	143.41	-7.74
Differential	24.07	21.25	-2.82

Note: (-) indicates an decrease

Source: ER Database



**BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO**

**In the Matter of the Regulation of the    )  
Electric Fuel Component Contained        )  
Within the Rate Schedules of Ohio        )    Case No. 93-01-EL-EFC  
Power Company and Related Matters        )**

**Rebuttal Testimony of Paul W. Daley**

**on Behalf of**

**OHIO POWER COMPANY**

**April 1, 1993**

REBUTTAL TESTIMONY OF PAUL W. DALEY  
ON BEHALF OF OHIO POWER COMPANY  
PUCO CASE NO. 93-01-EL-EFC

1 Q. Are you the same Paul W. Daley who presented prefiled direct testimony in this  
2 case?

3 A. Yes.

4 Q. What is the purpose of your rebuttal testimony?

5 A. IEC Witness Kollen opines at page 2 of his Supplemental Direct Testimony in this  
6 case that "[T]he cost of the coal to Ohio Power Company ("OPCO") under the new  
7 Peabody supply agreement is not reasonable." My rebuttal testimony is presented to  
8 demonstrate that his opinion is wrong in that it is founded on faulty assumptions  
9 which are not well-supported, or supported at all, in his testimony.

10 Q. What are the primary foundations for Mr. Kollen's opinion of unreasonableness?

11 A. There appear to be two primary areas. One is a "theory" that the Peabody coal  
12 supply agreement ("the Agreement") coal price includes a "premium" paid by  
13 Peabody for the Martinka mine assets and the assumption of certain of its liabilities.  
14 The second foundation is that the Agreement coal prices are above market prices or  
15 contract prices that did not include a premium to recover the Martinka costs.

16 Q. Would you please address the Kollen theory of a premium paid by Peabody for  
17 Martinka first. What does he base his theory on?

18 A. First, I would note that even Mr. Kollen admits at page 6 that his "evidence" is  
19 largely circumstantial. He appears to base his theory in large part both on  
20 documents the Industrial Energy Consumers ("IEC") received in discovery and his  
21 opinion on the value of mining assets, an area in which he has absolutely no

1 expertise.

2 Q. Would you please discuss the discovery documents first?

3 A. One of the unsuccessful bidders, R. E. Murray, appears to have tied in potential coal  
4 contract prices with what he could afford to pay for Martinka. What Mr. Kollen does  
5 not appear to realize in his leap from this information to his assumption that  
6 Peabody must have a similar tie-in is that, as Mr. Ebetino testified, R. E. Murray as  
7 compared to Peabody and Arch Minerals is a very small, independent operator who  
8 needed cash flow from a coal supply agreement to be able to service debt from  
9 outside financing for essentially all of the purchase price for Martinka. Eventually,  
10 he could not get such financing. However the other bidders, Peabody and Arch  
11 Minerals, are extremely large coal companies which needed no such cash flow for  
12 financing purposes. This is particularly true of Peabody who has an extremely large  
13 parent company.

14 Q. Do you have any data comparing Peabody and Arch Minerals with Murray which  
15 support the characterization of Murray as a very small, independent operator in  
16 comparison to the other two?

17 A. Yes. Based on 1991 data (the most recent data available), Peabody was the largest  
18 coal producer in the country, having produced 92 million tons. Arch Minerals, the  
19 13th largest producer in 1991, produced 19 million tons of coal. Murray produced  
20 3 million tons in 1991, ranking 55th in the nation.

21 Peabody has reserve holdings of 8 billion tons of coal and Arch Minerals has

1 1.8 billion tons. Murray's reserve holdings amount to 119 million tons. On a  
2 revenue basis, Peabody's 1991 revenues were \$1909 million. Arch Minerals' revenues  
3 were \$582 million while Murray's were \$83 million.

4 Finally, based on 1991 data Peabody's assets were \$6133 million, Arch  
5 Minerals' were \$813 million and Murray's were \$83 million.

6 Interestingly, the size of Murray's annual tonnage, revenues and assets are  
7 about the same as the Martinka Division's were prior to the sale to Peabody.

8 Q. What about the value of the Martinka mine assets and liabilities?

9 A. Mr. Kollen relies, at least in part, on the opinion and testimony of Mr. Barta in this  
10 area. Company witness Campbell will address the testimony of Mr. Barta. However,  
11 I would note that once again Mr. Kollen makes an amazing leap. He assumes that  
12 if the intrinsic value to OPCO is less than the net book value on the books of OPCO,  
13 then this lack of value, or "premium" as he calls it, must be the same for Peabody.  
14 This is a faulty leap and assumption, particularly coming from someone who has  
15 absolutely no expertise in this area.

16 Q. What possible factors might lead Peabody to assign more value to the Martinka mine  
17 than OPCO?

18 A. The ability of Peabody to market Martinka coal to a much wider market than OPCO.

19 Q. Do you mean to other utilities?

20 A. Possibly. However, based on trade journal reports we now know that Peabody also  
21 saw opportunities to sell this coal to cogeneration projects, industrial customers and

1 the export and metallurgical markets.

2 Q. Can coal sold in some of these markets command a higher price?

3 A. Yes, particularly the metallurgical coal market. Coal sold in this market has a higher  
4 value and, therefore, commands a higher price. Peabody saw a possibility of that  
5 market for Martinka in the future.

6 Q. Are there any reasons that Peabody might assign more value to owning Martinka  
7 than other coal companies might assign?

8 A. Yes. Peabody already owned a substantial tract of coal reserves adjacent to  
9 Martinka known as the Guffey reserves. OPCO purchased a very small portion of  
10 these reserves several years ago in order to facilitate the future mine plan. By  
11 purchasing Martinka, Peabody gained the existing mine portals and other facilities  
12 which provide Peabody with low-cost access to the reserves they already owned.

13 Q. What about Mr. Kollen's assertion on page 8, that "*Peabody proposed to operate the*  
14 *mine only through the third quarter of 1994 and then to shut it down.*"?

15 A. It is true that the mine will only supply the Mitchell plant through that time.  
16 However, we know of no definitive Peabody plans to shut the mine down then. In  
17 fact, they have said it will depend on the mine's costs between now and then, and on  
18 potentially being able to sell the coal in the metallurgical coal market.

19 Q. Before addressing Mr. Kollen's assertion concerning the reasonableness of the cost  
20 of coal under the Peabody contract for Mitchell, is there any other specific assertion  
21 by Mr. Kollen in his testimony that you believe to be inaccurate?

1 A. Yes. At page 11, lines 12 through 15, he asserts that the AEP projections,  
2 comprising the base case for measuring "savings" as compared to the Company  
3 continuing to take coal from SOCCO's Martinka mine, ignored the value of CAAA  
4 emissions allowance credits that could be obtained through the third quarter of 1999.  
5 This is not true. The analyses did take this into account.

6 Q. Would you please now address the Kollen assertion that the Agreement coal prices  
7 are above market prices or contract prices that do not include a premium to recover  
8 the Martinka costs.

9 A. Yes. First, I would note again that Mr. Kollen has absolutely no expertise upon  
10 which to base opinions about coal market prices. Secondly, I believe that I have cast  
11 serious doubt about whether he has made any case for his "premium" theory.  
12 However, there are a number of additional facts available to all parties to this case  
13 to be used to rebut his "above market" assertion.

14 Q. What facts are you referring to?

15 A. All the parties to this case, including the IEC, were parties to OPCO's PUCO Case  
16 No. 92-790-EL-ECP. In order to develop fuel price forecasts for that case, as well  
17 as to have actual coal contract bids for fuel switching Gavin or other OPCO plants  
18 to 1.2 pound SO<sub>2</sub> per million Btu low-sulfur coal, the Company conducted a massive  
19 bid solicitation in early 1991. Several hundred bid packages were sent out and 800  
20 bids were received from more than 100 coal companies. In my prefiled testimony in  
21 the 92-790-EL-ECP case, I reported that there were *"still 16 bids open for low-sulfur*

1       *(1.2 lb./MMBtu) eastern coal for use at either Gavin plant or any other AEP plant to*  
2       *fuel switch to this type of coal. These bids represent[ed] approximately 11 million tons*  
3       *per year of available contract supply."* This was during the time that the Company was  
4       evaluating the offers to buy Martinka and to provide a replacement long-term  
5       contract. Therefore, the Company had absolutely no need to conduct an additional  
6       bid solicitation with which to evaluate the reasonableness of Peabody, Arch and  
7       Murray contract prices.

8       Q.     Would you please provide the details?

9       A.     The 16 bids I just referred to offered coal of an appropriate quality for the Mitchell  
10       plant and equivalent to the quality of coal offered by the three Martinka bidders.  
11       Furthermore, the weighted average delivered price to Gavin plant as of July 1, 1992  
12       for the lowest priced bids was 131.32¢/MBtu. These bids were for contract lengths  
13       of 10 years, extendable at the buyer's option up to 15 years.

14       Q.     Where is this price level reflected in your Case No. 92-790-EL-ECP testimony?

15       A.     On Exhibit PWD-5, the Gavin projected delivered fuel costs for the low-sulfur  
16       eastern coal does not start until 1995 (153¢/MBtu). However, the workpapers  
17       supporting that Exhibit were reviewed by the IEC and the PUCO Staff and they show  
18       the delivered contract price, based on the open bids, to be 131.32¢/MBtu as of July  
19       1, 1992. The PUCO Staff and the IEC also reviewed the bid spreadsheet used to  
20       develop this weighted average (with the supplier names and origin points blanked  
21       out). The PUCO Staff and the IEC also reviewed copies of the bids themselves (that

1 to the Gavin bid price delivered to Mitchell to follow the auditor's recommendation.  
2 When 1.5¢/MBtu is added to 142.8¢/MBtu, the comparison market price at Mitchell  
3 is 144.3¢/MBtu in July 1, 1992 dollars.

4 Q. What is the second factor that must be considered?

5 A. The Gavin bids are for 10 years, extendable to 15 years as I previously stated. As  
6 everyone agrees that compliance quality coal prices will be rising in the future with  
7 the increased demand from Acid Rain Compliance, coal suppliers demand a  
8 somewhat higher initial base price for a longer-term contract. An increase of only  
9 2 to 4% of the 144.3¢/MBtu market price delivered to Mitchell for 10-year  
10 (extendable to 15-year) contracts would take the delivered market price up to the  
11 147.2 to 150.0¢/MBtu delivered price range as compared to the 20-year (extendable  
12 to 25-year) Peabody contract delivered price range of 147.8 to 150.3 for the various  
13 quality and origin point coals.

14 Q. Do you have any other support for the Peabody contract price being at a reasonable  
15 market price level consistent with what the Company could get the coal for on the  
16 market without the purchase of Martinka and related assets?

17 A. Yes, this year's Management/Performance Auditor for the PUCO, Mr. Glenn  
18 Wattley of Arthur D. Little, opined on the witness stand (Tr. pages II-60 to II-62)  
19 that the Company had knowledge of what the market price was for the Peabody  
20 contract coal and that the Company's analysis was a reasonable assessment. He  
21 further testified that based on information that he had seen from his consulting work,



1 he was comfortable with the Company's market price based on his understanding of  
2 what competitive prices would be to the Mitchell plant.

3 Q. Would you please summarize your conclusions regarding Mr. Kollen's assertions?

4 A. The price that OPCO is paying to Peabody under the coal contract for Mitchell plant  
5 is reasonable in comparison to the delivered price of similar quality coal otherwise  
6 available to OPCO.

7 There is no "premium" included in the price of that coal associated with the  
8 Company's disposition of Martinka Division assets. Therefore, there should not be  
9 any direct disallowance of the coal costs paid by the Company under the Peabody  
10 contract. Nor should there be any indirect disallowance through any of the  
11 "regulatory options" recommended by Mr. Kollen.

12 Q. Does that conclude your rebuttal testimony?

13 A. Yes.

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OPC EY.4

PUBLIC UTILITIES COMMISSION OF OHIO

In the Matter of the Regulation )  
of the Electric Fuel Component )  
Contained Within the Rate )  
Schedules of the Ohio Power )  
Company and Related Matters )

Case No. 93-01-EL-EFC

TESTIMONY OF CHARLES A. OBERLIN

OHIO POWER COMPANY

OHIO POWER COMPANY

INDEX TO TESTIMONY OF

Charles A. Oberlin

PUCO Case No. 93-01-EL-EFC

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OHIO POWER COMPANY

TESTIMONY OF CHARLES A. OBERLIN  
PUCO Case No. 93-01-EL-EFC

1 Q. Will you state your name, business address and position?

2 A. My name is Charles A. Oberlin and my business address is 301  
3 Cleveland Avenue, S.W., P.O. Box 24400, Canton, Ohio 44701-4400. I am  
4 Rates & Tariffs Supervisor in the Rates and Tariffs Department of Ohio  
5 Power Company.

6 Q. Would you please state your educational and professional  
7 background?

8 A. In 1973 I received a diploma in Accounting from Hammel-Actual  
9 Business College. Shortly thereafter, I joined Ohio Power Company as a  
10 Clerk in the Classification & Accounts Payable Section of the Accounting  
11 Department. I was transferred to the Payroll Section in 1976 and to the  
12 Electric Plant Section in 1977. In 1979, I was promoted to Associate  
13 Staff Accountant in the Electric Plant Section of the General Office  
14 Accounting Department. In 1981, I was promoted to Property Records  
15 Supervisor. I transferred to the Rates & Tariffs Department in 1983 as  
16 a Rate Analyst Sr. In 1989, I was promoted to my present position. In  
17 January, 1989, I received a Bachelor of Science Degree in Accounting  
18 from the College of Business Administration at the University of Akron,  
19 graduating summa cum laude. I am a member of Beta Gamma Sigma, the  
20 national honor fraternity for business students. In addition, I passed  
21 the May, 1991 CPA examination.

22 Q. Have you previously testified in an EFC case before this  
23 Commission?

24 A. Yes, in Case Nos. 88-101-EL-EFC, 89-101-EL-EFC, 90-01-EL-EFC,  
25 90-101-EL-EFC, 91-01-EL-EFC, 91-101-EL-EFC, 92-01-EL-EFC and  
26 92-101-EL-EFC.

BASE PERIOD

Q. What is the base period for the subject case?

A. The base period is December 1, 1992 to May 31, 1993, inclusive.

CURRENT PERIOD

Q. What is the current period for the subject case?

A. The current period is June 1, 1993 to November 30, 1993, inclusive.

FISCAL, AUDIT & ANNUAL SUMMARY REPORT PERIOD

Q. What is the fiscal, audit and annual summary report period for the subject case?

A. The fiscal, audit and annual summary report period is December 1, 1991 to November 30, 1992, inclusive.

Q. Was the Annual Summary Fuel Adjustment Report docketed January 21, 1993 prepared under your supervision?

A. Yes.

Q. Were Volumes I and II of the Company's 30-day Data Submission docketed February 11, 1993 also prepared under your supervision?

A. Yes.

INVENTORY ADJUSTMENTS

Q. What inventory adjustments did the Company make during the audit period?

A. The Company had inventory adjustments in December, 1991 and August, 1992 which resulted in a debit of \$7,920,310 to fuel expense. The ER-12-A, attached as CAO Exhibit No. 1, shows a breakdown of inventory adjustments by generating station.

Q. What was the cost of coal consumed for electric generation during the audit period?

1 A. The cost of coal consumed by Ohio Power Company was \$694,650,671.

2 Q. What percentage of the cost of coal consumed do the inventory  
3 adjustments represent?

4 A. The inventory adjustments are one and fourteen one-hundredths of  
5 one percent (1.14%) of the cost of coal consumed.

6 STIPULATION & RECOMMENDATION

7 Q. How does the Stipulation & Recommendation approved by the  
8 Commission in Case No. 92-01-EL-EFC (herein known as the Stipulation)  
9 affect the calculation of the EFC rate in this case?

10 A. The Stipulation provides, in part, that "for calculating Ohio  
11 Power's EFC rate for all coal burned at the Gavin, Muskingum, Mitchell  
12 and Cardinal (Units 1 and 2) plants for the three-year period from  
13 December 1, 1991 to November 30, 1994, Ohio Power shall use the  
14 predetermined price of 164¢/MMBtu."

15 Thus, the proposed fuel component, FC, has been forecasted using  
16 the predetermined price of 164¢/MMBtu for projected coal  
17 consumption during the base period for those four generating stations.

18 In addition, the reconciliation adjustment proposed in this case  
19 includes a "Commission Ordered Adjustment" in the amount of \$1,465,757.00  
20 to reflect the EFC jurisdictional portion of repricing coal burned at  
21 the four generating plants during the audit year, December, 1991 through  
22 November 30, 1992.

23 Q. Why are you including the effects of the Stipulation for the entire  
24 audit year?

25 A. Normally, I would propose an adjustment pertaining to the six-month  
26 period used to calculate the current reconciliation adjustment, June 1,

1 1992 through November 30, 1992. However, since this is the first  
2 adjustment made on an actual basis since the Stipulation was approved by  
3 the Commission on November 25, 1992, an additional adjustment is  
4 required for the first six-month reconciliation period, December 1, 1991  
5 through May 31, 1992, the reconciliation period in Case No.  
6 92-101-EL-EFC.

7 Q. Have you read the financial/performance auditor's report in this  
8 proceeding?

9 A. Yes.

10 Q. Do you concur with the auditor's recommendation on page I-3 of the  
11 report to refund \$28,856 resulting from the adoption of an alternative  
12 methodology in pricing Ohio Power-generated off-system sales?

13 A. Yes. The auditor's recommendation is reasonable and I am not  
14 opposed to the recommended refund.

15 Q. How do you propose to refund the \$28,856?

16 A. I propose to include a credit in the amount of \$28,856 as an  
17 additional Commission-ordered adjustment in the calculation of the  
18 reconciliation adjustment.

19 TIDD PFBC DEMONSTRATION PROJECT - TEST GENERATION

20 Q. Has the Tidd PFBC Demonstration Project generated any test energy  
21 during the period June 1, 1992 through November 30, 1992, the RA period  
22 in this proceeding?

23 A. Yes. The Tidd PFBC Plant net generation amounted to 61,916,000 kwh  
24 of energy during the period June 1, 1992 through November 30, 1992.

25 Q. How did you treat this generation for EFC purposes?

26 A. In accordance with the Commission's rules and past precedents, I

1 excluded test generation and its associated costs from includable energy  
2 and includable costs. This is done since test generation costs become a  
3 component of plant operation costs, and are recoverable through the OCRD  
4 component.

5 Since kwh sales to EFC customers include sales attributable to test  
6 generation, EFC revenues likewise reflect sales of test energy. I  
7 deducted the metered level of test generation from these sales in order  
8 to restate actual EFC revenues for purposes of calculating the  
9 reconciliation adjustment, as shown on CAO Exhibit No. 2, page 2 of 2.  
10 The fuel costs collected in the EFC revenues are credited against actual  
11 Tidd fuel costs. Thus, the amount to be collected through the OCRD  
12 component has been reduced by the fuel revenue collected from sales of  
13 test generation.

14 It should be noted that, in order to accurately calculate the ratio  
15 of Metered KWH to corresponding Generation KWH (Rm/g), I calculated the  
16 12-month rolling average of losses ratio by including test generation.  
17 This loss ratio was then applied to net kwh generated and purchased  
18 excluding test generation (adjusted to filed tariffs) to determine  
19 Metered KWH on ER-15-S (CAO Exhibit No. 2) and Metered Level KWH (Em) on  
20 ER-16-S (CAO Exhibit No. 3).

21 Q. Is this the same method used in Case No. 92-101-EL-EFC and approved  
22 by the Commission?

23 A. Yes, it is.

#### 24 EFC RATE CALCULATION

25 Q. Have you made any changes in the method of calculating the EFC rate  
26 since the Company's last fuel proceeding?



1 A. Yes, the EFC rate in this proceeding is calculated pursuant to the  
2 Stipulation approved by the Commission in Case No. 92-01-EL-EFC.

3 Q. Did you include any actual data in your EFC rate calculation?

4 A. Yes. I used all forecasted data to calculate the EFC rate in the  
5 30-day data submission. Actual data is now available for the month of  
6 December, 1992, and has been included in the EFC rate calculations. The  
7 predetermined price of 164¢/MMBtu has been used to price coal  
8 burned at the Gavin, Muskingum, Mitchell and Cardinal (Units 1 and 2)  
9 plants.

10 Q. Have you revised the purchased power and sales for resale data to  
11 include the actual data for the month of December, 1992?

12 A. Yes. Form ER-17-S, CAO Exhibit No. 4, has been revised to include  
13 one month of actual data, December, 1992, and five months of projected  
14 data, January 1, 1993 to May 31, 1993, inclusive.

15 FC COMPONENT

16 Q. What is the fuel component of the EFC rate in the subject case?

17 A. As shown on ER-18-S, CAO Exhibit No. 5, the rate is 1.639980¢/kwh.  
18 This is based on one month of actual data, December, 1992, and five  
19 months of projected data, January 1, 1992 to May 31, 1992, inclusive,  
20 and calculated in accordance with the Stipulation.

21 OCRD COMPONENT

22 Q. What is the Ohio coal research and development (OCRD) component of  
23 the EFC rate?

24 A. I propose to continue to include an OCRD component which is the  
25 lesser of the actual rate or one mill per kilowatt-hour until the  
26 project costs are recovered.

1 Details of the calculation of the OCRD component are shown on CAO  
2 Exhibit No. 6, page 1 of 3.

3 The cumulative total of expenditures, loans, grants, customer  
4 collections, Company absorbed costs and costs to be refunded for the  
5 period June 1, 1992 through November 30, 1992, are shown on CAO Exhibit  
6 No. 6, page 3 of 3

7 RA COMPONENT

8 Q. Would you discuss the reconciliation adjustment, RA rate, in the  
9 EFC rate included in your testimony?

10 A. Yes. I have included CAO Exhibit No. 7 which summarizes the  
11 treatment of amounts associated with the Stipulation which I discussed  
12 earlier. Details of the RA calculation are shown on ER-15-S, CAO  
13 Exhibit No. 2. The RA consists of the regular reconciliation adjustment  
14 rate (RA') of 0.048134¢/kwh for an underrecovery of EFC revenues,  
15 and an RA" rate of 0.012569¢/kwh for the Commission ordered  
16 adjustments.

17 The recommended RA rate in this proceeding is the combination of  
18 RA' and RA", which is 0.060703¢/kwh.

19 Q. In Case No. 92-01-EL-EFC, the Commission authorized Ohio Power to  
20 continue in effect its existing EFC rate until the Commission set a new  
21 EFC rate for the period June through November 1992. Have you included  
22 an adjustment to reconcile the difference between the interim and  
23 adopted EFC rates as stated by the Commission?

24 A. As a normal course of events, the reconciliation adjustment is  
25 designed to either collect or refund the difference between actual net  
26 fuel costs incurred and actual net revenues billed, as the case may be.

1 Thus, since the reconciliation period in this proceeding covers the  
2 period June, 1992 through November, 1992, no other specific adjustment  
3 for the difference between the interim and adopted EFC rates is  
4 required.

5 Q. Similarly, the Commission found that the difference between the  
6 stipulated predetermined price and the fuel component reflected in the  
7 Company's proposed EFC rate in Case No. 92-101-EL-EFC be reconciled in  
8 future EFC rates. How will this be accomplished?

9 A. Again, as a normal course of events, this difference would  
10 automatically be adjusted in determining the reconciliation adjustment  
11 applicable to the period December 1992 through May 1993, as part of the  
12 EFC rate which will supercede the rate established in this proceeding.  
13 Thus, no specific adjustment is required.

14 SLA COMPONENT

15 Q. Have you determined a system loss adjustment, SLA rate, to be  
16 included in the EFC rate to be charged during the current period, June  
17 1, 1993 to November 30, 1993, inclusive?

18 A. Yes, I have calculated an SLA rate of (0.045728)¢/kwh.

19 Q. How was the SLA rate calculated?

20 A. I determined the base period loss cost amount as shown on ER-16-S,  
21 CAO Exhibit No. 3. Metered kwh's shown in Column (3) on Form ER-16-S  
22 were calculated using the 12-month rolling average of losses method,  
23 modified for test generation as in previous proceedings. The system  
24 loss costs/kwh in base rates resulting from Case No. 85-726-EL-AIR was  
25 used in calculating incremental losses. The derivation of this loss  
26 rate was shown on PEB Exhibit VI in Case No. 87-01-EL-EFC. The

1 efficiency incentive factors used to calculate the incentive dollar  
2 amounts are found on the monthly ER-14 forms in the 30-day data  
3 submission.

4 RECOMMENDED EFC RATE

5 Q. What EFC rate do you recommend be charged to the retail customers  
6 of Ohio Power Company for the current period June 1, 1993 to November  
7 30, 1993, inclusive?

8 A. I recommend an EFC rate of 1.754955¢/kwh to become effective  
9 with the June, 1993 Cycle 1 billing on May 28, 1993. The recommended  
10 EFC rate is calculated by adding the fuel component rate of 1.639980¢/kwh  
11 to the Ohio coal research and development rate of 0.100000¢/kwh;  
12 the fuel component reconciliation rate of 0.060703¢/kwh; and the  
13 system loss adjustment rate of (0.045728)¢/kwh.

14 Q. Did you provide a summary of EFC components and measure of cost  
15 effectiveness quantities pertinent to this case?

16 A. Yes, in CAO Exhibit No. 8, page 1 of 2, I have shown the numerator  
17 and denominator used in calculating each of the EFC components and, on  
18 page 2 of 2, I have listed the measure of cost effectiveness quantities  
19 for the period June 1, 1992 through November 30, 1992.

20 Q. Does this conclude your testimony?

21 A. Yes.  
22  
23  
24  
25  
26

E F C R A T E

Page 1

ELECTRIC UTILITY ANNUAL REPORT FOR THE YEAR FROM 12/01/91 TO 11/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009

## SYSTEM ADJUSTMENTS SUMMARY FOR FISCAL YEAR BY PLANT AND FOSSIL FUEL TYPE\*

PLANT NO.	FUEL TYPE	PHYSICAL INVENTORY ADJUSTMENTS			OTHER ADJUSTMENTS**		
		U.M. TOTAL MMBTU	\$ COST	S/U.M.	U.M. TOTAL MMBTU	\$ COST	S/U.M.
020039	1	640,999	1,134,319	176.961119			
020036	1	783,505	1,357,187	173.219954			
020036	1	1,336,461	2,281,184	170.688408			
021037	1	132,561	206,245	155.584976			
021037	1	397,792	646,083	162.417293			
020034	1	801,374	1,279,949	159.719307			
021036	1	119,431	193,559	162.067637			
021036	1	67,230	106,752	158.786256			
021035	1	368,739	715,032	193.912768			

## SYSTEM TOTALS BY FOSSIL FUEL TYPES

1						
2						
3						
4						
5						
6						
SYSTEM ALL FUEL	MMBTU	\$ COST	S/MMBTU	MMBTU	\$ COST	S/MMBTU
	4,648,092	7,920,310	170.399166			

\*Subtotal by Plant. \*\*Fuel not used to generate electricity.

This Sheet Filed Pursuant to the Public  
 Utilities Commission of Ohio  
 Order No. 86-876-EL-ORD Date 02/20/87

BY: C. A. OBERLIN

## RECONCILIATION ADJUSTMENT

## ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM

12/01/92 to 05/31/93

Company Name

OHIO POWER COMPANY

Code 020009

## ACTUAL FUEL COSTS INCURRED, ACTUAL EFC REVENUES BILLED SUMMARY

Month	Actual Fuel Costs Incurred			Actual EFC Revenues Billed		
	Actual Fuel \$ Cost Incrd.*	Metered KWH**	Generation KWH***	Metered EFC Sales KWH****	EFC Rate c/KWH	Actual EFC Revenues \$
Jun-92	29,474,684.64	1,660,165,900	1,769,282,883	1,708,212,027	1.73065	29,563,171.44
Jul-92	32,356,401.60	1,821,538,457	1,946,972,137	1,734,558,003	1.73065	30,019,128.12
Aug-92	33,451,966.99	1,776,582,961	1,898,582,046	1,773,650,836	1.73065	30,695,688.19
Sep-92	29,197,596.10	1,687,571,044	1,800,431,065	1,787,453,247	1.73065	30,934,559.61
Oct-92	29,787,178.00	1,759,223,442	1,880,625,330	1,703,479,702	1.73065	29,481,271.46
Nov-92	30,923,546.79	1,807,125,187	1,929,223,834	1,695,758,815	1.73065	29,347,649.93
Total	185,191,374.12	10,512,206,991	11,225,117,295	10,403,112,631	1.73065	180,041,468.75
Ratio, Ra/g, of Metered KWH to Corresponding Gen. KWH [RE: Rule 4901:1-11-06(D)(3)(a),OAC]					0.93649	
One minus System Loss Fraction, if used (B.P. Wtd. Avg):					N.A.	
ACTUAL NET FUEL COSTS INCURRED dur. B.P. (Revenue Level)					\$ 173,429,869.95	*****
OCRDC \$ which were to be recovered by the utility or (credited) to the consumer for the billing period:					Incl. Cost Level	Revenue Level
					\$ 11,935,321.86	\$ 11,009,833.13
RA \$ which were to be recovered by the utility or (credited) to the consumer for the billing period:					\$ 3,145,943.99	\$ 2,902,001.82
SLA \$ which were to be recovered by the utility or (credited) to the consumer for the billing period:					\$ (1,931,725.45)	\$ (1,797,486.71)
Actual net revenues billed during the base period:						\$ 167,927,120.51

## RECONCILIATION ADJUSTMENT RATE DETERMINATION [RE: Rule 4901:1-11-06(D)(3)(c),OAC]

RECONCILIATION ADJUSTMENT AMOUNT (NUMERATOR) ITEMIZATION		
Actual net fuel costs incurred:		\$ 173,429,869.95
Actual net revenues billed:		\$ 167,927,120.51
Inverse of Ra/g [RE: Rule 4901:1-11-06(D)(3)(c),OAC]:	1.067817	\$ 5,502,749.44
Amount of actual fuel costs to be recovered by utility or (credited) to consumer at the includable cost level:	C*ra	\$ 5,875,929.40

## RECONCILIATION ADJUSTMENT KILOWATT-HOURS (DENOMINATOR)

Includable Net KWH Generated & Purchased [RE: Rule 4901:1-11-04(H),OAC;ER-18-S.F.C.]:	EIB	12,207,518,149 KWH
RECONCILIATION FOR (OVER)/UNDERRECOVERY OF EFC RATE REVENUES:	C*ra/EIB=RA'	0.048134 c/KWH

## RECONCILIATION ADJUSTMENT RATE DETERMINATION [RE: Rule 4901:1-11-06(C),OAC]

PUCO ordered util. recovery or (credit) to consumers amount:	C*ra	1,534,347.32
Commission Ordered Reconciliation Rate (LCD):	C*ra/EIB=RA'	0.012569 c/KWH
RECONCILIATION ADJUSTMENT (RA) NET [RE: Rule 4901:1-11-06(B),OAC]:	(C*ra+C*ra)/EIB=RA	0.060703 c/KWH

\*Actual fuel component costs incurred attributable to EFC ratepayers. [04(B)(2)] monthly, less exclusion exemption(s) [04(F),(6)]: ER-11: Etee x EFC Rate.

\*\*List hereon metered level KWH, (01)(Q), which have been determined as: (generation level KWH) x (1-fraction of system losses experienced).

\*\*\*List hereon generation level KWH, (01)(P), corresponding to those metered level KWH, (01)(Q), utilized in RA calculation [RE: Rule 4901:1-11-06(D)(3)(a),OAC].

\*\*\*\*List hereon the number of KWH sold at the EFC Rate.

\*\*\*\*\*Net fuel costs incurred equals fuel costs incurred less system loss costs.

RA = Reconciliation Adjustment, RA = RA' + RA'

SLA = System Loss Adjustment

This Sheet Filed Pursuant to the Public

Utilities Commission of Ohio

Order No. 86-876-EL-ORD Date 02/20/87

PUCO Form ER-15-S

By: C. A. Oberlin  
Title: Rates and Tariffs  
Supervisor

OHIO POWER COMPANY  
Case No. 93-01-EL-EFC

ACTUAL FUEL COSTS INCURRED, ACTUAL EFC REVENUES BILLED SUMMARY

ACTUAL FUEL COSTS INCURRED				ACTUAL EFC REVENUES BILLED		
MONTH	ACTUAL FUEL \$ COST INCURRED	METERED KWH	GENERATION KWH	METERED EFC SALES KWH	EFC RATE C/KWH	ACTUAL EFC REVENUES \$
	(1)	(2)	(3)	(4)	(5)	(6)
Jun-92	29,474,684.64	1,660,165,900	1,769,282,883	1,708,212,027	1.73065	29,563,171.44
Jul-92	32,356,401.60	1,821,538,457	1,946,972,137	1,734,558,005	1.73065	30,019,128.12
Aug-92	33,451,966.99	1,776,582,961	1,898,582,046	1,773,650,836	1.73065	30,695,688.19
Sep-92	29,197,596.10	1,687,571,044	1,800,431,065	1,787,453,247	1.73065	30,934,559.61
Oct-92	29,787,178.00	1,759,223,442	1,880,625,330	1,703,479,702	1.73065	29,481,271.46
Nov-92	30,923,546.79	1,807,125,187	1,929,223,834	1,695,758,815	1.73065	29,347,649.93
TOTAL	185,191,374.12	10,512,206,991	11,225,117,295	10,403,112,631		180,041,468.75

EXCLUSION OF TEST ENERGY FROM JURISDICTIONAL EFC SALES (KWH)

MONTH	TEST GENERATION KWH	LOSS ADJ. FACT. 12 MO ROLLING AVG	METER LEVEL TEST GENERATION KWH	METERED EFC SALES KWH	NET. EFC SALES EXCLUDING MET. TEST ENERGY KWH
	(7)	(8)	(9)	(10)	(11)
Jun-92	22,187,000	0.938327	20,818,661	1,729,030,688	1,708,212,027
Jul-92	9,735,000	0.935575	9,107,823	1,743,665,828	1,734,558,005
Aug-92	17,464,000	0.935742	16,341,798	1,789,992,634	1,773,650,836
Sep-92	1,728,000	0.937315	1,619,680	1,789,072,927	1,787,453,247
Oct-92	2,370,000	0.935446	2,217,007	1,705,696,709	1,703,479,702
Nov-92	8,432,000	0.936711	7,898,347	1,703,657,162	1,695,758,815
TOTAL	61,916,000		58,003,317	10,461,115,948	10,403,112,631

ER-15-S ATTACHMENT

## SYSTEM LOSS ADJUSTMENT

ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM

12/01/92 to 05/31/93

Company Name

OHIO POWER COMPANYCode 020009

## INCREMENTAL SYSTEM LOSS COST/KWH DETERMINATION

(1) Month	Actual System Loss Costs/KWH					
	(2) Monthly Cost To Energy Ratio CI/EI*	(3) Metered Level KWH** Em	(4) Generation KWH*** (EI-Etee)	(5) Gen. KWH- Metered KWH For Mo. (4)-(3)	(6) Actual System Loss Costs/KWH	(7) Sys. Loss Costs/KWH In Base Rates Outside EPC
Jun-92	1.665911	1,660,165,900	1,769,282,883	109,116,983	0.109495	0.160395
Jul-92	1.661883	1,821,538,457	1,946,972,137	125,433,680	0.114440	0.160395
Aug-92	1.761965	1,776,582,961	1,898,582,046	121,999,085	0.120994	0.160395
Sep-92	1.621700	1,687,571,044	1,800,431,065	112,860,021	0.108455	0.160395
Oct-92	1.583898	1,759,223,442	1,880,625,330	121,401,888	0.109303	0.160395
Nov-92	1.602901	1,807,125,187	1,929,223,834	122,098,647	0.108300	0.160395

Column (6) = (CI/EI) [(EI - Etee) - Em]/Em = (2) [(5)/(3)]

## INCREMENTAL SYSTEM LOSS COST UTIL. RECOVERY OR (CONSUMER CREDIT) AMOUNT DETERMINATION

(1) Month	(8) Incremental System Loss Costs/KWH +(-) (8) = (6) - (7)	(9) Actual Net KWH Gen. & Purch. ****	(10) Mo. Max. Incr. SLC \$ Amount	(11) Efficiency Incentive Factor	Incentive \$ Amount	
					(12) Fcrl x Max. ISLC (\$ Amt.)	(13) Gccf x Max. ISLC (\$ Amt.)
Jun-92	(0.050900)	1,772,558,027	(902,232.04)	0.99998		(902,214.00)
Jul-92	(0.045955)	2,074,241,031	(953,217.47)	0.73605		(701,615.72)
Aug-92	(0.039401)	1,985,424,115	(782,276.96)	0.04995		(39,074.73)
Sep-92	(0.051940)	1,881,895,367	(977,456.45)	0.15193		(148,506.96)
Oct-92	(0.051092)	1,881,886,715	(961,493.56)	0.13788		(132,570.73)
Nov-92	(0.052095)	1,930,303,491	(1,005,591.60)	0.50704		(509,875.16)
BASE PERIOD SYSTEM LOSS COST UTIL. RECOVERY OR (CONSUMER CREDIT) AMOUNT:				(1)		(2,433,855.30)
				(5,582,268.08)		

## SYSTEM LOSS ADJUSTMENT RATE DETERMINATION (RE: Rule 4901:1-11-06(C)(4), OAC)

Incremental System Loss Cost to be Recovered by Utility when positive, or (Credited) to Consumers when negative:	\$ (5,582,268.08)
Includable Net KWH Generated & Purchased (RE: 4901:1-11-04(H), OAC; ER-18-S. Fuel Component):	12,207,518,149 KWH
SYSTEM LOSS ADJUSTMENT RATE:	(0.045728) c/KWH

\*Ratio of actual monthly fuel component cost incurred to monthly includable net kilowatt-hours generated and purchased RE: Rules 4901:1-11-04(B)(2) and -04(H), OAC; ER-10 Actual Data].

\*\*List hereon metered level KWH, Rule 4901:1-11-01(Q), OAC.

\*\*\*List hereon generation level KWH, Rule 4901:1-11-01(P), OAC corresponding to those metered level KWH, Rule 4901:1-11-01(Q), OAC [RE: Rule 4901:1-11-04(F), (G), (H)(2), OAC; Bottom ER-11 actual].

\*\*\*\*List actual includable net KWH's generated and purchased calculated in accordance with Rule 4901:1-11-04(H), OAC, [RE: ER-10 actual data].

(1) Amount to be refunded or collected by the utility pursuant to Commission orders.

This Sheet Filed Pursuant to the Public  
Utilities Commission of Ohio  
Order No. 86-876-EL-ORD Date 02/20/87  
PUCO Form ER-16-S

By: C. A. Oberlin  
Title: Rates and Tariffs  
Supervisor



## ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM 12/01/92 to 05/31/93

Company Name

OHIO POWER COMPANY

Code 020009

## PURCHASED POWER SUMMARY (ACTUAL &amp; ESTIMATED) FOR BASE PERIOD FROM

12/01/92 to 05/31/93

Pwr. Code	Amount Purchased (KWH)	Cost of Energy Purchased			
		Demand &/or Capacity Cost	Energy Cost	Fuel Cost	Total Costs
Total	2,041,825.000			33,609,513.00	

Incl. Fuel \$33,609,513.00 + Incl. Fuel Rel: Demand 0.00 + Net Energy 144,035.00 =  
 Total Incl. Purchased Energy Cost: \$33,753,548.00 (RE: Rule 4901: 1-11-04(D)(2),OAC)

## SALES FOR RESALE SUMMARY FOR BASE PERIOD

12/01/92 to 05/31/93

Pwr. Code	Corresponding Energy Sold (KWH)		Charge for Energy Sold (\$)		
	Generation Level	Metered Level	Demand &/or Capacity Charge	Energy Charge	Fuel Charge
Total	9,622,139.000				153,565,907.00

Excl. Fuel Charge: \$153,565,907.00 + Excl. Energy Cost of Economic Power (RE: Rule 4901:1-11-04  
 (E)(2),OAC) 0.00 = Total Excludable Sales for Resale Charges: \$153,565,907.00

## ULTIMATE CONSUMERS SALES SUMMARY FOR BASE PERIOD FROM

12/01/92 to 05/31/93

Pwr. Code	Corresponding Energy Sold		Charge for Energy Sold (\$)		
	Generation Level KWH*	Metered Sales KWH*	Demand &/or Capacity Chg.	Energy Charge	Fuel Charge
(A) Non-Juris. Ultimate Consumers Exclusion (RE: Rule 4901:1-11-04(F),(H)(2),OAC)					
Total					
(B) Special Contract Ultimate Consumers Exclusion (RE: Rule 4901:1-11-04(G),(H)(2),OAC)					
Total					
(C) Exempt From Exclusion (RE: Rule 4901:1-11-04(F),(G),(H)(2),OAC) Etee,Cee					
Total					

\*Show subtotals for individual Power Codes and totals for Category.

This Sheet Filed Pursuant to the Public  
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 Order No. 86-876-EL-ORD Date 02/20/87  
 PUCO Form ER-17-S

By: C. A. Oberlin  
 Title: Rates and Tariffs  
 Supervisor

**ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM**  
**Company Name** OHIO POWER COMPANY  
**ENERGY BALANCE SHEET (ACTUAL & ESTIMATED)**

12/01/92 to 05/31/93  
 Code 020009

ENERGY SOURCES & EXPENSE	Fuel Only Cost (\$)	Generation Level KWH	Fuel Only c/KWH
Fossil System Net Generation			
Nuclear System Net Generation			
Other System Net Generation			
Test Generation			
Purchased Energy			
Net Non-Monetary Interchange	////////////////		////////////////
Total Energy Available:			

ENERGY DISPOSITION & REVENUES	Fuel Only Charge (\$)	Metered Sales Level KWH	Fuel Only c/KWH
Sales to Ultimate Consumers			
Sales for Resale			
Total Sales:			
	Gen. Level KWH	EFC Rule Sales (Metered KWH)	
Company Used Energy		Juris. (14 & 18):	
Other Energy Disposed of or Lost		Non-Juris. (35):	
Total Energy Disposed:		Total	

**FUEL COMPONENT DETERMINATION**

CALCULATION OF FUEL COMPONENT	Includable Cost \$	Corr. Gen. Level KWH	Rate c/KWH
Actual From 12/01/92 to 12/31/92			
Includable: Fossil System Net Gen:\$;KWH	50,935,737.00	3,272,642,000	1.556410
Nuclear System Net Gen:\$;KWH	0.00	0	-
Other System Net Gen:\$;KWH	0.00	21,418,000	0.000000
Purchased Energy:\$;KWH	2,043,548.00	185,825,000	1.099716
Excludable: Sales for Resale:\$;KWH	11,364,907.00	761,139,000	1.493145
Ultimate Consumers Sales:			
Non-Jur. Ultimate Cons:\$;KWH	31,735.62	1,765,153	1.797896
Special Contract Jur:\$;KWH	8,244,753.00	643,462,698	1.281310
Estimated From 01/01/93 to 05/31/93			
Includable: Fossil System Net Gen:\$;KWH	317,787,000.00	20,054,000,000	1.584656
Nuclear System Net Gen:\$;KWH	0.00	0	-
Other System Net Gen:\$;KWH	0.00	72,000,000	0.000000
Purchased Energy:\$;KWH	31,710,000.00	1,856,000,000	1.708513
Excludable: Sales for Resale:\$;KWH	142,201,000.00	8,861,000,000	1.604796
Ultimate Consumers Sales:			
Non-Jur. Ultimate Cons:\$;KWH	0.00	0	-
Special Contract Jur:\$;KWH	40,433,000.00	2,987,000,000	1.353632
Fuel Component (FC)	200,200,889.38	12,207,518,149	1.639980

**EFC RATE DETERMINATION**

Fuel Component (FC) from above	1.639980
Ohio Coal Research and Development Component (OCRDC) from ER-19-S	0.100000
Fuel Component Reconciliation Rate (RA) from ER-15-S	0.060703
System Loss Adjustment (SLA) from ER-16-S	(0.045728)
EFC Rate Pursuant to Chapter 4901:1-11,OAC:**	1.754955

\*EFC Rate = Fuel Component (FC) +(-) Ohio Coal Research and Development Component (OCRDC)  
 +(-) Reconciliation Adj. (RA) +(-) System Loss Adj. (SLA).

\*\*EFC Rate Applicable to Prospective Billings Beginning 06/01/93

This Sheet Filed Pursuant to the Public  
 Utilities Commission of Ohio  
 Order No. 86-876-EL-ORD Date 02/20/87  
 PUOD Form ER-18-S

By: C. A. Oberlin  
 Title: Rates and Tariffs  
 Supervisor

4901:1-11-09

EFC RATE

Page 1 of 3

OHIO COAL RESEARCH AND DEVELOPMENT COMPONENT

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 12/01/92 TO 05/31/93

Company Name: Ohio Power Company Code: 020009

Project: Tidd Plant PFBC

Project Total Costs: \$209,328,000 (Estimated)

RECONCILIATION OF OHIO COAL RESEARCH AND DEVELOPMENT COSTS:

* Month	
Total Expenditure:	
Company Funds Spent:	
Loans:	
Loan Guarantee:	
Grant (State):	
Grant (Federal):	
Company Absorbed Costs:	
Cost To Be Refunded:	
Net (OCRDC) Costs:	

** Net Ohio Coal Research and Development Costs	\$	11,432,219.33	
Inverse Rm/g		1.067817	
Amount of Ohio Coal Research and Development Cost to be recovered by utility or (credited) to consumer at the includable cost level C'OCRD	\$	12,207,518.15	
Includable Net KWH Generated & Purchased (RE: Rule 4901:1-11-04(H)OAC)ER-18-S Eib		12,207,518,149	KWH
Ohio Research and Development (OCRD) Rate C'OCRD \$/Eib		0.001000	\$/KWH

- \* File Monthly
- \*\* File Semi-Annually

This Sheet Filed Pursuant to the Public Utilities Commission Of Ohio  
Order No. 86-876-EL-ORD Date 02/20/87

By: C. A. Oberlin  
Title: Rates and Tariffs Supervisor

ER-19-S  
ATTACHMENT

CUMULATIVE TOTAL

CUMULATIVE TOTAL

PERIOD

06/01/92 11/30/92

	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	SIX MONTH TOTAL
TOTAL EXPENDITURE:	1,213,592	1,198,452	2,895,440	875,123	798,878	1,721,646	8,703,131
COMPANY FUNDS SPENT:	1,213,592	1,198,452	2,895,440	875,123	798,878	1,721,646	8,703,131
LOANS:	(122,176)	(178,018)	(231,780)	(157,577)	(144,516)	(111,479)	(945,546)
LOAN GUARANTEE:	0	0	0	0	0	0	0
GRANT (STATE):	0	0	0	0	0	0	0
GRANT (FEDERAL):	0	0	0	0	0	0	0
CUSTOMER COLLECTIONS:	(1,671,258)	(1,695,470)	(1,733,651)	(1,747,110)	(1,664,627)	(2,151,680)	(10,663,796)
COMPANY ABSORBED COSTS:	(579,842)	(675,036)	930,009	(1,029,564)	(1,010,265)	(541,513)	(2,906,211)
COST TO BE REFUNDED:	0	0	0	0	0	0	0
NET (OCRDC) COSTS:	(579,842)	(675,036)	930,009	(1,029,564)	(1,010,265)	(541,513)	(2,906,211)

**ER-19-S**  
**ATTACHMENT**

## PUCO CASE NO. 93-01-EL-EFC

## SUMMARY OF COMMISSION ORDERED ADJUSTMENTS

COAL PRICE ADJUSTMENT TO REPRICE GAVIN, MITCHELL, MUSKINGUM, AND CARDINAL 1&2 GENERATION TO \$1.64/MMBTU FOR THE PERIOD 12-01-91 THROUGH 11-30-92	\$1,465,757.00	NOTE 1
ADJUSTMENT TO REFLECT ALTERNATIVE METHODOLOGY IN REPRICING OFF-SYSTEM SALES UNDER THE STIPULATION	(28,856.00)	NOTE 2
	-----	
	\$1,436,901.00	
INVERSE OF $R_m/g$	1.067817	
	-----	
C*ra -- NET ADJUSTMENT AT INCLUDABLE COST LEVEL	\$1,534,347.32	
	=====	

NOTE 1: ADJUSTMENT IN ACCORDANCE WITH STIPULATION APPROVED IN CASE NO. 92-01-EL-EFC

NOTE 2: ADJUSTMENT IN ACCORDANCE WITH RECOMMENDATION BY FINANCIAL AUDITOR  
(REFER TO FEBRUARY 1993 AUDIT REPORT, PAGE I-3)

PUCO Case No. 93-01-EL-EFC

Summary of EFC Components &  
Measure of Cost Effectiveness Quantities

EFC COMPONENTS

$$\begin{aligned} \text{FC} &= \frac{\$200,200,889.38}{12,207,518,149 \text{ kwh}} \times 100 = 1.639980\text{¢/kwh} \\ \text{OCD} &= \frac{\$12,207,518.15}{12,207,518,149 \text{ kwh}} \times 100 = 0.100000\text{¢/kwh} \\ \text{RA} &= \frac{\$7,410,276.72^*}{12,207,518,149 \text{ kwh}} \times 100 = 0.060703\text{¢/kwh} \\ \text{SLA} &= \frac{\$(5,582,268.08)}{12,207,518,149 \text{ kwh}} \times 100 = (0.045728)\text{¢/kwh} \\ \text{EFC} &= 1.754955\text{¢/kwh} \end{aligned}$$

* Regular Reconciliation Adjustment	\$5,875,929.40
Commission-ordered Adjustments	<u>1,534,347.32</u>
Total Reconciliation Adjustment	\$7,410,276.72

PUCO Case No. 93-01-EL-EFC

MCE

June 1992	1.096
July 1992	1.274
August 1992	2.397
September 1992	1.779
October 1992	1.821
November 1992	1.376

Total      $9.743 \div 6 = 1.624$  average



OPC Ex #5

Company Ex. \_\_\_\_\_

**BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO**

**CASE NO. 93-01-EL-EFC**

**SUBMITTED FEBRUARY 12, 1993**

**VOL. I OF II**

**DATA SUBMISSION FILED**

**PURSUANT OF SECTION 4909.191 (B)**

**OHIO REVISED CODE**

Ohio Power Company  
301 Cleveland Avenue S.W.  
P. O. Box 24400  
Canton, OH 44701-4400  
216 456 8173



February 12, 1993

Docketing Officer  
Public Utilities Commission of Ohio  
180 E. Broad Street  
Columbus, OH 43266-0573

Ohio Power Company  
PUCO Case No. 93-01-EL-EFC

Dear Docketing Officer:

Enclosed is Ohio Power Company's data submission filed pursuant to Section 4909.191(b), Ohio Revised Code. It consists of:

1. A summary of Ohio Power Company's fuel procurement policies and practices;
2. updated data in response to the Commission's Order of September 8, 1976, in PUCO Case No. 76-534-EL-FAC;
3. updated data in response to the Commission's Order of September 3, 1980, in PUCO Case No. 79-234-EL-FAC (Subfile A); and
4. ER forms for the period June, 1992 through November, 1992.

Very truly yours,

Charles A. Oberlin  
Rates & Tariffs Supervisor

CAO:vac

Enclosures

**SUMMARY  
of  
OHIO POWER COMPANY'S  
FUEL PROCUREMENT POLICIES & PRACTICES**

## Summary of Ohio Power's Fuel Procurement Policies and Practices

### Introduction

The Ohio Power Company is a subsidiary of the American Electric Power Company, Inc., and a part of the American Electric Power integrated electric utility system. The American Electric Power Service Corporation, another subsidiary of American Electric Power Company, Inc., provides a number of management services to the Ohio Power Company, one of which is fuel procurement.

The electric generating plants of Ohio Power Company are over 99 percent coal-fired. Petroleum products are also used to a relatively minor degree for start up and flame stabilization purposes in the coal fired stations.

During the 12 months ending November 30, 1992, the Ohio Power Company received approximately 17,471,087 tons of coal.

The generating facilities of the Power Company located in the State of Ohio received a total of approximately 13,556,248 tons of coal in the 12 months ending November 30, 1992; approximately 75 percent of the coal delivered was from mines located in Ohio. The average sulfur content of the coal delivered in the above-mentioned period to Ohio Plants of the Ohio Power Company approximated 3.15 percent by weight, or 5.46 pounds of sulfur dioxide per million BTU. Precise information about the Company's coal supplies has previously been filed with the Commission in the Company's monthly ER reports. Also, the ER reports have been made part of the record in previous cases before the PUCO and subsequent ER reports are part of this data submission.

In 1993, it is anticipated that 100% of the Gavin Plant's coal supplies will come from the State of Ohio. The forecast for this 12-month period is as follows:

<u>Supplier</u>	<u>Thousands of Tons</u>											
	<u>Jan</u>	<u>Feb</u>	<u>Mar</u>	<u>Apr</u>	<u>May</u>	<u>Jun</u>	<u>Jul</u>	<u>Aug</u>	<u>Sep</u>	<u>Oct</u>	<u>Nov</u>	<u>Dec</u>
Meigs	475	479	544	423	409	300	373	384	438	436	296	343
Marietta Coal Co.	46	-	46	46	46	46	46	46	46	46	46	40
Sands Hill Coal Co.	<u>55</u>	<u>55</u>	<u>55</u>	<u>55</u>	<u>55</u>	<u>55</u>	<u>85</u>	<u>85</u>	<u>85</u>	<u>85</u>	<u>85</u>	<u>85</u>
TOTAL	576	534	645	524	510	401	504	515	569	567	427	468

### General Policy

It is the procurement policy of the Ohio Power Company to acquire and use, subject to applicable environmental requirements, the most economical coal available in the quantities and qualities required. In making coal supply acquisitions, the Company's management uses aggressive and businesslike practices which will obtain at the lowest cost the most appropriate quality of coal to reduce to the minimum the overall cost of a unit of electricity to the consumer. Open competition is used and all sellers receive equal treatment. When negotiating on behalf of the Company, representatives of the management bargain for every reasonable advantage and use whatever skills and expertise are needed to insure adequate representation at the bargaining table. When all other factors are equal, price is the final determinate of the supplier selected.

It is Ohio Power's general policy to obtain approximately 80 to 85 percent of its total coal requirement from long-term contracts and affiliated mining operations. The balance of the requirements are purchased on the open market on a "spot basis". The portion of the total requirement that is not covered by long-term contracts and production from affiliated mining operations permits the Company to take care of swings in demand caused by generating plant outages, strikes, adverse weather and other reasons. The use of spot coal has enabled the Company to try new suppliers, experiment with different coals, and, from time to time, has permitted the Company to take advantage of "distress" sales.

It has also been Ohio Power's practice to construct power plants at or very near major coal reserves which, after full development, will permit the appropriate quality of coal to be obtained at minimum transportation cost. Whenever possible, the Company has solicited proposals on a competitive basis and made long-term contracts before plant construction was started.

#### Long-Term Contracts

During the review period, Ohio Power Company was a party to long-term contracts with the following coal suppliers: The Consolidation Coal Company, Donaldson Mine Company, Marietta Coal Company, Cravat Coal Company, M.M. Coal Company, Pittston Corporation, Ashland Coal, Inc., Electric Fuels Corporation and Peabody COALSLES Company. Occasionally Ohio Power Company also receives consignments of coal under various long-term contracts of affiliated American Electric Power Company, Inc. System companies. Further detailed information concerning the Company's long-term contracts is found in Ohio Power Company's Fuel Adjustment Electric Utility Annual Summary Report in PUCO Case No. 93-01-EL-EFC.

The circumstances leading to long-term contracts are unique in each instance, and it is difficult to characterize specific selection criteria and alternatives considered for each contract presently in effect. But generally, long-term contracts are effectively negotiated when the buyer and seller reach agreement upon quantity, quality, price and price escalation.

It is the Company's policy to audit the contracts and aggressively enforce the quantity, quality and price provisions of all contracts where the supplier's actions are not covered by adequate justification, and where the Company has a legally enforceable right.

#### Affiliated Supplies

The Ohio Power Company owns all the outstanding capital stock of the Central Ohio Coal Company, Windsor Coal Company and Southern Ohio Coal Company, each of which are engaged in the mining of coal for delivery to generating plants of the Company. The Ohio Power Company also owns 50 percent of the capital stock of the Central Coal Company, which is not currently mining coal.

The Ohio Power Company, and the subsidiaries of the Company organized to conduct coal mining operations in Ohio, own coal reserves in Ohio totaling approximately 242-million tons of recoverable coal, ranging in sulfur content between 3.4 percent and 4.5 percent sulfur by weight, an average of 3.7 percent sulfur by weight, and an additional 113-million tons ranging between 2.4 percent and 3.4 percent sulfur by weight, an average of 2.7 percent sulfur by weight.

In general, the affiliated coal mining operations over a period of years provides greater assurance of reliability and adequacy of supply to Ohio Power's generating stations. Some of the benefits which inure to Ohio Power are as follows:

- An assured continuous delivery of coal for the life of the mines. Beyond the initial contract term, the Company has no such assurances from non-affiliated sources of supply.
- The prices paid for affiliated coal are limited to actual production costs plus a reasonable and authorized return on the Company's investment pursuant to Securities and Exchange Commission Rules and Orders.
- Direct experience with the coal mining operations of affiliated coal companies provides invaluable benefits in the Company's transactions with non-affiliated suppliers and coal contracts. This experience provides a direct base in dealing with such issues as auditing force majeure provisions of such contracts or administration of price claims and escalation provisions.
- The Company also employs numerous practices which contribute to lower mine operating costs. A detailed listing is found in Ohio Power Company's Fuel Adjustment Electric Utility Annual Summary Report filed in PUCO Case No. 93-01-EL-EFC.

#### Spot Market Coal

Ohio Power assures that minimum prices are paid for coal purchases on the spot market by comparing prices among competitors and reviewing the public record of prices paid by other utilities for similar quality coals. Generally, coal is bought with price adjustments for quality variations. If the quality deteriorates, appropriate action is taken, such as the imposition of a penalty, suspension of future deliveries, or cancellation of the purchase. Spot coals, as well as contract coals, are inspected and delivery can be refused or rejected if quality is inferior.

### Fuel Utilization and Operating Procedures

The Ohio Power Company's operating policies and procedures assure that the operation of generation, transmission and distribution systems are designed to minimize overall cost.

The electric generation and transmission facilities of the Ohio Power Company and those of six other major affiliated operating companies are centrally dispatched from the AEP System Control Center in Columbus, Ohio. This single integrated system continuously supplies the total AEP generation requirement in the most economical and reliable manner.

A dual Digital Equipment Vax 8550 digital computer system monitors generator unit loadings and interconnection power flows. From this information, the computer determines any change in total customer load requirements. An economic dispatch computer program uses generator unit efficiency, incremental fuel cost, maintenance costs, West Virginia B&O taxes, if applicable, and transmission losses to determine the most economic generation dispatch to meet the change in customer load. Control signals are sent to generating units on automatic control to economically dispatch them to their new desired generation level.

The Control Center regularly contacts neighboring utilities and arranges to buy or sell economy power on an hour-to-hour basis whenever a savings can be made.

The monthly fuel cost used for the economic dispatch of plant generation is the forecasted monthly weighted average cost of fuel consumed at this plant. This fuel cost is also used to determine rates for economy energy transactions with other companies.

The Control Center prepares and issues daily capacity in-service schedules specifying which generating units are to be operated over the various portions of the load cycle for the next 24 hours. The generating units are selected based on an evaluation of relative start-up and operating cost characteristics and local area and overall system security requirements.

### Incorporation of Additional Information

Ohio Power Company's monthly ER reports filed with the Commission and the narrative portion of Ohio Power Company's Fuel Adjustment Electric Utility Annual Summary Report in PUCO Case No. 93-01-EL-EFC are incorporated and made fully a part of this data submission.

**UPDATED DATA IN RESPONSE TO  
THE COMMISSION'S ORDER OF SEPTEMBER 8, 1976  
IN PUCO CASE NO. 76-534-EL-FAC**



ADJUSTMENT FACTORS PURSUANT TO RULE 26  
SUMMARY FOR THE PERIOD 1 THRU 30 NOVEMBER 1992  
\*\*\* ALL DATA IN MMH \*\*\*

TC	MMH SALES AT CUSTOMER LEVEL	PERCENT SYSTEM LOSS (%)	LOSS ADJUSTMENT FACTOR	ADJUSTED MMH AT GENERATION LEVEL	ADJUSTMENT MMH
11	498,031	2.427	.97572	510,421	12,390
12	80,857	2.227	.97772	82,699	1,842
13	35	12.500	.87500	40	5
16	996	5.771	.94229	1,057	61
17	1,447	10.679	.89321	1,620	173
18	1,703,657	12.117	.87882	1,938,559	234,902
20	54,782	3.605	.96394	56,831	2,049
22	21	8.695	.91304	23	2
23	778,165	2.147	.97852	795,244	17,079
24	9,252	0.010	.99989	9,251	-1
27	47,944	0.000	.00000	47,944	0
29	613,857	0.999	.99000	620,055	6,198
35	386	7.434	.92566	417	31
TOTAL	3,789,430	6.759	.93240	4,064,161	274,731
Item 1A, and B,	(1), (1),	(2), (2),	(3), (3),	(4), (4),	(5), (5),
					(6)

ADJUSTMENT FACTORS PURSUANT TO RULE 26  
SUMMARY FOR THE PERIOD 1 THRU 31 OCTOBER 1992  
\*\*\* ALL DATA IN MMH \*\*\*

TC	MMH SALES AT CUSTOMER LEVEL	PERCENT SYSTEM LOSS (2)	LOSS ADJUSTMENT FACTOR	ADJUSTED MMH AT GENERATION LEVEL	ADJUSTMENT MMH
11	951,564	2.286	.97713	973,834	22,270
12	119,615	2.344	.97655	122,487	2,872
13	11	38.688	.61111	18	7
16	1,187	5.718	.94281	1,259	72
17	1,409	10.596	.89403	1,576	167
18	1,705,697	9.603	.90396	1,886,900	181,203
20	55,470	3.605	.96394	57,545	2,075
22	2	0.000	.00000	2	0
23	477,899	2.060	.97939	487,954	10,055
24	10,222	0.560	.99439	10,165	-57
27	182,356	0.020	.99979	182,394	38
29	636,424	1.000	.98999	640,835	6,411
35	374	7.425	.92574	404	30
TOTAL	4,140,230	5.157	.94842	4,365,373	225,143

ADJUSTMENT FACTORS PURSUANT TO RULE 26  
 SUMMARY FOR THE PERIOD 1 THRU 30 SEPTEMBER 1992  
 \*\*\* ALL DATA IN MWH \*\*\*

TC	MWH SALES AT CUSTOMER LEVEL	PERCENT SYSTEM LOSS (2/)	LOSS ADJUSTMENT FACTOR	ADJUSTED MWH AT GENERATION LEVEL	ADJUSTMENT MWH
11	1,351,472	2.783	.97216	1,390,169	38,697
12	94,815	3.126	.96873	97,875	3,060
13	17	29.166	.70833	24	7
16	1,671	5.699	.94300	1,772	101
17	1,202	10.698	.89301	1,346	144
18	1,789,073	0.883	.99117	1,805,012	15,939
20	53,331	3.605	.96394	55,326	1,995
21	78,264	1.768	.98231	79,673	1,409
22	18	10.000	.90000	20	2
23	271,377	2.970	.97029	279,685	8,308
24	17,677	0.562	.99437	17,777	100
27	421	0.000	.00000	421	0
29	520,411	1.051	.98948	525,941	5,550
35	395	7.494	.92505	427	32
TOTAL	4,180,144	1.770	.98230	4,255,468	75,324

ADJUSTMENT FACTORS PURSUANT TO RULE 26  
SUMMARY FOR THE PERIOD 1 THRU 31 AUGUST 1992  
\*\*\* ALL DATA IN MWH \*\*\*

TC	MWH SALES AT CUSTOMER LEVEL	PERCENT SYSTEM LOSS (12)	LOSS ADJUSTMENT FACTOR	ADJUSTED MWH AT GENERATION LEVEL	ADJUSTMENT MWH
11	1,298,812	2.242	.97757	1,528,605	29,793
12	53,383	2.789	.97210	54,915	1,532
13	29	29.268	.70731	41	12
16	1,675	5.686	.94313	1,776	101
17	1,036	10.689	.89310	1,160	124
18	1,789,993	6.789	.93210	1,920,384	130,391
20	56,428	3.604	.96395	58,538	2,110
21	83,454	1.767	.98232	84,956	1,502
22	99	9.174	.90825	109	10
23	310,073	2.321	.97679	317,441	7,368
24	18,534	0.408	.99591	18,610	76
27	4,291	0.000	.00000	4,291	0
29	535,811	1.053	.98946	541,518	5,707
35	407	7.500	.92500	440	33
TOTAL	4,154,025	4.125	.95874	4,332,784	178,759

ADJUSTMENT FACTORS PURSUANT TO RULE 26  
SUMMARY FOR THE PERIOD 1 THRU 31 JULY 1992  
\*\*\* ALL DATA IN MWH \*\*\*

TC	MWH SALES AT CUSTOMER LEVEL	PERCENT SYSTEM LOSS (%)	LOSS ADJUSTMENT FACTOR	ADJUSTED MWH AT GENERATION LEVEL	ADJUSTMENT FACTOR
11	1,271,164	2.090	.97909	1,298,308	27,144
12	96,464	2.966	.97033	99,413	2,949
13	76	17.391	.82608	92	16
16	1,658	5.688	.94311	1,758	100
17	1,062	10.881	.89318	1,189	127
18	1,743,666	11.108	.88891	1,961,561	217,895
20	54,909	3.605	.96394	56,963	2,054
21	123,275	1.768	.98231	125,494	2,219
22	16	5.882	.94117	17	1
23	677,416	2.156	.97844	692,343	14,927
24	20,280	0.724	.99275	20,428	148
27	5,724	0.034	.99965	5,726	2
29	486,277	1.090	.98909	491,640	5,363
35	439	7.383	.92616	474	35
TOTAL	4,482,926	5.740	.94259	4,755,406	272,980

ADJUSTMENT FACTORS PURSUANT TO RULE 26  
SUMMARY FOR THE PERIOD 1 THRU 30 JAN 1992  
\*\*\* ALL DATA IN MMH \*\*\*

TC	MMH SALES AT CUSTOMER LEVEL	PERCENT SYSTEM LOSS (%)	LOSS ADJUSTMENT FACTOR	ADJUSTED MMH AT GENERATION LEVEL	ADJUSTMENT MMH
11	1,107,249	2.184	.97815	1,131,980	24,731
12	39,549	2.610	.97389	40,609	1,060
13	57	13.636	.86363	66	9
16	3,077	5.671	.94328	3,262	185
17	1,031	10.735	.89264	1,155	124
18	1,729,031	3.763	.96237	1,796,640	67,609
20	52,476	3.605	.96394	54,439	1,963
22	12	7.692	.92307	13	1
23	449,567	2.257	.97742	459,949	10,382
24	18,259	0.642	.99357	18,377	118
27	5,915	0.000	.00000	5,915	0
29	592,318	0.979	.99020	598,178	5,860
35	379	7.334	.92665	409	30
TOTAL	3,998,920	2.726	.97273	4,110,992	112,072

## Item 1. B(1)

Special contract non-jurisdictional sales to ultimate consumers consist of energy delivered at secondary and primary voltage to public authorities for water pumping, sewage treatment, street lighting and other minor miscellaneous uses.

Based upon a study, we determined that 64% of the total KWH sales for water pumping, sewage treatment and miscellaneous uses were made at primary voltage, and 36% were made at secondary voltage. Street lighting sales are made at secondary voltage.

Based upon engineering studies, the cumulative loss factor for sales made from the primary system was calculated to be 1.081 and, the factor for sales from the secondary system is 1.12.

The composite loss factor for non-jurisdictional sales to ultimate consumers for water pumping, sewage treatment and miscellaneous uses was determined as follows:

	<u>Cumulative Loss Factor</u>		<u>% KWH Sales</u>		<u>Weighted Average Factor</u>
Primary Voltage Deliveries	1.081	x	.64	=	.6918
Secondary Voltage Deliveries	1.12	x	.36	=	<u>.4032</u>
					1.0950

The cumulative loss factor, 1.12, was applied to street lighting sales, which are made at secondary voltage.

The losses for non-jurisdictional sales to ultimate customers for a typical month are calculated as follows:

EXCLUDED SALES 1

PERIOD FROM 11/01/92 TO 11/30/92

APP NO	TAR CODE	METERED KWH	INC ABV BASE FL	TRANS	FUEL CHG ADJ €/KWH	BASE FUEL €/KWH	TOTAL FL CHG €/KWH	TOTAL FUEL CHG \$	ENERGY CHARGE \$
6	652	0	*****	0.99996	*****	0.383040	*****	0.00	0.00
6	TOTAL	0						0.00	
7	535	1380041	-158.	0.00120	-0.189600	2.160000	1.970400	27192.33	136588.29
7	TOTAL	1380041							
8	999	0	*****	0.00525	*****	0.183750	*****	0.00	0.00
8	TOTAL	0						0.00	
9	555	0							0.00
9	726	1777							71.08
9	711	0							0.00
9	TOTAL	1777	0.	0.00525	0.000000	0.189000	0.189000	3.36	
10	524	66459	750.	0.00117	0.877500	1.043640	1.921140	1276.77	4420.38
10	TOTAL	66459							
13	716	19532	0.	0.00000	1.548490	1.061100	1.643103	320.93	807.01
13	TOTAL	19532							
14	656	0							0.00
14	659	0							0.00
14	TOTAL	0	0.	0.00000	1.548490	1.084000	1.678563	0.00	
16	650	0							0.00
16	657	0							0.00
16	658	0							0.00
16	TOTAL	0	0.	0.00000	1.548490	1.059900	1.641245	0.00	
	TOTAL	1467809						28793.39	141886.76



**MW/MSD  
Loss Factor**

Developed from Case No. 80-367-EL-AIR  
data and factors in common use

60% of Energy Delivered at Primary Voltage  
40% of Energy Delivered at Secondary Voltage

Primary Loss Factor	1.06
Secondary Loss Factor	1.12

$$.60 \times 1.06 = .636$$

$$.40 \times 1.12 = \underline{.448}$$
$$1.084$$

Use 1.084 Loss Factor

Loss factors developed for bulk transmission, subtransmission and primary distribution voltage levels are applied to firm power kilowatt-hour sales for resale to Wheeling Power Company and Municipal Wholesale accounts as indicated in the attached Statement BD's taken from the Federal Energy Regulatory Commission filings for the rates in effect.

Ohio Power does not apply a composite loss factor to the majority of their sales for resale (see exceptions noted below). The loss associated with a particular sale is the incremental change in system losses resulting from the redispatch of generation to make the sale. The allocation of generation to a sale is performed by an Energy Costing and Reporting (ECR) program which is an off-line version of the economic dispatch program used to incrementally load system generating units.

The ECR program analyzes each transaction for each hour in the order in which the particular transaction was scheduled. The scheduled energy is assumed to flow at the boundary of the system and is allocated to various interconnection points by the use of the line power distribution factors. The system generation is redispatched economically based upon the sum of the previous system requirement and the energy requirement for the scheduled transaction, recognizing the incremental change in system losses resulting from the sale.

The output of the ECR program displays the summation of the incremental change in generation for all of the units for each operating company for all of the hours that the particular transaction occurred. The difference between the required generation and the scheduled MWH is an indication of the incremental losses associated with the sale.

Exhibit I, attached, is a typical output of the ECR program. This exhibit is for the sale of 7,440 MWH of Short-Term Energy to Consumers Power Company during December, 1992. Ohio Power's responsibility relative to this sale is its Member Load Ratio (MLR) in the AEP System Pool. The following is Ohio Power's share of this transaction.

	<u>Scheduled MWH</u>	<u>Generated MWH</u>
Total Transaction	7,440	7,600
Ohio Power Share:		
As Booked (27.162%)	2,021	
As Reported on ER-11	2,200	2,248
Losses (MW)	48 MW	
% of Generation	2.1352%	

AMERICAN ELECTRIC POWER  
ENERGY COSTING AND REPORTING

PAGE 149

BREAKDOWN OF ALLOCATED SOURCES BY OPERATING COMPANIES

DATE 01/28/93

TRANSACTION FROM 12/01/92 TO 12/31/92 - ACTUAL

SYSTEM OPERATION DEPARTMENT

TO MC S-TERM BLOCK - 6 7,440 MWH

ALLOC /----- MAJOR STEAM UNIT COSTS /----- COST CLASSIFICATION -----/

SOURCE GEN OIL C/MBTU COAL C/MBTU OTHER SOURCES COST 151 NON FUEL 152 MTCE OTHER M/KWH

APPALACHIAN POWER

AM1	4	494.78	80.67	188.82	80.67	68.66	7.21	4.80	20.167
AM3	3	542.67	62.24	207.09	62.24	53.31	5.33	3.60	20.746
SMT	10		.00	21.78	237.70	210.30	.00	.00	23.770
SP1		522.47	6.14	175.41	6.14	4.69	.58	.87	
SP2	2	511.96	48.02	171.88	48.02	36.35	4.71	6.96	24.010
IP 106	2232		.00	0.00	25759.44	22396.33	.00	.00	3363.11
AP TOT		.00			25997.14	22769.64	17.83	16.23	3390.51

KENTUCKY POWER

IP 106	744		.00	0.00	5327.76	4632.00	.00	.00	695.76
KP TOT		.00			5327.76	4632.00	.00	.00	695.76

INDIANA & MICHIGAN

TC2	105	488.72	2218.49	232.98	2218.49	2054.60	118.56	282.45	21.128
TC3	20	461.48	440.51	220.00	440.51	410.35	23.64	53.80	22.025
IP 106	1488		.00	0.00	14802.94	12872.60	.00	.00	1930.34
I&M TOT		.00			14802.94	15337.55	142.20	336.25	1930.34

OHIO POWER

AM3	6	542.67	124.52	207.09	124.52	106.68	10.64	7.20	20.753
ML1	3	537.30	53.52	156.15	53.52	44.25	5.91	3.36	17.840
SP1	1	522.47	14.72	175.41	14.72	11.24	1.40	2.08	14.720
SP2	6	511.96	115.15	171.88	115.15	87.23	11.28	16.64	19.191
IP 106	2232		.00	0.00	21808.54	18951.61	.00	.00	2856.93
OP TOT		.00			21808.54	19201.01	29.23	29.28	2856.93

COLUMBUS & SOUTHERN

IP 106	744		.00	0.00	12585.85	10937.76	.00	.00	1648.09
C&S TOT		.00			12585.85	10937.76	.00	.00	1648.09

AEP TOT	7600	.00			80522.23	72877.96	95.14	381.76	10521.63
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## STATEMENT BD

## PERIOD II

OHIO POWER COMPANY  
Energy Allocation Factor  
Year Ended 12/31/82  
(MRS)

Line No.	Description	GMH (A)	GMH (B)	GMH (C)	GMH Delivered (C)	GMH Losses (D)	GMH Required (E)
1	Sources of Energy:						
2	Generation			43,088			
3	Purchases			2,196			
4	Interchange In		0				
5	Interchange Out		(9,065)				
6	Net Interchange			(9,065)			
7	Total Energy Available			36,219			
8	Less:						
9	System Sales including losses			8,035			
10	Kaiser & Ormet including losses			3,401			
11	IRP including losses			1,508			
12	Net - Energy Allocation Factor Denominator			23,275			
13	Sales to - MRS						
14	Bulk Transmission		2.10	96		2	98
15	Subtransmission		1.20	204		7	211
16	Distribution		5.20	60		5	65
17	Total			360		14	374
18	Energy Allocation Factor (Required/Line 12)						0.016069
19	Overall Losses on Energy Delivered						
20	GMH Losses/GMH Required		3.74%				

Losses as a % of Energy: Bulk Transmission= 2.100 ;Subtransmission=1.200 ;Distribution= 5.200

Loss Factors: BT to Total=1.021 ;ST to Total= 1.033;Distribution to Total= 1.087

## STATEMENT BD

## PERIOD 11

OHIO POWER COMPANY  
Energy Allocation Factor  
Year Ended 12/31/82  
(Wheeling)

Line No.	Description	GMH (A)	GMH (B)	GMH (C)	GMH Delivered (C)	GMH Losses (D)	GMH Required (E)
1	Sources of Energy:						
2	Generation			43,088			
3	Purchases			2,196			
4	Interchange In		0				
5	Interchange Out		(9,065)				
6	Net Interchange						
7	Total Energy Available			36,219			
8	Less:						
9	System Sales including losses			8,035			
10	Kaiser & Ormet including losses			3,401			
11	IRP including losses			1,508			
12	Net - Energy Allocation Factor Denominator			23,275			
13	Sales to - Wheeling						
14	Bulk Transmission		2.10	1,597		34	1,631
15	Subtransmission		1.20	292		10	302
16	Distribution		5.20	89		8	97
17	Total			1,978		52	2,030
18	Energy Allocation Factor (Required/Line 12)						0.087218
19	Overall Losses on Energy Delivered						
20	GMH Losses/GMH Required		2.564				

Losses as a % of Energy: Bulk Transmission=3.180; Subtransmission= 1.200; Distribution= 5.200

Loss Factors: BF to Total= 1.021; ST to Total=1.033; Distribution to Total= 1.087

MWW-MSD I  
MWW-MSD II  
MWW-MSD III

(Developed from data and factors in common use as of 6/30/84)

$$\frac{\text{Sales to MWW/MSD (Generation Level)}}{\text{Sales to MWW/MSD (Metered Level)}} = \frac{230}{217} = 1.0599$$

Use 1.0599 Loss Factor

Item 2, A. and B.

	<u>Imputed Cost</u> <u>/KWH</u>	<u>Power Code 16</u> <u>KWH</u>	<u>Power Code 21</u> <u>KWH</u>	<u>Power Code 22</u> <u>KWH</u>
June 1992	1.665911	3,262,404	0	12,740
July 1992	1.661883	1,758,385	125,493,942	16,567
August 1992	1.761945	1,776,371	84,956,295	109,403
September 1992	1.621700	1,771,841	79,672,842	19,619
October 1992	1.583898	1,259,288	0	2,097
November 1992	1.602901	1,056,942	0	22,715

OHIO POWER GENERATION DATA RELATIVE TO PUCB RULE 21 FOR NOVEMBER 1992									
NET-GEN		MNU CONSUMED		151-FUEL		HEAT-RATE		ROW	
MWH	DOLLARS	MWH	DOLLARS	BTU/MWH	KWH/STU	THRM EFF	AUC COST	MILLS/KWH	
SAVIN 020034									
THIS MONTH	807,611	7,833,387	13,452,226	9,697,4356	103.0986	16.65681			
12 MOS END	13,181,727	147,227,727	236,801,463	9,697,6930	103.1173	15.59779			
MITCHELL 020039									
THIS MONTH	788,900	7,314,230	12,360,544	9,271,4539	107.8379	15.66807			
12 MOS END	6,328,179	61,819,343	112,088,747	9,768,8996	102.3657	17.71264			
MUSKINGUM 020036									
THIS MONTH	672,454	6,456,328	10,605,426	9,601,1443	104.1342	15.77123			
12 MOS END	8,254,525	81,619,644	140,431,574	9,887,8668	101.1340	17.01510			
KANNER 020035									
THIS MONTH	406,869	3,856,981	4,653,078	9,479,6638	105.4890	11.43631			
12 MOS END	4,670,865	44,959,937	55,331,941	9,625,6126	103.8895	11.84619			
CARDINAL 021036									
THIS MONTH	277,075	2,485,225	3,496,388	8,949,5028	111.4889	12.61863			
12 MOS END	5,690,218	53,593,718	79,358,328	9,418,5703	104.1732	13.98823			
SPURN 021037									
THIS MONTH	145,514	1,407,864	2,354,408	9,675,1103	103.3580	16.17994			
12 MOS END	1,917,718	19,181,857	30,313,735	10,002,4388	99.9756	15.91148			
ANDUS 021035									
THIS MONTH	162,873	1,648,705	3,226,771	10,172,6074	98.3032	20.34127			
12 MOS END	2,259,713	22,953,810	43,031,487	10,157,8341	98.4462	19.93680			
7100 PFBC 020038									
THIS MONTH	0	0	0	8.0000	0.0000	0.00000			
12 MOS END	0	0	0	8.0000	0.0000	0.00000			
RACINE H 022512									
THIS MONTH	20,996	0	0	8.0000	0.0000	0.00000			
12 MOS END	242,171	0	0	8.0000	0.0000	0.00000			
TOTAL OHIO POWER									
THIS MONTH	3,281,492	31,802,740	50,218,761	9,508,5962	103.1680	15.38364			
12 MOS END	44,543,118	431,356,038	699,789,477	9,736,5089	102.7062	15.78968			
4 MOS END	22,408,193	218,231,743	354,419,238	9,787,9764	102.1662	15.81650			
3 MOS END	10,939,232	104,081,492	167,964,866	9,576,1635	104.4260	15.35428			

Item 3, A, B, C, D, E, F and G



OHIO POWER GENERATION DATA RELATIVE TO PUCO RULE 21 FOR OCTOBER 1992				RUN 11/09/92		
NET-GEN MWH		151-FUEL DOLLARS		HEAT-RATE BTU/MWH	THEM EFF KWH/BTU	AVG COST MILLS/KWH
<b>CAVIN 020034</b>						
THIS MONTH	1,630,837	15,438,854	23,945,673	9,466,8284	105.6320	15.90942
12 MOS END	15,689,143	151,980,888	244,486,941	9,467,0102	103.2310	15.58319
<b>MITCHELL 020039</b>						
THIS MONTH	593,934	5,344,468	9,521,616	9,335,1583	107.1219	16.03144
12 MOS END	6,059,814	59,494,143	109,591,147	9,817,8167	101.8556	18.08490
<b>MUSKINGUM 020036</b>						
THIS MONTH	666,815	6,404,348	10,768,037	9,619,9216	103.9942	16.15583
12 MOS END	8,282,227	81,808,441	141,588,649	9,877,5898	101.2393	17.09548
<b>KANHER 020035</b>						
THIS MONTH	388,514	3,764,127	4,336,927	9,688,5235	103.2149	11.72912
12 MOS END	4,674,406	45,010,945	55,822,535	9,629,2331	103.8504	11.94217
<b>CARDINAL 021036</b>						
THIS MONTH	394,057	3,614,216	5,146,313	9,171,8102	109.0297	13.05982
12 MOS END	5,625,125	53,240,014	79,462,801	9,464,6811	105.6540	14.12641
<b>SPORN 021037</b>						
THIS MONTH	117,592	1,170,328	1,941,463	9,952,4457	100.4778	16.31016
12 MOS END	2,084,881	20,730,448	32,712,482	9,943,3339	100.5699	15.69034
<b>AMOS 021035</b>						
THIS MONTH	0	0	0	0.0000	0.0000	0.00000
12 MOS END	2,441,858	24,618,453	48,001,765	10,081,8528	99.1881	19.65789
<b>TIPO 020038</b>						
THIS MONTH	0	0	0	0.0000	0.0000	0.00000
12 MOS END	0	0	0	0.0000	0.0000	0.00000
<b>RACINE H 022512</b>						
THIS MONTH	24,866	0	0	0.0000	0.0000	0.00000
12 MOS END	231,866	0	0	0.0000	0.0000	0.00000
<b>TOTAL GRID POWER</b>						
THIS MONTH	3,815,815	35,936,341	57,872,029	9,479,5105	105.4907	15.14634
12 MOS END	45,089,320	436,883,552	711,446,320	9,739,3747	102.6760	15.78348
4 MOS END	22,491,063	219,463,728	336,917,336	9,808,6351	101.9510	15.84930
3 MOS END	11,549,046	113,481,562	183,404,597	9,880,7758	101.2064	15.89782

## OHIO POWER GENERATION DATA RELATIVE TO FUND RULE 21 FOR SEPTEMBER 1992 RUN 10/08/92

NET-GEN MWH	HEAT-RATE BTU/KWH	151-FUEL DOLLARS	THRM EFF KWH/8TU	Avg COST MILLS/KWH
<b>CAVIN 020034</b>				
THIS MONTH 1,474,919	14,255,243	23,342,085	9,663.1023	103.4650
12 MOS END 13,349,787	148,978,860	239,688,079	9,705.5979	103.0333
<b>MITCHELL 020039</b>				
THIS MONTH 642,873	6,258,359	11,049,733	9,722.3408	102.8538
12 MOS END 5,790,677	57,084,370	105,951,091	9,858.0131	101.4403
<b>MUSKINGUM 020036</b>				
THIS MONTH 699,360	6,913,504	11,688,818	9,883.4724	101.1585
12 MOS END 8,111,264	80,170,614	139,318,777	9,883.8620	101.1750
<b>KANHER 020035</b>				
THIS MONTH 297,223	2,918,749	3,548,588	9,828.0644	101.8323
12 MOS END 4,687,700	45,161,856	56,480,954	9,634.1182	103.7978
<b>CARDINAL 021036</b>				
THIS MONTH 591,483	5,636,349	8,197,339	9,529.1817	104.9408
12 MOS END 5,473,375	52,060,780	78,172,858	9,511.6414	103.1343
<b>SPOON 021037</b>				
THIS MONTH 91,021	911,320	1,501,772	10,012.1950	99.8782
12 MOS END 2,132,324	21,184,804	33,261,201	9,935.0774	100.4335
<b>AMBS 021035</b>				
THIS MONTH 20,485	256,887	560,931	12,540.2490	79.7432
12 MOS END 2,639,800	26,615,349	51,837,811	10,082.3354	99.1834
<b>TIDD 020038</b>				
THIS MONTH 0	0	0	0.0000	0.0000
12 MOS END 0	0	0	0.0000	0.0000
<b>RACINE H 022512</b>				
THIS MONTH 24,561	0	0	0.0000	0.0000
12 MOS END 214,261	0	0	0.0000	0.0000
<b>TOTAL OHIO POWER</b>				
THIS MONTH 3,841,925	37,142,411	59,873,276	9,729.8584	102.7764
12 MOS END 48,399,188	431,256,833	704,710,771	9,760.2704	102.4562
6 MOS END 21,879,767	214,204,570	348,324,906	9,840.4778	101.6211
3 MOS END 11,771,486	116,882,279	190,262,098	9,972.6780	100.2740



OHIO POWER GENERATION DATA RELATIVE TO PUCO RULE 21 FOR JULY 1992 RUN 08/10/92

SAVIN 020034  
THIS MONTH 1,469,952 14,194,002 23,059,741 9,656,0990 103,5615 15,68741  
12 MOS END 15,136,154 147,223,127 239,651,715 9,726,5875 102,8110 15,83307

MITCHELL 020039  
THIS MONTH 589,847 5,771,764 10,565,834 9,785,1918 102,1952 17,91284  
12 MOS END 5,204,243 51,048,525 95,466,184 9,809,0203 103,9470 18,34391

MUSKINGUM 020036  
THIS MONTH 687,094 6,764,450 11,849,112 9,845,0139 101,5743 17,24526  
12 MOS END 7,533,619 73,688,307 128,685,644 9,781,2893 102,2360 17,08152

KAMMER 020035  
THIS MONTH 262,607 2,614,639 2,926,137 9,956,4711 100,4372 11,40920  
12 MOS END 4,940,330 47,737,640 60,559,089 9,662,4532 103,4934 12,25761

CARDINAL 021036  
THIS MONTH 662,388 6,398,718 9,484,618 9,660,0754 103,5189 14,31883  
12 MOS END 5,086,171 48,866,699 74,037,149 9,607,7578 104,0826 14,35656

SPERN 021037  
THIS MONTH 138,982 1,393,822 2,207,804 10,028,7951 99,7129 15,98554  
12 MOS END 2,378,449 23,128,409 35,941,427 9,724,1560 102,8367 15,11129

OHNS 021035  
THIS MONTH 215,266 2,199,661 4,366,284 10,218,3392 97,8633 20,28320  
12 MOS END 3,108,595 30,872,342 59,583,873 9,931,2847 100,6919 19,16746

Y100 020038  
THIS MONTH 0 0 0 0.0000 0.0000 0.00000  
12 MOS END 0 0 0 0.0000 0.0000 0.00000

RACINE H 022512  
THIS MONTH 12,119 0 0 0.0000 0.0000 0.00000  
12 MOS END 191,679 0 0 0.0000 0.0000 0.00000

TOTAL OHIO POWER  
THIS MONTH 4,038,255 39,337,058 64,529,530 9,770,4245 102,3497 15,97956  
12 MOS END 43,579,440 422,565,299 693,925,081 9,739,2738 102,6771 15,92322  
6 MOS END 21,483,204 206,598,908 333,850,119 9,666,4617 103,4505 15,54805  
3 MOS END 10,942,017 105,982,166 173,312,739 9,732,5277 102,7482 15,63919

OHIO POWER GENERATION DATA RELATIVE TO PUCB RULE 21 FOR JUNE 1992 RUN 07/09/92				
NET-GEN MWH	NET-GEN MWH	HEAT-RATE BTU/KWH	THERM EFF KWH/STD	AUG COST MILLS/KWH
<b>GAVIN</b>				
THIS MONTH	1,325,957	12,883,408	20,908,201	9,716,3030
12 MOS END	15,051,827	146,733,438	240,692,974	9,748,5467
<b>MITCHELL</b>				
THIS MONTH	5,509,164	10,239,921	89,536,131	9,812,7878
12 MOS END	4,862,379	47,746,382	89,536,131	9,819,1478
<b>MUSKIEGUM</b>				
THIS MONTH	5,843,315	10,230,606	100,2361	102,2361
12 MOS END	7,382,041	72,271,142	126,099,445	9,770,1301
<b>KAMMER</b>				
THIS MONTH	3,773,737	4,391,999	9,820,8928	101,8237
12 MOS END	5,092,374	49,245,373	63,035,850	9,674,1531
<b>CAROLINA</b>				
THIS MONTH	3,784,066	5,873,688	9,310,6538	107,4038
12 MOS END	4,900,204	44,923,231	71,308,942	9,575,7709
<b>SPORN</b>				
THIS MONTH	963,145	1,498,929	9,989,4727	100,1054
12 MOS END	23,670,457	36,620,527	9,711,8851	102,9666
<b>ANDS</b>				
THIS MONTH	1,453,556	2,903,086	10,197,9598	98,8588
12 MOS END	31,974,648	61,242,471	9,932,6226	100,6783
<b>TID</b>				
THIS MONTH	0	0	0	0
12 MOS END	0	0	0	0
<b>RACINE H</b>				
THIS MONTH	15,195	0	0	0
12 MOS END	189,750	0	0	0
<b>TOTAL OHIO POWER</b>				
THIS MONTH	3,539,400	34,918,383	56,066,350	9,764,0129
12 MOS END	43,135,500	418,384,691	688,536,340	9,746,8711
6 MOS END	21,590,335	206,811,682	333,996,141	9,633,4844
3 MOS END	10,108,281	97,322,291	158,062,808	9,686,2638

Item 3, D.

Since the calculation of target thermal efficiency is no longer necessary, these data are being omitted.

Item 3, I.

The Company completed the retrofitting of existing generating stations with high efficiency precipitators on October 1, 1980.

Item 4, A. and B.

NONMONETARY TRANSACTIONS

	Interchange In Power Code 09 <u>MWHL</u>	Interchange Out Power Code 19 <u>MWHL</u>
June 1992	6,471	1,301
July 1992	6,628	1,774
August 1992	6,025	1,688
September 1992	4,644	1,791
October 1992	4,997	1,261
November 1992	4,311	3,408



Item 5.

COAL INVENTORY ADJUSTMENTS

An aerial survey of the coal pile is made twice each year, during the months of April and September, at coal-burning plants with a capacity greater than 1000 Megawatts.

Based on an evaluation of the results of the coal pile surveys, adjustments are made to the coal inventory and fuel consumed accounts at each plant in the month of August for the April survey and, in December for the September survey.

Because the aerial survey is considered more accurate than the perpetual inventory record, but not precise, overages and shortages are recorded to the extent of one-half of the difference in tons between the aerial survey and the perpetual inventory records provided such difference is 3% or greater of book tonnage and in the same direction for two consecutive surveys. However, if the difference is less than 3% of book tonnage or not in the same direction for at least two consecutive surveys, no inventory adjustment is recorded. If the difference is greater than 12% of book tonnage, the adjustment is limited to 6%.

The dollar amount of the adjustment is calculated by multiplying the tons, as determined by the procedure previously described, by the unit cost per ton in the month the adjustment is recorded.

An aerial survey is taken annually, during the month of September, at coal-burning plants of 1000 Megawatts or less capacity. The same procedure, as outlined above, for larger plants is then followed.

However, if the adjustment to be booked exceeds either 50,000 tons or 7% of the book value of the coal inventory (before adjustment), arrangements should be made to take a second survey during the month of April. The results of the second survey will be recorded in the month of August as outlined above for larger plants.

**Ohio Power Company**

BOX 24000 CANTON, O 44712

71240

Account Number

H 7-740-03-12001-0-2



CAR-RT SORT \*\*RR 05

Doe John

3824 QUAINANCE RD

BUCYRUS OH 44820-9358

7740031200102 0000049010000049015

Please Return This Portion  
With Your Payment

4901

Past Due After

FEB 18

After Due Date Add

Pay This Amount

49.01

We Welcome the Opportunity to  
Assist You. Call or Stop:

125 WEST RENSSELAER ST.  
BUCYRUS, OH 44820  
(419) 562-5015

Account Number:

7-740-03-12001-0-2

Service Name

Doe John

and Location:

3824 QUAINANCE RD

BUCYRUS OH 44820-9358

Tariff:

022

RESIDENTIAL SERVICE

Rates Available on Request

Fuel Rate per Kwh

1.54827¢

From

Service Period

To

01-04

02-02-93

29 DAYS

Demand

Previous

Code

75703

Meter Readings

Present

76415

Code

ACT

Multiplier

1

Kwh Used

712

If, after calling the above  
number, your inquiry is not  
resolved, you may contact  
the Public Utilities Com-  
mission of Ohio, toll-free  
at 1-800-686-7826. For the  
hearing impaired, use the  
TTY/TDD number, 1-800-  
686-1570.

Ask us how an  
energy - efficient  
electric heating and  
cooling system can  
save you money.



Codes:

ACT - Actual

EST - Estimated

MC - Meter Charge

CR - Credit

Settlement  
Month

Monthly Amount

Previous Balance

Past Due After

FEB 18

After Due  
Date Add

Pay This Amount

49.01

7740031200102  
010

\$1.69 AVERAGE COST A DAY



**DATA IN RESPONSE TO  
THE COMMISSION'S ORDER OF SEPTEMBER 3, 1980  
IN PUCO CASE NO. 79-234-EL-FAC (Subfile A)**

**OHIO POWER COMPANY**

	<u>Average Cost of Fuel Consumed (¢MMBTU)</u>	<u>Average Cost of Fuel Received (¢MMBTU)</u>
June 1992	162.934397	163.576169
July 1992	164.042593	158.730160
August 1992	163.006712	158.325626
September 1992	161.199218	158.831599
October 1992	161.040405	153.708892
November 1992	161.981686	160.741578

10:24 Friday, December 18, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
 \*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* TOTAL \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	\$/T C/HMBTU FOB	\$/T C/HMBTU DLVD	BTU/LB	% ASH	% SULFUR	#S02/HMBTU
91	12	1,643,385	53,689,110	56,296,920	32.67	34.26	1.59	100.10	146.91	11660	13.05	3.07	5.27
92	1	1,750,906	61,632,072	64,179,977	35.20	36.66	1.46	151.08	157.33	11649	13.37	3.11	5.34
92	2	1,638,110	54,682,369	56,852,005	33.30	34.71	1.32	143.48	149.17	11633	13.12	3.11	5.35
92	3	1,621,063	56,637,465	58,610,220	34.94	36.16	1.22	150.26	155.50	11626	13.01	3.24	5.58
92	4	1,237,975	42,961,883	44,768,702	34.70	36.16	1.46	148.12	154.35	11715	13.05	3.05	5.21
92	5	1,342,080	49,513,755	51,437,969	36.90	38.33	1.43	157.80	163.94	11690	12.97	3.17	5.42
92	6	1,351,217	48,981,283	50,937,316	36.25	37.70	1.45	154.44	160.61	11736	12.81	3.08	5.25
92	7	1,199,708	41,978,395	43,515,027	34.99	36.27	1.28	149.69	155.17	11608	12.59	3.07	5.26
92	8	1,456,080	51,015,989	52,984,925	35.04	36.59	1.35	149.99	155.78	11679	12.57	3.15	5.39
92	9	1,345,340	46,893,001	48,678,706	34.86	36.18	1.33	147.83	153.46	11739	12.25	3.03	5.14
92	10	1,547,365	51,974,587	54,751,233	33.59	35.38	1.79	145.01	150.65	11744	12.62	2.87	4.89
92	11	1,338,017	46,635,565	49,201,529	34.85	36.77	1.92	148.22	156.38	11758	12.73	2.77	4.72

10:24 Friday, December 18, 1992

\*\*\*\*\*  
\*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
\*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* TOTAL \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T C/HMBTU FOB	C/HMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/HMBTU
17,471.087	606,595,474	632,218,630	34.72	36.19	1.47	148.46	154.73	12.86	3.86	5.24

10:24 Friday, December 18, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* TOTAL CONTRACT \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	9/T FOB	9/T DLVD	9/T TRNS	C/HMBTU FOB	C/HMBTU DLVD	BIUS/LB	% ASH	% SULFUR	#S02/HMBTU
91	12	1,532,434	51,823,116	53,369,867	33.30	34.83	1.53	143.14	149.72	11631	13.12	3.07	5.28
92	1	1,660,405	59,475,231	61,882,073	35.82	37.27	1.45	154.04	160.27	11627	13.45	3.09	5.32
92	2	1,548,673	52,571,277	54,665,787	33.95	35.30	1.35	146.21	152.03	11609	13.21	3.08	5.31
92	3	1,551,662	54,994,584	56,949,265	35.44	36.70	1.25	152.58	157.98	11614	13.02	3.21	5.52
92	4	1,166,206	41,289,721	43,075,776	35.41	36.94	1.53	151.23	157.78	11705	13.09	3.01	5.14
92	5	1,270,804	47,829,808	49,728,388	37.66	39.16	1.49	161.28	167.68	11676	13.02	3.14	5.38
92	6	1,274,597	47,196,820	49,121,285	37.03	38.54	1.51	157.91	164.35	11725	12.85	3.03	5.17
92	7	1,148,858	40,788,507	42,319,729	35.50	36.84	1.33	152.33	158.04	11654	12.67	3.05	5.23
92	8	1,386,265	49,340,571	51,261,785	35.59	36.98	1.39	152.58	158.52	11653	12.61	3.13	5.36
92	9	1,293,900	45,665,316	47,437,572	35.29	36.66	1.37	149.95	155.77	11768	12.28	3.01	5.11
92	10	1,475,312	50,231,197	52,992,465	34.05	35.92	1.87	145.09	153.06	11734	12.65	2.84	4.84
92	11	1,179,021	42,830,886	45,172,042	36.33	38.31	1.99	154.89	163.27	11733	12.73	2.88	4.90



10:24 Friday, December 18, 1992

\*\*\*\*\*  
\*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
\*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* TOTAL CONTRACT \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	\$/MTU FOB	\$/MTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/MTU
16,487.336	585,237.034	607,966.236	35.37	36.87	1.50	151.51	157.93	11674	12.91	3.05	5.22

10:24 Friday, December 18, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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## \*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* AFFILIATED \*\*

YEAR	MONTH	TONS	¢ FOB	¢ DLVD	¢/T FOB	¢/T DLVD	¢/T TRNS	¢/MMBTU FOB	¢/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/MMBTU
91	12	1,202,052	39,313,501	41,024,075	32.71	34.13	1.42	141.17	147.31	11583	12.85	3.23	5.58
92	1	1,309,221	47,967,533	49,911,672	36.64	38.12	1.48	150.55	164.97	11554	13.41	3.16	5.47
92	2	1,191,820	41,007,768	42,566,149	34.41	35.72	1.31	148.96	154.62	11549	12.95	3.26	5.65
92	3	1,190,016	42,867,857	44,302,150	36.02	37.23	1.21	156.06	161.28	11501	12.73	3.00	5.90
92	4	826,708	29,859,423	31,252,299	36.12	37.80	1.68	154.81	162.03	11665	12.61	3.07	5.26
92	5	899,663	35,321,074	36,693,473	39.26	40.79	1.53	160.73	175.28	11634	12.55	3.35	5.76
92	6	892,702	35,374,495	36,794,969	39.63	41.22	1.59	169.77	176.59	11670	12.51	3.14	5.39
92	7	738,929	27,124,730	27,807,360	36.71	37.63	0.92	159.97	164.00	11473	12.30	3.38	5.89
92	8	917,021	34,172,173	34,807,749	37.26	37.96	0.69	162.38	165.32	11480	12.32	3.61	6.29
92	9	761,815	29,271,477	29,988,333	38.42	39.36	0.94	165.61	169.67	11600	11.72	3.62	6.25
92	10	828,857	31,499,119	32,203,502	38.00	38.85	0.85	164.91	168.59	11523	12.15	3.52	6.11
92	11	614,292	25,012,897	25,836,149	40.72	42.06	1.34	176.85	182.67	11512	12.19	3.71	6.44

10:24 Friday, December 18, 1992

\*\*\*\*\*  
\*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*\*

\*\* 12/91 - 11/92 \*\*

\*\*\* AFFILIATED \*\*\*

TONS	FOB	DLVD	9/T FOB	9/T DLVD	9/T TRNS	9/T C/HMBTU FOB	9/T C/HMBTU DLVD	BTUS/LB	% ASH	% SULFUR	MS02/HMBTU
11,375,096	418,792,847	435,187,879	36.82	38.89	1.27	159.18	164.66	11566	12.60	3.35	5.79

10:24 Friday, December 18, 1992

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 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*  
 \*\* NON-AFFILIATED \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	C/WMBTU FOB	C/WMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/WMBTU
91	12	441,252	14,375,609	15,272,345	32.56	34.61	2.03	137.25	145.82	11868	13.62	2.64	4.46
92	1	441,685	13,664,539	14,268,395	30.94	32.30	1.37	129.66	135.39	11930	13.26	2.96	4.96
92	2	446,290	13,674,601	14,285,856	30.64	32.01	1.37	129.23	135.01	11855	13.58	2.70	4.55
92	3	431,847	13,769,688	14,312,871	31.94	33.28	1.26	134.66	139.96	11862	13.79	2.80	4.71
92	4	411,267	13,102,460	13,516,403	31.86	32.87	1.01	134.84	139.18	11814	13.95	3.02	5.11
92	5	442,337	14,192,681	14,744,496	32.09	33.33	1.25	135.91	141.19	11804	13.81	2.80	4.74
92	6	458,516	13,606,788	14,142,347	29.68	30.84	1.17	125.88	130.08	11863	13.59	2.97	5.00
92	7	460,779	14,853,665	15,707,667	32.24	34.09	1.85	133.97	141.67	12031	13.86	2.59	4.30
92	8	539,659	16,843,816	18,177,177	31.25	33.72	2.47	129.99	140.28	12019	12.99	2.37	3.94
92	9	583,525	17,621,524	18,690,373	30.20	32.03	1.83	125.46	133.07	12035	12.94	2.25	3.74
92	10	718,589	20,475,468	22,547,731	28.50	31.38	2.88	116.75	130.77	11998	13.15	2.12	3.53
92	11	725,725	21,622,668	23,365,380	29.88	32.28	2.41	124.84	134.98	11966	13.18	1.98	3.31

10:24 Friday, December 18, 1992

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\*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
\*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* NON-AFFILIATED \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	Q/MBTU FOB	Q/MBTU DLVD	BTUS/LB	% ASN	% SULFUR	#S02/MBTU
6,097,991	187,803,427	199,030,151	30.80	32.64	1.84	129.06	136.78	11931	13.35	2.53	4.25

10:24 Friday, December 18, 1992

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 \*\* P M DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* NON-AFFILIATED CONTRACT \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	\$/MBTU FOB	\$/MBTU DLVD	BTUS/LB	% ASH	% SULFUR	MS02/MBTU
91	12	330,381	11,789,615	12,344,992	35.44	37.37	1.92	158.15	158.29	11803	14.12	2.48	4.20
92	1	351,184	11,507,698	11,970,482	32.77	34.09	1.32	137.72	143.26	11897	13.62	2.84	4.78
92	2	356,853	11,563,509	12,099,638	32.40	33.91	1.50	137.22	143.58	11808	14.05	2.49	4.22
92	3	361,646	12,126,727	12,638,115	33.53	34.95	1.41	141.43	147.40	11855	13.96	2.56	4.31
92	4	339,497	11,430,296	11,823,477	33.67	34.83	1.16	142.62	147.53	11803	14.26	2.85	4.83
92	5	378,341	12,508,734	13,034,915	33.78	35.28	1.42	143.48	149.43	11777	14.15	2.63	4.46
92	6	381,896	11,822,325	12,326,316	30.96	32.28	1.32	139.59	136.16	11852	13.66	2.76	4.68
92	7	409,929	13,663,777	14,512,369	33.33	35.60	2.07	139.13	147.77	11979	13.34	2.45	4.09
92	8	469,243	15,168,398	16,454,837	32.33	35.87	2.74	134.44	145.84	12022	13.18	2.19	3.64
92	9	532,085	16,393,839	17,449,239	30.81	32.79	1.98	128.28	136.54	12009	13.88	2.13	3.55
92	10	646,455	18,732,078	20,788,963	28.98	32.16	3.18	120.69	133.94	12004	13.28	1.97	3.28
92	11	564,729	17,817,989	19,335,893	31.55	34.24	2.69	131.75	142.97	11974	13.32	1.97	3.30

10:24 Friday, December 18, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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## \*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* NON-AFFILIATED CONTRACT \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	C/HMBTU FOB	C/HMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/HMBTU
5,114,240	164,444,987	174,778,357	32.15	34.17	2.02	134.93	143.61	11915	13.60	2.38	4.00

10:26 Friday, December 18, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* SPOT \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	\$/T C/HMBTU FOB	\$/T C/HMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#SO2/HMBTU
91	12	110,871	2,665,994	2,927,353	24.05	26.40	2.36	99.66	109.43	12063	12.14	3.14	5.28
92	1	90,501	2,156,841	2,297,904	23.83	25.39	1.56	98.82	105.28	12059	11.87	3.41	5.66
92	2	89,437	2,111,092	2,186,218	23.60	24.44	0.84	97.99	101.48	12044	11.67	3.53	5.86
92	3	69,401	1,642,881	1,673,955	23.67	24.12	0.45	99.48	101.36	11898	12.93	4.05	6.81
92	4	71,769	1,672,162	1,692,926	23.30	23.59	0.29	98.19	99.41	11864	12.44	3.79	6.39
92	5	71,996	1,683,947	1,709,581	23.39	23.75	0.36	97.90	99.39	11946	12.06	3.67	6.15
92	6	76,620	1,784,463	1,816,831	23.29	23.70	0.41	97.74	99.47	11914	12.01	3.91	6.57
92	7	50,850	1,189,888	1,195,298	23.40	23.51	0.11	93.94	94.37	12455	10.77	3.70	5.94
92	8	69,816	1,675,418	1,723,140	24.80	24.68	0.68	100.80	102.84	11999	11.73	3.58	5.96
92	9	51,439	1,227,685	1,241,134	23.87	24.13	0.26	96.97	98.04	12306	11.41	3.54	5.75
92	10	72,054	1,743,390	1,758,769	24.20	24.41	0.21	101.29	102.18	11944	12.01	3.47	5.80
92	11	159,996	3,804,679	4,029,487	23.93	25.34	1.41	100.24	106.16	11937	12.70	2.01	3.37



10:24 Friday, December 18, 1992

\*\*\*\*\*  
\*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 12/91 - 11/92 \*\*

\*\* SPOT \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	c/MHBTU FOB	c/MHBTU DLVD	BTUS/LB	% ASH	% SULFUR	MSD2/MHBTU
983,751	25,358,440	24,251,794	23.74	24.65	0.91	98.82	102.60	12014	12.08	3.33	5.55

09:38 Tuesday, December 29, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*

\*\* TOTAL \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	C/MBTU FOB	C/MBTU DLVD	BTUS/LB	% ASH	% SULFUR	#SO2/MBTU
92	6	1,351,217	48,981,283	50,937,316	36.25	37.70	1.45	154.44	160.61	11736	12.81	3.08	5.25
92	7	1,199,708	41,978,395	43,515,027	34.99	36.27	1.28	149.69	155.17	11688	12.59	3.07	5.26
92	8	1,456,880	51,015,989	52,984,925	35.04	36.39	1.35	149.99	155.78	11679	12.57	3.15	5.39
92	9	1,345,340	46,893,001	48,678,706	34.86	36.18	1.33	147.83	153.46	11789	12.25	3.03	5.14
92	10	1,547,365	51,974,587	54,751,233	33.59	35.38	1.79	145.01	150.65	11744	12.62	2.87	4.89
92	11	1,338,017	46,635,565	49,201,529	34.85	36.77	1.92	148.22	156.38	11758	12.73	2.77	4.72

09:38 Tuesday, December 29, 1992

\*\*\*\*\*  
\*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
\*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*

\*\* TOTAL \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	¢/MMBTU FOB	¢/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/MMBTU
8,237,728	287,475,820	300,068,737	34.90	36.43	1.53	148.72	155.24	11732	12.59	2.99	5.10

09:38 Tuesday, December 29, 1992

\*\*\*\*\*  
 \*\* P M DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
 \*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*

\*\* TOTAL CONTRACT \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	\$/T C/HHBTU FOB	\$/T C/HHBTU DLVD	BTUS/LB	% ASH	% SULFUR	#SO2/HHBTU
92	6	1,274,597	47,196,820	49,121,285	37.03	38.54	1.51	157.91	164.35	11725	12.85	3.03	5.17
92	7	1,148,658	40,788,507	42,319,729	35.50	36.84	1.33	152.33	158.04	11654	12.67	3.05	5.23
92	8	1,386,265	49,340,571	51,261,785	35.59	36.98	1.39	152.58	158.52	11663	12.61	3.13	5.36
92	9	1,293,900	45,665,316	47,437,572	35.29	36.66	1.37	149.95	155.77	11768	12.28	3.01	5.11
92	10	1,475,312	50,251,197	52,992,465	34.05	35.92	1.87	145.09	153.06	11734	12.65	2.84	4.84
92	11	1,179,021	42,850,886	45,172,042	36.33	38.31	1.99	154.80	163.27	11733	12.73	2.86	4.90

09:38 Tuesday, December 29, 1992

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\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
\*\*\*\*\*

\*\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*\*

\*\*\* 06/92 - 11/92 \*\*\*

\*\*\* TOTAL CONTRACT \*\*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	¢/MMBTU FOB	¢/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#SO2/MMBTU
7,757,953	276,053,297	288,304,879	35.58	37.16	1.58	151.89	158.63	11714	12.63	2.99	5.10

09:38 Tuesday, December 29, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
 \*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*  
 \*\* 06/92 - 11/92 \*\*  
 \*\* AFFILIATED \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	¢/MMBTU FOB	¢/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/MMBTU
92	6	892,702	35,374,495	36,794,969	39.63	41.22	1.59	169.77	176.59	11670	12.51	3.14	5.39
92	7	738,929	27,124,730	27,807,360	36.71	37.63	0.92	159.97	164.00	11473	12.30	3.38	5.89
92	8	917,021	34,172,173	34,807,749	37.26	37.96	0.69	162.30	165.32	11480	12.32	3.61	6.29
92	9	761,815	29,271,477	29,998,333	38.42	39.36	0.94	165.61	169.67	11600	11.72	3.62	6.25
92	10	828,857	31,499,119	32,203,502	38.00	38.85	0.85	164.91	168.59	11523	12.15	3.52	6.11
92	11	614,292	25,012,897	25,836,149	40.72	42.06	1.34	176.85	182.67	11512	12.19	3.71	6.44

09:38 Tuesday, December 29, 1992

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\*\* P M DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*  
\*\* AFFILIATED \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	C/HMBTU FOB	C/HMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#SO2/MMBTU
4,753,615	162,456,891	167,438,062	38.58	39.43	1.05	166.22	170.76	11546	12.21	3.49	6.04

09:38 Tuesday, December 29, 1992

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 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*

\*\* NON-AFFILIATED \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	C/MMBTU FOB	C/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/MMBTU
92	6	458,516	13,606,788	14,142,347	29.68	30.84	1.17	125.08	130.00	11863	13.39	2.97	5.06
92	7	460,779	14,853,665	15,707,667	32.24	34.09	1.85	133.97	141.67	12051	13.06	2.59	4.30
92	8	539,059	16,843,816	18,177,177	31.25	33.72	2.47	129.99	140.28	12019	12.99	2.37	5.94
92	9	583,525	17,621,524	18,698,373	30.20	32.03	1.83	125.46	133.07	12035	12.94	2.25	3.74
92	10	718,509	20,475,468	22,547,731	28.50	31.38	2.88	118.75	130.77	11998	13.15	2.12	5.53
92	11	723,725	21,622,668	23,365,380	29.88	32.28	2.41	124.84	134.90	11966	13.18	1.98	5.31



09:38 Tuesday, December 29, 1992

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\*\* P N DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*  
\*\* NON-AFFILIATED \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	C/NMBTU FOB	C/NMBTU DLVD	BTUS/LB	% ASH	% SULFUR	MS02/HMBTU
3,486,113	105,023,929	112,630,675	30.14	32.33	2.18	125.73	134.84	11987	13.12	2.32	3.88

09:38 Tuesday, December 29, 1992

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 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*

\*\* NON-AFFILIATED CONTRACT \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	C/MMBTU FOB	C/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#SO2/MMBTU
92	6	581,896	11,822,325	12,326,316	30.96	32.28	1.52	130.59	136.16	11852	13.66	2.78	4.68
92	7	409,929	13,663,777	14,512,369	33.33	35.40	2.07	139.13	147.77	11979	13.34	2.45	4.09
92	8	469,243	15,168,398	16,454,037	32.33	35.07	2.74	134.44	145.84	12022	13.18	2.19	3.64
92	9	532,085	16,393,839	17,449,239	30.81	32.79	1.98	128.28	136.54	12009	13.08	2.13	3.55
92	10	646,455	18,732,078	20,788,963	28.98	32.16	3.18	120.69	133.94	12004	13.28	1.97	3.28
92	11	564,729	17,817,989	19,335,893	31.55	34.24	2.69	131.75	142.97	11974	13.32	1.97	3.30

09:38 Tuesday, December 29, 1992

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\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
\*\*\*\*\*

\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*

\*\* NON-AFFILIATED CONTRACT \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	¢/MMBTU FOB	¢/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#S02/MMBTU
3,004,338	93,598,406	100,866,817	31.15	33.57	2.42	130.03	140.13	11979	13.29	2.20	3.67

09:38 Tuesday, December 29, 1992

\*\*\*\*\*  
 \*\* P W DALEY - DIRECTOR - REGULATORY AFFAIRS \*\*  
 \*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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OHIO POWER FUEL SUPPLY ER DATA \*\*

MM 06/92 - 11/92 \*\*

MM SPOT \*\*

YEAR	MONTH	TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	¢/MMBTU FOB	¢/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	#SO2/MMBTU
92	6	76,620	1,784,463	1,816,031	23.29	23.70	0.41	97.74	99.47	11914	12.01	3.91	6.57
92	7	50,850	1,189,888	1,195,298	23.40	23.51	0.11	93.94	94.37	12455	10.77	3.70	5.94
92	8	69,816	1,675,418	1,723,140	24.00	24.68	0.68	100.00	102.84	11999	11.73	3.58	5.96
92	9	51,839	1,227,685	1,241,134	23.87	24.13	0.26	96.97	98.04	12306	11.41	3.54	5.75
92	10	72,054	1,743,390	1,758,769	24.20	24.41	0.21	101.29	102.18	11944	12.01	3.47	5.80
92	11	158,996	3,804,679	4,029,487	23.93	25.34	1.41	100.24	106.16	11937	12.70	2.01	3.37

09:38 Tuesday, December 29, 1992

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\*\* AMERICAN ELECTRIC POWER SERVICE CORPORATION \*\*  
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\*\* OHIO POWER FUEL SUPPLY ER DATA \*\*

\*\* 06/92 - 11/92 \*\*

\*\* SPOI \*\*

TONS	\$ FOB	\$ DLVD	\$/T FOB	\$/T DLVD	\$/T TRNS	\$/MMBTU FOB	\$/MMBTU DLVD	BTUS/LB	% ASH	% SULFUR	MS02/MMBTU
479,775	11,425,523	11,763,858	23.81	24.52	0.71	98.92	101.84	12038	12.00	3.10	5.16

OHIO POWER COMPANY

ELECTRIC FUEL COMPONENT RATE

BASE PERIOD: DECEMBER 1, 1992 THROUGH MAY 31, 1993

**RECONCILIATION ADJUSTMENT**

**ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM**

12/01/92 to 05/31/93 .

Page 1 of 2

Company Name

**OHIO POWER COMPANY**

Code **020009**

**ACTUAL FUEL COSTS INCURRED, ACTUAL EFC REVENUES BILLED SUMMARY**

Month	Actual Fuel Costs Incurred			Actual EFC Revenues Billed		
	Actual Fuel \$ Cost Incrd.*	Metered KWH**	Generation KWH***	Metered EFC Sales KWH****	EFC Rate c/KWH	Actual EFC Revenues \$
Jun-92	29,474,684.64	1,660,165,900	1,769,282,883	1,708,212,027	1.73065	29,563,171.44
Jul-92	32,356,401.60	1,821,538,457	1,946,972,137	1,734,558,005	1.73065	30,019,128.12
Aug-92	33,451,966.99	1,776,582,961	1,898,582,046	1,773,650,836	1.73065	30,695,688.19
Sep-92	29,197,596.10	1,687,571,044	1,800,431,065	1,787,453,247	1.73065	30,934,559.61
Oct-92	29,787,178.00	1,739,223,442	1,880,625,330	1,703,479,702	1.73065	29,481,271.46
Nov-92	30,923,546.79	1,807,125,187	1,929,223,834	1,695,758,815	1.73065	29,347,649.93
<b>Total</b>	<b>185,191,374.12</b>	<b>10,512,206,991</b>	<b>11,225,117,295</b>	<b>10,403,112,631</b>	<b>1.73065</b>	<b>180,041,468.75</b>
Ratio, Rm/g, of Metered KWH to Corresponding Gen. KWH [RE: Rule 4901:1-11-06(D)(3)(a),OAC]				0.936490 .		
One minus System Loss Fraction, if used (B.P. Wtd. Avg):				N.A.		
<b>ACTUAL NET FUEL COSTS INCURRED dur. B.P. (Revenue Level)</b>				<b>\$ 173,429,869.95 *****</b>		
				Incl. Cost Level      Revenue Level		
OCRDC \$ which were to be recovered by the utility or (credited) to the consumer for the billing period:				\$ 11,935,321.86 .      \$ 11,009,833.13		
RA \$ which were to be recovered by the utility or (credited) to the consumer for the billing period:				\$ 3,145,943.99 .      \$ 2,902,001.82 .		
SLA \$ which were to be recovered by the utility or (credited) to the consumer for the billing period:				\$ (1,951,725.45) '      \$ (1,797,486.71) ' .		
Actual net revenues billed during the base period:				\$ 167,927,120.51 .		

**RECONCILIATION ADJUSTMENT RATE DETERMINATION [RE: Rule 4901:1-11-06(D)(3)(c),OAC]**

<b>RECONCILIATION ADJUSTMENT AMOUNT (NUMERATOR) ITERIZATION</b>		
Actual net fuel costs incurred:		\$ 173,429,869.95 .
Actual net revenues billed:		\$ 167,927,120.51 .
Inverse of Rm/g [RE: Rule 4901:1-11-06(D)(3)(c),OAC]:	1.067817 .	\$ 5,502,749.44 .
Amount of actual fuel costs to be recovered by utility or (credited) to consumer at the includable cost level:	C'ra	\$ 5,875,929.40 .

**RECONCILIATION ADJUSTMENT KILOWATT-HOURS (DENOMINATOR)**

Includable Net KWH Generated & Purchased [RE: Rule 4901:1-11-04(H),OAC;ER-18-S,F.C.]:	EIB	12,256,000,000 . KWH
RECONCILIATION FOR (OVER)/UNDERRECOVERY OF EFC RATE REVENUES:	C'ra/EIB=RA'	0.047943 . c/KWH

**RECONCILIATION ADJUSTMENT RATE DETERMINATION [RE: Rule 4901:1-11-06(C),OAC]**

PUCO ordered util. recovery or (credit) to consumers amount:	C'ra	1,565,160.24 .
Commission Ordered Reconciliation Rate (LCD):	C'ra/EIB=RA'	0.012771 . c/KWH
RECONCILIATION ADJUSTMENT (RA) NET [RE: Rule 4901:1-11-06(B),OAC]:	(C'ra+C'ra)/EIB=RA	0.060714 . c/KWH

\*Actual fuel component costs incurred attributable to EFC ratepayers. [04(B)(2)] monthly, less exclusion exemption(s) [04(F),(G)]; ER-11; Etee x EFC Rate.

\*\*List hereon metered level KWH, (01)(Q), which have been determined as: (generation level KWH) x (1-fraction of system losses experienced).

\*\*\*List hereon generation level KWH, (01)(P), corresponding to those metered level KWH, (01)(Q), utilized in RA calculation [RE: Rule 4901:1-11-06(D)(3)(a),OAC].

\*\*\*\*List hereon the number of KWH sold at the EFC Rate.

\*\*\*\*\*Net fuel costs incurred equals fuel costs incurred less system loss costs.

RA = Reconciliation Adjustment, RA = RA' + RA"

SLA = System Loss Adjustment

This Sheet Filed Pursuant to the Public

Utilities Commission of Ohio

Order No. 86-876-EL-ORD Date 02/20/87

PUCO Form ER-15-S

By: C. A. Oberlin  
Title: Rates and Tariffs  
Supervisor

**OHIO POWER COMPANY**  
**Case No. 93-01-EL-EFC**

**ACTUAL FUEL COSTS INCURRED, ACTUAL EFC REVENUES BILLED SUMMARY**

ACTUAL FUEL COSTS INCURRED				ACTUAL EFC REVENUES BILLED		
MONTH	ACTUAL FUEL \$ COST INCURRED	METERED KWH	GENERATION KWH	METERED EFC SALES KWH	EFC RATE C/KWH	ACTUAL EFC REVENUES \$
	(1)	(2)	(3)	(4)	(5)	(6)
Jun-92	29,474,684.64	1,660,165,900	1,769,282,883	1,708,212,027	1.73065	29,563,171.44
Jul-92	32,356,401.60	1,821,538,457	1,946,972,137	1,734,558,005	1.73065	30,019,128.12
Aug-92	33,451,966.99	1,776,582,961	1,898,582,046	1,773,650,836	1.73065	30,695,688.19
Sep-92	29,197,596.10	1,687,571,044	1,800,431,065	1,787,453,247	1.73065	30,934,559.61
Oct-92	29,787,178.00	1,759,223,442	1,880,625,330	1,703,479,702	1.73065	29,481,271.46
Nov-92	30,923,546.79	1,807,125,187	1,929,223,834	1,695,758,815	1.73065	29,347,649.93
TOTAL	185,191,374.12	10,512,206,991	11,225,117,295	10,403,112,631		180,041,468.75

**EXCLUSION OF TEST ENERGY FROM JURISDICTIONAL EFC SALES (KWH)**

MONTH	TEST GENERATION KWH	LOSS ADJ. FACT. 12 MO ROLLING AVG	METER LEVEL TEST GENERATION KWH	METERED EFC SALES KWH		MET. EFC SALES EXCLUDING MET. TEST ENERGY KWH
	(7)	(8)	(9)	(10)	(11)	(12)
Jun-92	22,187,000	0.938327	20,818,661	1,729,030,688		1,708,212,027
Jul-92	9,735,000	0.935575	9,107,823	1,743,665,828		1,734,558,005
Aug-92	17,464,000	0.935742	16,341,798	1,789,992,634		1,773,650,836
Sep-92	1,728,000	0.937315	1,619,680	1,789,072,927		1,787,453,247
Oct-92	2,370,000	0.935446	2,217,007	1,705,696,709		1,703,479,702
Nov-92	8,432,000	0.936711	7,898,347	1,703,657,162		1,695,758,815
TOTAL	61,916,000		58,003,317	10,461,115,948		10,403,112,631

ER-15-S ATTACHMENT



## SYSTEM LOSS ADJUSTMENT

ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM

12/01/92 to 05/31/93

Page 1 of 1

Company Name

OHIO POWER COMPANY

Code 020002

## INCREMENTAL SYSTEM LOSS COST/KWH DETERMINATION

(1) Month	Actual System Loss Costs/KWH					
	(2) Monthly Cost To Energy Ratio CI/EI*	(3) Metered Level KWH** Em	(4) Generation KWH*** (EI-Etee)	(5) Gen. KWH- Metered KWH For Mo. (4)-(3)	(6) Actual System Loss Costs/KWH	(7) Sys.Loss Costs/KWH In Base Rates Outside EFC
Jun-92	1.665911	1,660,165,900	1,769,282,883	109,116,983	0.109495	0.160395
Jul-92	1.661883	1,821,538,457	1,946,972,137	125,433,680	0.114440	0.160395
Aug-92	1.761945	1,776,582,961	1,898,582,046	121,999,085	0.120994	0.160395
Sep-92	1.621700	1,687,571,044	1,800,431,065	112,860,021	0.108455	0.160395
Oct-92	1.583898	1,759,223,442	1,880,625,330	121,401,888	0.109303	0.160395
Nov-92	1.602901	1,807,125,187	1,929,223,834	122,098,647	0.108300	0.160395

Column (6) = (CI/EI) [(EI - Etee) - Em]/Em = (2) [(5)/(3)]

## INCREMENTAL SYSTEM LOSS COST UTIL. RECOVERY OR (CONSUMER CREDIT) AMOUNT DETERMINATION

(1) Month	(8) Incremental System Loss Costs/KWH +(-) (8) = (6) - (7)	(9) Actual Net KWH Gen. & Purch. ****	(10) Mo.Max. Incr. SLC \$ Amount	(11) Efficiency Incentive Factor	Incentive \$ Amount	
					(12) Fcrf x Max. ISLC (\$ Amt.)	(13) Gccf x Max. ISLC (\$ Amt.)
Jun-92	(0.050900)	1,772,558,027	(902,232.04)	0.99998		(902,214.00)
Jul-92	(0.045955)	2,074,241,031	(953,217.47)	0.73605		(701,615.72)
Aug-92	(0.039401)	1,985,424,115	(782,276.96)	0.04995		(39,074.73)
Sep-92	(0.051940)	1,881,895,367	(977,456.45)	0.15193		(148,504.96)
Oct-92	(0.051092)	1,881,886,715	(961,493.56)	0.13788		(132,570.73)
Nov-92	(0.052095)	1,930,303,491	(1,005,591.60)	0.50704		(509,875.16)
BASE PERIOD SYSTEM LOSS COST UTIL. RECOVERY OR (CONSUMER CREDIT) AMOUNT:					(1)	(2,433,855.30)
					(5,582,268.08)	

## SYSTEM LOSS ADJUSTMENT RATE DETERMINATION (RE: Rule 4901:1-11-06(C)(4),OAC)

Incremental System Loss Cost to be Recovered by Utility when positive, or (Credited) to Consumers when negative:	\$ (5,582,268.08)	
Includable Net KWH Generated & Purchased (RE: 4901:1-11-04(H),OAC;ER-18-S,Fuel Component):	12,256,000,000	KWH
SYSTEM LOSS ADJUSTMENT RATE:	(0.045547)	c/KWH

\*Ratio of actual monthly fuel component cost incurred to monthly includable net kilowatt-hours generated and purchased RE: Rules 4901:1-11-04(B)(2) and -04(H),OAC; ER-10 Actual Data].

\*\*List hereon metered level KWH, Rule 4901:1-11-01(Q),OAC.

\*\*\*List hereon generation level KWH, Rule 4901:1-11-01(P),OAC corresponding to those metered level KWH, Rule 4901:1-11-01(Q),OAC [RE: Rule 4901:1-11-04(F),(G),(H)(2),OAC; Bottom ER-11 actual].

\*\*\*\*List actual includable net KWH's generated and purchased calculated in accordance with Rule 4901:1-11-04(H),OAC, [RE: ER-10 actual data].

(1) Amount to be refunded or collected by the utility pursuant to Commission orders

This Sheet Filed Pursuant to the Public  
Utilities Commission of Ohio  
Order No. 86-876-EL-ORD Date 02/20/87  
PUCO Form ER-16-S

By: C. A. Oberlin  
Title: Rates and Tariffs  
Supervisor

**ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM** 12/01/92 to 05/31/93  
**Company Name** OHIO POWER COMPANY  
**PURCHASED POWER SUMMARY (ESTIMATED) FOR BASE PERIOD FROM** 12/01/92 to 05/31/93

Page 1 of 1  
**Code** 020009

Pwr. Code	Amount Purchased (KWH)	Cost of Energy Purchased			
		Demand &/or Capacity Cost	Energy Cost	Fuel Cost	Total Costs
Total	2,220,000.00	0.00	0.00	37,899,000.00	0.00

Incl. Fuel \$37,899,000.00 + Incl. Fuel Rel: Demand \$0.00 + Net Energy 0.00 =  
 Total Incl. Purchased Energy Cost: \$37,899,000.00 (RE: Rule 4901: 1-11-04(D)(2),OAC)

**SALES FOR RESALE SUMMARY FOR BASE PERIOD**

12/01/92 to 05/31/93

Pwr. Code	Corresponding Energy Sold (KWH)		Charge for Energy Sold (\$)		
	Generation Level	Metered Level	Demand &/or Capacity Charge	Energy Charge	Fuel Charge
Total	10,387,000.00	0	0.00	0.00	166,823,000.00

Excl. Fuel Charge: \$166,823,000.00 + Excl. Energy Cost of Economic Power (RE: Rule 4901:1-11-04  
 (E)(2),OAC \$0.00 = Total Excludable Sales for Resale Charges: \$166,823,000.00

**ULTIMATE CONSUMERS SALES SUMMARY FOR BASE PERIOD FROM**

Pwr. Code	Corresponding Energy Sold		Charge for Energy Sold (\$)		
	Generation Level KWH*	Metered Sales KWH*	Demand &/or Capacity Chg.	Energy Charge	Fuel Charge
(A) Non-Juris. Ultimate Consumers Exclusion (RE: Rule 4901:1-11-04(F),(H)(2),OAC)					
(B) Special Contract Ultimate Consumers Exclusion (RE: Rule 4901:1-11-04(G),(H)(2),OAC)					
Total					
(C) Exempt From Exclusion (RE: Rule 4901:1-11-04(F),(G),(H)(2),OAC) Etee,Cee					
Total					

\*Show subtotals for individual Power Codes and totals for Category.

This Sheet Filed Pursuant to the Public  
 Utilities Commission of Ohio  
 Order No. 86-876-EL-ORD Date 02/20/87  
 PUOD Form ER-17-S

By: C. A. Oberlin  
 Title: Rates and Tariffs  
 Supervisor

**ELECTRIC UTILITY BASE PERIOD SUMMARY REPORT FROM**  
**Company Name** OHIO POWER COMPANY  
**ENERGY BALANCE SHEET (ESTIMATED)**

12/01/92 to 05/31/93  
 Code 020009

Page 1 of 1

ENERGY SOURCES & EXPENSE	Fuel Only Cost (\$)	Generation Level KWH	Fuel Only c/KWH
Fossil System Net Generation			
Nuclear System Net Generation			
Other System Net Generation			
Test Generation			
Purchased Energy			
Net Non-Monetary Interchange	////////////////		////////////////
Total Energy Available:			

ENERGY DISPOSITION & REVENUES	Fuel Only Charge (\$)	Metered Sales Level KWH	Fuel Only c/KWH
Sales to Ultimate Consumers			
Sales for Resale			
Total Sales:			
	Gen. Level KWH	EFC Rule Sales (Metered KWH)	
Company Used Energy		Juris. (14 & 18):	
Other Energy Disposed of or Lost		Non-Juris. (35):	
Total Energy Disposed:		Total	

**FUEL COMPONENT DETERMINATION**

CALCULATION OF FUEL COMPONENT	Includable Cost \$	Corr. Gen. Level KWH	Rate c/KWH
Actual From _____ To _____			
Includable: Fossil System Net Gen:\$/KWH			
Nuclear System Net Gen:\$/KWH			
Other System Net Gen:\$/KWH			
Purchased Energy:\$/KWH			
Excludable: Sales for Resale:\$/KWH			
Ultimate Consumers Sales:			
Non-Jur. Ultimate Cons:\$/KWH			
Special Contract Jur:\$/KWH			
Estimated From 12/01/92 to 05/31/93			
Includable: Fossil System Net Gen:\$/KWH	378,783,000.00	23,927,000,000	1.583078
Nuclear System Net Gen:\$/KWH	0.00	0	-
Other System Net Gen:\$/KWH	0.00	86,000,000	0.000000
Purchased Energy:\$/KWH	37,899,000.00	2,220,000,000	1.707162
Excludable: Sales for Resale:\$/KWH	166,823,000.00	10,387,000,000	1.606075
Ultimate Consumers Sales:			
Non-Jur. Ultimate Cons:\$/KWH			
Special Contract Jur:\$/KWH	48,467,000.00	3,590,000,000	1.350056
Fuel Component (FC)	201,392,000.00	12,256,000,000	1.643211

**EFC RATE DETERMINATION**

Fuel Component (FC) from above	1.643211
Ohio Coal Research and Development Component (OCRDC) from ER-19-S	0.100000
Fuel Component Reconciliation Rate (RA) from ER-15-S	0.060714
System Loss Adjustment (SLA) from ER-16-S	(0.045547)
EFC Rate Pursuant to Chapter 4901:1-11,OAC:**	1.758378

\*EFC Rate = Fuel Component (FC) +(-) Ohio Coal Research and Development Component (OCRDC)  
 +(-) Reconciliation Adj. (RA) +(-) System Loss Adj. (SLA).

\*\*EFC Rate Applicable to Prospective Billings Beginning 06/01/93

This Sheet Filed Pursuant to the Public  
 Utilities Commission of Ohio  
 Order No. 86-876-EL-ORD Date 02/20/87  
 PUDD Form ER-18-S

By: C. A. Oberlin  
 Title: Rates and Tariffs  
 Supervisor

## OHIO COAL RESEARCH AND DEVELOPMENT COMPONENT

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 12/01/92 TO 05/31/93

Company Name: Ohio Power Company Code: 020009

Project: Tidd Plant PFBC

Project Total Costs: \$209,328,000 (Estimated)

## RECONCILIATION OF OHIO COAL RESEARCH AND DEVELOPMENT COSTS:

* Month		
Total Expenditure:		
Company Funds Spent:		S E E
Loans:		
Loan Guarantee:		A T T A C H E D
Grant (State):		
Grant (Federal):		
Company Absorbed Costs:		
Cost To Be Refunded:		
Net (OCRDC) Costs:		

** Net Ohio Coal Research and Development Costs	\$	11,477,622.10	
Inverse Rm/g		1.067817	
Amount of Ohio Coal Research and Development Cost to be recovered by utility or (credited) to consumer at the includable cost level C'OCRD	\$	12,256,000.00	
Includable Net KWH Generated & Purchased (RE: Rule 4901:1-11-04(H)OAC)ER-18-S Eib		12,256,000,000	KWH
Ohio Research and Development (OCRD) Rate C'OCRD \$/Eib		0.001000	\$/KWH

\* File Monthly  
 \*\* File Semi-Annually

This Sheet Filed Pursuant to the Public Utilities Commission Of Ohio  
 Order No. 86-876-EL-ORD Date 02/20/87

By: C. A. Oberlin  
 Title: Rates and Tariffs Supervisor

PUCD Form ER-19-S

ER-19-S  
ATTACHMENT

RECONCILIATION OF OHIO COAL RESEARCH AND DEVELOPMENT COSTS:

BEGINNING BALANCE	SIX MONTH PERIOD: 06/01/92-11/30/92		ENDING BALANCE
SIX MONTH TOTAL			
TOTAL EXPENDITURE:	170,889,544	8,703,131	179,592,675
COMPANY FUNDS SPENT:	170,889,544	8,703,131	179,592,675
LOANS:	(56,358,041)	(945,546)	(57,303,587)
LOAN GUARANTEE:	0	0	0
GRANT (STATE):	(10,000,000)	0	(10,000,000)
GRANT (FEDERAL):	0	0	0
CUSTOMER COLLECTIONS:	(89,447,626)	(10,663,796)	(100,111,422)
COMPANY ABSORBED COSTS:	15,083,877	(2,906,211)	12,177,666
COST TO BE REFUNDED:	0	0	0
NET (OCRDC) COSTS:	15,083,877	(2,906,211)	12,177,666

ER-19-S  
ATTACHMENT

CUMULATIVE TOTAL

CUMULATIVE TOTAL

PERIOD

06/01/92 11/30/92

	MONTH 1	MONTH 2	MONTH 3	MONTH 4	MONTH 5	MONTH 6	SIX MONTH TOTAL
TOTAL EXPENDITURE:	1,213,592	1,198,452	2,895,440	875,123	798,878	1,721,646	8,703,131
COMPANY FUNDS SPENT:	1,213,592	1,198,452	2,895,440	875,123	798,878	1,721,646	8,703,131
LOANS:	(122,176)	(178,018)	(231,780)	(157,577)	(144,516)	(111,479)	(945,546)
LOAN GUARANTEE:	0	0	0	0	0	0	0
GRANT (STATE):	0	0	0	0	0	0	0
GRANT (FEDERAL):	0	0	0	0	0	0	0
CUSTOMER COLLECTIONS:	(1,671,258)	(1,695,470)	(1,733,651)	(1,747,110)	(1,664,627)	(2,151,680)	(10,663,796)
COMPANY ABSORBED COSTS:	(579,842)	(675,036)	930,009	(1,029,564)	(1,010,265)	(541,513)	(2,906,211)
COST TO BE REFUNDED:	0	0	0	0	0	0	0
NET (OCRDC) COSTS:	(579,842)	(675,036)	930,009	(1,029,564)	(1,010,265)	(541,513)	(2,906,211)

**Company Ex. \_\_\_\_\_**  
**BEFORE THE PUBLIC UTILITIES COMMISSION OF OHIO**  
**CASE NO. 93-01-EL-EFC**  
**SUBMITTED FEBRUARY 12, 1993**  
**VOL. II OF II**  
**DATA SUBMISSION FILED**  
**PURSUANT OF SECTION 4909.191 (B)**  
**OHIO REVISED CODE**



August 25, 1992

Mr. Raymond Strom  
Supervisor, Electric Fuel Recovery  
Public Utilities Commission of Ohio  
180 E. Broad Street  
Columbus, Ohio 43266-0573

Dear Mr. Strom:

Enclosed are the monthly Electric Rate (ER) forms for the month of June, 1992, submitted pursuant to guidelines established by Chapter 4901-01-11 of the Ohio Administrative Code.

We are also preparing a tape which will provide data to the ADP/MIS Division for June, 1992 in the uniform Electronic Data Processing readable format established by the Commission.

Very truly yours,

A handwritten signature in cursive script that reads "C. A. Oberlin".

C. A. Oberlin  
Rates & Tariffs Supervisor

CAO:jcm

Enclosures

c: AIS Manager - PUCO (w/o enc.)  
Kelly Young - OCC (w/enc.)



ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009 PUCO TARIFF: 15  
 DATE EFF : 12/01/91

ENERGY SOURCES FOR JUNE 1992 (MO.) FUEL EXPENSE (SAME MONTH) JUNE 1992  
 SYSTEM NET GENERATION 3539400000.KWH; FUEL COST ICGI \$ 56066350.00; 1.584064 \$/KWH  
 TEST GENERATION 22187000.KWH; FUEL COST ICGI \$ 0 \$/KWH  
 PURCHASED ENERGY \* 544235000.KWH; INCL. COST (CPI) \$ 9400503.67; 1.543543 \$/KWH  
 TOTAL AVAILABLE \*\* 4110992000.KWH; NET INTERCHANGE\*\*\* (IN) (OUT) 51700000.KWH  
 LOAD FACTOR: MONTHLY 71.4 %; DAILY PEAK DAY 85.2 %; PEAK DAY GEN. LOAD 5418. MW  
 UNIT COST, SYSTEM NET GENERATION PLUS KWH OF PUMPED STORAGE OPERATIONS; 1.584064 \$/KWH

ENERGY DISPOSITION (SAME MONTH):  
 SALES TO UTL. CONSUMERS 1729030680.KWH; FUEL CHG. \$ 29923043.77; 1.730625 \$/KWH  
 SALES FOR RESALE 1711744000.KWH; FUEL CHG. \$ 26712944.26; 1.560569 \$/KWH  
 OTHER EXCLUDED SALES 599322973.KWH; FUEL CHG. \$ 8224663.79; 1.372303 \$/KWH  
 TOTAL SALES 3998146808.KWH; FUEL CHG. \$ 64914074.44; 1.623604 \$/KWH  
 COMPANY USED ENERGY 0 KWH; ENERGY LOSSES 112845192. KWH  
 TOTAL DISPOSED 4110992000.KWH; ENERGY LOSSES AS % OF TOTAL (FIRM) 2.745 %

MONTHLY ELEMENTS OF FUEL COMPONENT :  
 INCLUDABLE FUEL COSTS (ICI), \$ 29529245.62 ; INCLUDABLE ENERGY (EI), 1725558027. KWH  
 C1/EI, 1.665911 \$/KWH = MONTHLY RATIO OF \$/KWH PURSUANT TO FUEL COMPONENT  
 WEIGHTED AVERAGE THERMAL EFFICIENCY (KWH/MBTU) FOR FOSSIL FUELED SYSTEM :  
 THIS MONTH (ITEM) 102.4169 ; QUARTERLY (TEQ) 103.2390 ; LAST 12 MONTHS (TEA) 102.5970  
 HEAT INPUT 34410383.MBTU. MTG. AVG. CONSUMED (FC) FUEL COST 162.934397 \$/MMBTU  
 (A) FOB PLANT COST 163.576169 \$/MMBTU. (B) TRANSPORTATION COST 6.670960 \$/MMBTU  
 (C) CHANGE IN FOB PLANT COST SINCE LAST PERIOD -3.490172 \$/MMBTU; -2.089093 %

FUEL RATE APPLICABLE TO BILLINGS FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 RATE CATEGORY 1 \*\*\*\*\* 2 3  
 1.730650

APPLICABLE SCHEDULE: DOES NOT INCLUDE SYSTEM LOSSES UNLESS OTHERWISE NOTED.

BASE FUEL RATE (\$/KWH)

PER LAST RATE CASE

BASE FUEL RATE (\$/MMBTU)

PER LAST RATE CASE

COMBINED (FC + RA)

RATE \$/KWH

ALLOWABLE EFC RATE

\$/KWH \*\*\*\*\*

ENERGY SALES AND REVENUES FOR THE PERIOD FROM 06/01/92 TO 06/30/92

SALES IN THIS CATEGORY,

FOR THE PERIOD (KWH),

COMBINED (FC / RA) FUEL COST

RECOVERY FOR PERIOD (\$)

TOTAL EFC RATE FUEL COST

RECOVERY FOR PERIOD (\$)

\* ALL ENERGY ACCOUNTED FOR ON A MONETARY BASIS.

\*\* INTERCHANGES INCLUDE (IN) OR EXCLUDED (OUT)

\*\*\* OTHER THAN FIRM DELIVERIES, ACCOUNTED FOR ON OTHER THAN MONETARY BASIS.

\*\*\*\* FILE ALL EFC RATES ON THIS FORM.

\*\*\*\*\* PURSUANT TO CHAPT. 4901:1-11, OAC.

EFC RATE = FUEL COMPONENT (FC) +-  
 RECONCILIATION ADJUSTMENT (RA) +-  
 SYSTEM LOSS ADJUSTMENT (SLA)

\*\*\*\*\* LIST PUCO JURIS. RATES FIRST.

\*\*\*\*\* SAME RECOVERY PERIOD AS ER-5.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

PUCO FORM ER - 1

BY: C.A. OBERLIN

TITLE: RATES & TARIFFS

SUPERVISOR

EXHIBIT I

Special Contract Jurisdictional Customers  
Exclusion of Energy and Fuel Charges  
For the Period 06/01/92 thru 06/30/92

Customer App-4 Fuel

Portion of fuel billed reflecting cost to acquire it and transport it to the generating plant	\$4,251,512
---	-------------

Customer App-5 Fuel

Portion of fuel billed reflecting cost to acquire it and transport it to the generating plant	<u>3,952,540</u>
---	------------------

TOTAL FUEL CHARGES TO BE EXCLUDED	\$8,204,052
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MWH

Customer App-4 Energy

Energy including losses	371,965
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Customer App-5 Energy

Energy including losses	<u>226,213</u>
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TOTAL ENERGY TO BE EXCLUDED	598,178
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ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
COMPANY NAME OHIO POWER COMPANY CODE 020009 PUCO TARIFF: 15  
DATE EFF: 12/01/91

GENERATION SUMMARY FOR THIS PERIOD JUNE 1992 (CALENDAR MONTH)  
PLANT CODE GENERATION FOR TEST KWH NET GENERATION NET GEN. INCLUDABLE NET GENERATION  
FUEL COST/KWH  
FUEL COST/KWH

SEE ATTACHED

TOTAL  
SYSTEM

FUEL RATE \* APPLICABLE TO BILLINGS FOR THE PERIOD FROM 06/01/92 TO 06/30/92

RATE CATEGORY 1 2 3

APPLICABLE SCHEDULE(S) APP 4 APP 5 APP 6

BASE FUEL RATE \$/MBTU 39.90000

NET HEAT RATE, BTU/KWH  
FIXED LAST RATE CASE 9600.0000

BASE FUEL RATE \$/KWH 0.383040

INCREMENTAL UNIT \$ 0.1

INCREMENTAL UNITS ABOVE  
(OR BELOW) BASE RATE \*\*\*\*\*

CHANGES PER KWH PER  
INCREMENT \$ 0.99996

FUEL RATE \$/KWH \*\*\*\*\*

TOTAL FUEL \*\*\*\*\*

ENERGY SALES AND REVENUES FOR PRIOR PERIOD FROM 06/01/92 TO 06/30/92 \*\*

SALES IN THIS CATEGORY  
FOR PRIOR PERIOD (KWH) 370105000 221439411 0.

FUEL COST RECOVERY  
(4) FOR PRIOR PERIOD 4251512.35 3952539.55 0.00

\* FILE ONLY NON-JURISDICTIONAL, NON-EFC, NON-FCA, RATES ON THIS FORM.

\*\* SAME RECOVERY PERIOD AS ER-5.

\*\*\* NET GENERATION FUEL COSTS INCLUDE PHYSICAL INVENTORY ADJUSTMENTS, AND FUEL COSTS OF PUMPED STORAGE OPERATIONS.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C.A. OBERLIN

TITLE: RATES & TARIFFS

SUPERVISOR

PUCO FORM ER-2

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009 PUCO TARIFF: 15  
 DATE EFF: 12/01/91

## GENERATION SUMMARY FOR THIS PERIOD JUNE 1992 (CALENDAR MONTH)

PLANT CODE	FOR TEST KWH	GENERATION NET KWH	HEAT RATE BTU/KWH	NET GEN. INCLUDABLE	FUEL COST \$ ***	NET GENERATION FUEL COST/KWH **
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SEE ATTACHED

TOTAL SYSTEM

FUEL RATE \* APPLICABLE TO BILLINGS FOR THE PERIOD FROM 06/01/92 TO 06/30/92

RATE CATEGORY 1 2 3

## APPLICABLE SCHEDULE(S)

APP 7	APP 8	APP 9
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BASE FUEL RATE \$/MBTU 180.00000 17.50000 18.00000

NET HEAT RATE, BTU/KWH 9838.0000 9600.0000 9600.0000

FIXED LAST RATE CASE

BASE FUEL RATE \$/KWH 2.160000 0.183750 0.189000

INCREMENTAL UNIT \$ 0.1 0.5 0.1

INCREMENTAL UNITS ABOVE (OR BELOW) BASE RATE -132. \*\*\*\*\* 0.

CHANGES PER KWH PER INCREMENT \$ 0.00120 0.00525 0.00525

FUEL RATE \$/KWH -0.15840 \*\*\*\*\* 0.00000

TOTAL FUEL 2.00160 \*\*\*\*\* 0.18900

SALES IN THIS CATEGORY FOR PRIOR PERIOD (KWH) 983178 0 1949.

FUEL COST RECOVERY (\$) FOR PRIOR PERIOD 19278.97 0.00 3.68

\* FILE ONLY NON-JURISDICTIONAL, NON-EFC, NON-FCA, RATES ON THIS FORM.

\*\*\* SAME RECOVERY PERIOD AS ER-5.

\*\*\* NET GENERATION FUEL COSTS INCLUDE PHYSICAL INVENTORY ADJUSTMENTS, AND FUEL COSTS OF PUMPED STORAGE OPERATIONS.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C.A. OBERLIN

RATES &amp; TARIFFS

SUPERVISOR

PUCO FORM ER-2

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009 PUCO TARIFF: 15  
 DATE EFF: 12/01/91

GENERATION SUMMARY FOR THIS PERIOD JUNE 1992 (CALENDAR MONTH)

PLANT CODE	GENERATION FOR TEST KWH	NET GENERATION KWH	HEAT RATE BTU/KWH	NET GEN. INCLUDABLE FUEL COST \$ ***	NET GENERATION FUEL COST/KWH \$/KWH ***
------------	-------------------------	--------------------	-------------------	--------------------------------------	---

SEE ATTACHED

TOTAL SYSTEM

FUEL RATE \* APPLICABLE TO BILLINGS FOR THE PERIOD FROM 06/01/92 TO 06/30/92

RATE CATEGORY	1	2	3
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APPLICABLE SCHEDULE(S)	APP 10	APP 11	APP 12
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BASE FUEL RATE \$/MBTU	89.20000	14.19693	14.20763
------------------------	----------	----------	----------

NET HEAT RATE, BTU/KWH FIXED LAST RATE CASE	9600.0000	1.0256	1.0374
--	-----------	--------	--------

BASE FUEL RATE \$/KWH	1.043640	16.698000	16.902000
-----------------------	----------	-----------	-----------

INCREMENTAL UNIT \$	0.1	0.0	0.0
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INCREMENTAL UNITS ABOVE (OR BELOW) BASE RATE	776.	0.	0.
---	------	----	----

CHANGES PER KWH PER INCREMENT \$	0.00117	14.56037	14.73900
----------------------------------	---------	----------	----------

FUEL RATE \$/KWH	0.90792	-2.13763	-2.27087
------------------	---------	----------	----------

TOTAL FUEL	1.95156		
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SALES IN THIS CATEGORY  
FOR PRIOR PERIOD (KWH)

	68300	146351800	52475582.
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FUEL COST RECOVERY  
(\$) FOR PRIOR PERIOD

	1332.92	2131372.65	773437.13
--	---------	------------	-----------

\* FILE ONLY NON-JURISDICTIONAL, NON-EFC, NON-FCA, RATES ON THIS FORM.

\*\* SAME RECOVERY PERIOD AS ER-5.

\*\*\* NET GENERATION FUEL COSTS INCLUDE PHYSICAL INVENTORY ADJUSTMENTS, AND FUEL COSTS OF PUMPED STORAGE OPERATIONS.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C. A. OBERLIN

RATES & TARIFFS

TITLE: SUPERVISOR

PUCO FORM ER-2

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009 PUCO TARIFF: 15  
 DATE EFF: 12/01/91

GENERATION SUMMARY FOR THIS PERIOD JUNE 1992 (CALENDAR MONTH)

PLANT CODE	GENERATION FOR TEST KWH	NET GENERATION KWH	NET HEAT RATE BTU/KWH	NET GEN. INCLUDABLE FUEL COST \$ ***	NET GENERATION FUEL COST/KWH \$/KWH ***
------------	-------------------------	--------------------	-----------------------	--------------------------------------	---

SEE ATTACHED

TOTAL SYSTEM

FUEL RATE \* APPLICABLE TO BILLINGS FOR THE PERIOD FROM 06/01/92 TO 06/30/92

RATE CATEGORY	1	2	3
---------------	---	---	---

APPLICABLE SCHEDULE(S)

APP 13	APP 14	APP 15
--------	--------	--------

BASE FUEL RATE \$/MBTU

15.25815	15.25815	
----------	----------	--

NET HEAT RATE, BTU/KWH  
FIXED LAST RATE CASE

1.0611	1.0840	
--------	--------	--

BASE FUEL RATE \$/KWH

11.000000	11.000000	
-----------	-----------	--

INCREMENTAL UNIT \$

0.0	0.0	
-----	-----	--

INCREMENTAL UNITS ABOVE  
(OR BELOW) BASE RATE

0.	0.	
----	----	--

CHANGES PER KWH PER  
INCREMENT \$

16.19042	16.53983	
----------	----------	--

FUEL RATE \$/KWH

5.44926	5.81610	
---------	---------	--

SALES IN THIS CATEGORY  
FOR PRIOR PERIOD (KWH)

9949	0	1474593618.
------	---	-------------

FUEL COST RECOVERY  
(\$ ) FOR PRIOR PERIOD

161.08	0.00	23808134.48
--------	------	-------------

\* FILE ONLY NON-JURISDICTIONAL, NON-EFC, NON-FCA, RATES ON THIS FORM.

\*\* SAME RECOVERY PERIOD AS ER-5.

\*\*\* NET GENERATION FUEL COSTS INCLUDE PHYSICAL INVENTORY ADJUSTMENTS, AND FUEL COSTS OF PUMPED STORAGE OPERATIONS.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C. A. OBERLIN

RATES & TARIFFS

PUCO FORM ER-2

TITLE:

SUPERVISOR

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009 PUCO TARIFF: 15  
 DATE EFF: 12/01/91

## GENERATION SUMMARY FOR THIS PERIOD JUNE 1992 (CALENDAR MONTH)

PLANT CODE	GENERATION FOR TEST KWH	NET GENERATION KWH	HEAT RATE BTU/KWH	FUEL COST \$ ***	NET GEN. INCLUDABLE	NET GENERATION FUEL COST/KWH

SEE ATTACHED

TOTAL SYSTEM

FUEL RATE \* APPLICABLE TO BILLINGS FOR THE PERIOD FROM 06/01/92 TO 06/30/92

RATE CATEGORY	1	2	3
APPLICABLE SCHEDULE(S)	APP 13	APP 14	APP 15

BASE FUEL RATE \$/MBTU

15.25815

15.25815

NET HEAT RATE, BTU/KWH  
FIXED LAST RATE CASE

1.0611

1.0840

BASE FUEL RATE \$/KWH

11.000000

11.000000

INCREMENTAL UNIT \$

0.0

0.0

INCREMENTAL UNITS ABOVE  
(OR BELOW) BASE RATE

0.

0.

CHANGES PER KWH PER  
INCREMENT \$

16.19042

16.53983

FUEL RATE \$/KWH

5.44926

5.81610

SALES IN THIS CATEGORY  
FOR PRIOR PERIOD (KWH)

9949

0

1474593618.

FUEL COST RECOVERY

(\$) FOR PRIOR PERIOD

161.08

0.00

23808134.48

\* FILE ONLY NON-JURISDICTIONAL; NON-EFC, NON-FCA, RATES ON THIS FORM.

\*\* SAME RECOVERY PERIOD AS ER-5.

\*\*\* NET GENERATION FUEL COSTS INCLUDE PHYSICAL INVENTORY ADJUSTMENTS, AND FUEL COSTS OF PUMPED STORAGE OPERATIONS.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C. A. OBERLIN

RATES &amp; TARIFFS

SUPERVISOR

PUCO FORM ER-2

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009 PUCO TARIFF: 15  
 DATE EFF: 12/01/91

GENERATION SUMMARY FOR THIS PERIOD JUNE 1992 (CALENDAR MONTH)  
 PLANT CODE GENERATION NET NET GEN. INCLUDABLE NET GENERATION  
 FOR TEST KWH KWH FUEL COST FUEL COST/KWH  
 KWH BTU/KWH \$ \*\*\* \$/KWH \*\*\*

SEE ATTACHED

TOTAL  
SYSTEM

FUEL RATE \* APPLICABLE TO BILLINGS FOR THE PERIOD FROM 06/01/92 TO 06/30/92

RATE CATEGORY 1 2 3

APPLICABLE SCHEDULE(S) APP 16 APP 17 APP

BASE FUEL RATE \$/MBTU 15.25815

NET HEAT RATE, BTU/KWH  
FIXED LAST RATE CASE 1.0599

BASE FUEL RATE \$/KWH 19.660995

INCREMENTAL UNIT \$ 0.0

INCREMENTAL UNITS ABOVE  
(OR BELOW) BASE RATE 0.CHANGES PER KWH PER  
INCREMENT \$ 16.17211

FUEL RATE \$/KWH -3.73762 1.73065

SALES IN THIS CATEGORY  
FOR PRIOR PERIOD (KWH) 0 3077333FUEL COST RECOVERY  
(\$ ) FOR PRIOR PERIOD 0.00 53257.86

\* FILE ONLY NON-JURISDICTIONAL, NON-EFC, NON-FCA, RATES ON THIS FORM.

\*\* SAME RECOVERY PERIOD AS ER-5.

\*\*\* NET GENERATION FUEL COSTS INCLUDE PHYSICAL INVENTORY ADJUSTMENTS, AND FUEL COSTS OF PUMPED STORAGE OPERATIONS.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C. A. OBERLIN

RATES &amp; TARIFFS

TITLE:

SUPERVISOR

PUCO FORM ER-2



OHIO POWER COMPANY EXHIBIT TO PUCB FORM ER-2 RUN 07/09/92

GENERATION SUMMARY FOR JUNE 1992

PLANT CODE	PLANT TEST GENERATION KWH	PLANT NET GENERATION KWH	THIS MONTH BTU/KWH	NET HEAT RATE 12 MOS BTU/KWH	AUG 1992	NET GENERATION FUEL COST CENTS/KWH
020034		1,323,957,000	9,716,3030	9,748,3467		1.576839
020039		561,427,000	9,812,7878	9,819,1478		1.827472
020036		585,711,000	9,976,4474	9,790,1301		1.746599
020035		384,256,000	9,820,8928	9,674,1531		1.142988
021036		427,904,000	9,310,6530	9,575,7709		1.372665
021037		96,416,000	9,939,4727	9,711,8851		1.554648
021035		142,554,000	10,197,9598	9,932,6226		2.038711
020038	22,187,000	0.000	0.0000	0.0000		0.000000
022512		13,193,000	0.0000	0.0000		0.000000
TOTAL	22,187,000	3,539,400,000	9,764,8129	9,746,8711		1.584064

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009

MAJOR FOSSIL FUEL SUMMARY FOR THE SYSTEM FROM 06/01/92 TO 06/30/92

1. COAL				2. MID. DISTILLATE(#1,2,& KEROSENE)			
INVENTORY	TONS	\$ COST	\$/TON	GALLONS	\$ COST	\$/GAL.	
On Hand-Beg. (a)	6,559,507	255,414,286	38.94	4,401,663	3,086,321	0.70	
Added During (b)	1,271,266	49,227,441	38.72	1,020,406	706,771	0.69	
Total (a+b) (c)	7,830,773	304,641,727	38.90	5,422,069	3,793,092	0.70	
Used During* (d)	1,463,905	55,358,629	37.82	1,032,985	707,721	0.69	
On Hand-End* (e)	6,366,868	249,283,098	39.15	4,389,084	3,085,371	0.70	
ADJ. CONSUMPTION*							
BTU Value* (f)	Avg. 11,704	BTU/lb 161.5c/MMBTU		Avg. 137,700	BTU/Gal 497.5c/MMBTU		
Adj. BTU's* (g)	Total	34,268,141	Million BTU	Total	142,242	Million BTU	

3. HEAVY OILS (#4,5,6,& Crude Oil)				OTHER			
INVENTORY	GALLONS	\$ COST	\$/GAL.	U.M.	\$ COST	\$/U.M.	
On Hand-Beg. (a)							
Added During (b)							
Total (a+b) (c)							
Used During* (d)							
On Hand-End* (e)							
ADJ. CONSUMPTION*							
BTU Value* (f)	Avg.	BTU/Gal	c/MMBTU	Avg.	BTU/CF	c/MMBTU	
Adj. BTU's* (g)	Total		Million BTU	Total		Million BTU	

☐ ACTUAL CONSUMPTION ☐ PROJECTED CONSUMPTION  
 PLANT SUMMARY OF FOSSIL FUEL CONSUMPTION BY TYPE FOR THE PERIOD FROM 06/01/92 TO 06/30/92 \*\*\*\*

PLANT NO.	FUEL TYPE	QUANTITY** TON, GAL, MCF	BTU/LB, BTU/GAL, OR BTU/CU. FT.	MILLION BTU CONSUMED***	FUEL COST*** \$(FOB PLANT)	HEAT COST c/MMBTU***
020039	1	225,194	12,159	5,476,268	10,100,467	184.440699
	2	236,293	139,215	32,896	159,454	484.721547
				5,509,164	10,259,921	186.233719
020036	1	251,012	11,520	5,783,316	9,931,861	171.732982
	2	440,506	136,204	59,999	298,745	497.916632
				5,843,315	10,230,606	175.082226
021037	1	38,089	12,525	954,129	1,455,739	152.572556
	2	65,938	136,742	9,016	43,190	479.037267
				963,145	1,498,929	155.628592
020035	1	155,450	12,134	3,772,461	4,385,648	116.254297
	2	9,194	138,814	1,276	6,351	497.727273
				3,773,737	4,391,999	116.383283
SYSTEM TOTALS				CONTINUED NEXT	PAGE	

\*Adjusted Consumption, Used During, and On Hand-End include Physical Inventory Adjustment(s). See Form ER-12

\*\*For each plant list quantity by fuel type. (Company portion of jointly owned plants)

\*\*\*List MMBTU Consumed, Fuel Cost, and Heat Cost both by fuel type and all-fuel Plant Totals; all-fuel System Totals.

\*\*\*\*Plant consumption listed does not include physical inventory adjustments.

This Sheet Filed Pursuant to the Public  
 Utilities Commission of Ohio  
 Order No. 86-876-EL-ORD Date 02/20/87  
 PUCO FORM ER-3

BY: C. A. OBERLIN

TITLE: RATES & TARIFFS SUPERVISOR

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009

MAJOR FOSSIL FUEL SUMMARY FOR THE SYSTEM FROM 06/01/92 TO 06/30/92

## 1. COAL

## 2. MID. DISTILLATE(#1,2,&amp; KEROSENE)

## INVENTORY

	TONS	\$ COST	\$/TON	GALLONS	\$ COST	\$/GAL.
On Hand-Beg. (a)						
Added During (b)						
Total (a+b) (c)						
Used During* (d)						
On Hand-End* (e)						

## ADJ. CONSUMPTION\*

BTU Value* (f)	Avg.	BTU/lb	c/MMBTU	Avg.	BTU/Gal	c/MMBTU
Adj. BTU's* (g)	Total	Million BTU		Total	Million BTU	

## 3. HEAVY OILS (#4,5,6,&amp; Crude Oil)

## OTHER

## INVENTORY

	GALLONS	\$ COST	\$/GAL.	U.M.	\$ COST	\$/U.M.
On Hand-Beg. (a)						
Added During (b)						
Total (a+b) (c)						
Used During* (d)						
On Hand-End* (e)						

## ADJ. CONSUMPTION\*

BTU Value* (f)	Avg.	BTU/Gal	c/MMBTU	Avg.	BTU/CF	c/MMBTU
Adj. BTU's* (g)	Total	Million BTU		Total	Million BTU	

☐ ACTUAL CONSUMPTION ☐ PROJECTED CONSUMPTION

PLANT SUMMARY OF FOSSIL FUEL CONSUMPTION BY TYPE FOR THE PERIOD FROM 06/01/92 TO 06/30/92 \*\*\*\*

PLANT NO.	FUEL TYPE	QUANTITY** TON,GAL,MCF	BTU/LB,BTU/GAL, OR BTU/CU. FT.	MILLION BTU CONSUMED***	FUEL COST*** \$(FOB PLANT)	HEAT COST c/MMBTU***
020034	1	569,277	11,303	12,869,076	20,829,701	161.858559
	2	104,548	137,005	14,324	78,500	548.031276
				12,883,400	20,908,201	162.287913
021036	1	165,767	11,996	3,977,082	5,839,568	146.830465
	2	50,263	138,942	6,984	34,120	488.545246
				3,984,066	5,873,688	147.429485
021035	1	59,116	12,144	1,435,809	2,815,645	196.101640
	2	126,243	140,579	17,747	87,361	492.257846
				1,453,556	2,903,006	199.717520
SYSTEM TOTALS				34,410,383	56,066,350	162.934397

\*Adjusted Consumption, Used During, and On Hand-End include Physical Inventory Adjustment(s). See Form ER-12

\*\*For each plant list quantity by fuel type. (Company portion of jointly owned plants)

\*\*\*List MMBTU Consumed, Fuel Cost, and Heat Cost both by fuel type and all-fuel Plant Totals; all-fuel System Totals.

\*\*\*\*Plant consumption listed does not include physical inventory adjustments.

This Sheet Filed Pursuant to the Public

Utilities Commission of Ohio

Order No. B6-876-EL-ORD Date 02/20/87

PUCO FORM ER-3

BY: C. A. OBERLIN

TITLE: RATES & TARIFFS SUPERVISOR

C-7

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009

PURCHASED POWER SUMMARY FOR JUNE 1992 (MONTH, YEAR)

* POWER CODE	PURCHASED FROM	AMOUNT OF ENERGY PURCHASED KWH	COST OF ENERGY PURCHASED			RATE PAID	
			DEMAND & CAPACITY COST \$	ENERGY COST \$	FUEL COST \$	TOTAL COST \$	TOTAL RATE ¢/KWH

SEE ATTACHMENT TO ER - 11

TOTAL 544235000. 114242.00 9483308.67 7666305.10 859750.67 1.408638 1.579749

\* SUBTOTAL BY POWER CODE

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

P U C O F O R M E R - 4

BY: C. A. OBERLIN

TITLE: RATES & TARIFFS

SUPERVISOR

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009

SALES FOR RESALE SUMMARY * FOR JUNE 1992		(MONTH, YEAR)		CHARGE FOR ENERGY SOLD		RATE CHARGED	
ENERGY SOLD							
** POWER SOLD CODE	TO	GENERATION LEVEL KWH	METERED LEVEL KWH	DEMAND & CAPACITY CHARGE \$	ENERGY CHARGE \$	FUEL CHARGE \$	TOTAL CHARGE \$
						ACTUAL FUEL RATE \$/KWH	
						TOTAL RATE \$/KWH	

SEE ATTACHMENT TO ER - 11

TOTAL 1711744000. 1673451000. 12754309.62 29783536.45 26049294.10 42537846.07 1.556621 2.541923

\* ALL SALES FOR RESALE, INCLUDING ALL INTERCHANGES ACCOUNTED FOR ON A MONETARY BASIS.  
 \*\* SUBTOTAL BY POWER CODE.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO  
 ORDER NO. 86-876-EL-ORD DATE 02/20/87

P U C C O F O R M E R - 4 - 1

BY: C.A. OBERLIN  
 TITLE: RATES & TARIFFS  
 SUPERVISOR

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92  
 COMPANY NAME OHIO POWER COMPANY CODE 020009

TRANSMISSION FOR OTHERS - IN. SUMMARY \* FOR JUNE 1992 (MONTH, YEAR)  
 COST OF ENERGY, IN

P	FROM	KILOWATT HOURS IN	DEMAND &/OR CAPACITY COST \$	ENERGY COST \$	FUEL COST \$	TOTAL COST \$
C						

50 SEE ATTACHED

TOTAL	462341000.	513017.83	800354.04	572998.46	1313371.87
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NON-MONETARY INTERCHANGES - IN \*

09 SEE ATTACHED

TOTAL	6471000.
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TRANSMISSION FOR OTHERS - OUT SUMMARY \* (SAME MONTH, YEAR)  
 CHARGE FOR ENERGY, OUT

P	TO	KILOWATT HOURS OUT **	CAPACITY CHARGE \$	ENERGY CHARGE \$	FUEL CHARGE \$	TOTAL CHARGE \$
C						

51 SEE ATTACHED

TOTAL	462341000.	513017.83	800354.04	572998.46	1313371.87
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NON-MONETARY INTERCHANGES - OUT \*

19 SEE ATTACHED

TOTAL	1301000.
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\* THE TRANSACTIONS ON THIS PAGE ARE NOT INCLUDED IN THE EFC COMPUTATION.  
 \*\* ADJUSTED TO GENERATION LEVEL WHERE REQUIRED.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO  
 ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C. A. OBERLIN  
 TITLE: RATES & TARIFFS  
 SUPERVISOR

PUCO FORM ER - 4 - 2

OHIO POWER COMPANY EXHIBIT TO MONTHLY REPORT FORM ER-4-2

INTERCHANGE - IN, SUMMARY FOR THE PERIOD 1 THRU 30 JUN 1992

TC COMPANY	MWH	DEMAND	ENERGY	FUEL	TOTAL	FUEL \$/KWH	FUEL \$/KWH	TOTAL \$/KWH	MWH
09 020008	5,026	.00	.00	.00	.00	0.000000	0.000000	0.000000	5,026
09 021112	107	.00	.00	.00	.00	0.000000	0.000000	0.000000	107
09 022097	1,338	.00	.00	.00	.00	0.000000	0.000000	0.000000	1,338
SUBTOTAL	6,471	.00	.00	.00	.00	0.000000	0.000000	0.000000	6,471

TRANSMISSION FOR OTHERS - IN, SUMMARY FOR THE PERIOD 1 THRU 30 JUN 1992

TC COMPANY	MWH	DEMAND	ENERGY	FUEL	TOTAL	FUEL \$/KWH	FUEL \$/KWH	TOTAL \$/KWH	MWH
50 020007	34,341	101,400.00	742,466.57	572,998.46	843,866.57	1.668554	1.668554	2.457315	34,341
50 021051	371,247	.00	.00	.00	.00	0.000000	0.000000	0.000000	371,247
50 022522	56,753	411,617.83	57,887.47	.00	469,505.30	0.000000	0.000000	0.827278	56,753
SUBTOTAL	462,341	513,017.83	800,354.04	572,998.46	1,313,371.87	0.123934	0.123934	0.284069	462,341

INTERCHANGE - OUT, SUMMARY FOR THE PERIOD 1 THRU 30 JUN 1992

TC COMPANY	MWH	DEMAND	ENERGY	FUEL	TOTAL	FUEL \$/KWH	FUEL \$/KWH	TOTAL \$/KWH	MWH
19 020008	16	.00	.00	.00	.00	0.000000	0.000000	0.000000	16
19 022097	1,285	.00	.00	.00	.00	0.000000	0.000000	0.000000	1,285
SUBTOTAL	1,301	.00	.00	.00	.00	0.000000	0.000000	0.000000	1,301

TRANSMISSION FOR OTHERS - OUT, SUMMARY FOR THE PERIOD 1 THRU 30 JUN 1992

TC COMPANY	MWH	DEMAND	ENERGY	FUEL	TOTAL	FUEL \$/KWH	FUEL \$/KWH	TOTAL \$/KWH	MWH
51 020000	5,100	.00	.00	.00	.00	0.000000	0.000000	0.000000	5,100
51 020002	11,358	.00	.00	.00	.00	0.000000	0.000000	0.000000	11,358
51 020004	49,977	.00	.00	.00	.00	0.000000	0.000000	0.000000	49,977
51 020007	36,618	101,400.00	742,466.57	572,998.46	843,866.57	1.564799	1.564799	2.304512	36,618
51 020008	81,127	.00	.00	.00	.00	0.000000	0.000000	0.000000	81,127
51 020009	217,350	.00	.00	.00	.00	0.000000	0.000000	0.000000	217,350
51 020005	4,058	.00	.00	.00	.00	0.000000	0.000000	0.000000	4,058
51 022522	56,753	411,617.83	57,887.47	.00	469,505.30	0.000000	0.000000	0.827278	56,753
SUBTOTAL	462,341	513,017.83	800,354.04	572,998.46	1,313,371.87	0.123934	0.123934	0.284069	462,341

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 06/01/92 TO 06/30/92

COMPANY NAME OHIO POWER COMPANY CODE 020009

## SALES TO ULTIMATE CONSUMERS

FUEL COST RECOVERY SUMMARY FOR THE PERIOD FROM 06/01/92 TO 06/30/92 \*\*

RESIDENTIAL	REVENUES, \$	KWH SALES	¢/KWH *	COMMERCIAL	REVENUES, \$	KWH SALES	¢/KWH *
APP 3	6737831.81	389349916	1.730534	APP 3	4682391.92	270545489	1.730723
TOTAL:	6737831.81	389349916	1.730534	TOTAL:	4682391.92	270545489	1.730723

INDUSTRIAL	REVENUES, \$	KWH SALES	¢/KWH *	PUB AUTH	REVENUES, \$	KWH SALES	¢/KWH *
APP 3	17237641.63	996030079	1.730635	APP 3	1189614.89	68738986	1.730626
APP 4	4251512.35	370105000	1.148731	APP 17	53044.85	3065025	1.730650
APP 5	3952539.55	221439411	1.784930	APP 6	0.00	0	0.000000
				APP 9	0.00	0	0.000000
				APP 13	161.08	9949	1.619042
				APP 14	0.00	0	0.000000
				APP 14	0.00	0	0.000000
				APP 16	0.00	0	0.000000
				APP 16	0.00	0	0.000000
TOTAL:	25441693.53	1587576490	1.602551	TOTAL:	1242820.82	71813960	1.730612

STREET LT	REVENUES, \$	KWH SALES	¢/KWH *	ALL OTHERS	REVENUES, \$	KWH SALES	¢/KWH *
APP 3	75563.52	4366218	1.730640				
APP 7	19278.97	963178	2.001600				
APP 9	3.68	1949	0.189000				
APP 10	1532.92	68300	1.951560				
APP 17	213.01	12308	1.730662				
TOTAL:	96392.10	5411953	1.781096	TOTAL:			

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO  
ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C.A. OBERLIN  
RATES & TARIFFS  
TITLE: SUPERVISOR

PUCO FORM ER-5



E F C R A T E

ELECTRIC UTILITY MONTHLY SUMMARY REPORT FOR THE PERIOD FROM 6/ 1/92 TO 6/30/92

COMPANY NAME OHIO POWER CODE 020009

SYSTEM FOSSIL FUEL PURCHASES SUMMARY BY SUPPLIER FOR THE PERIOD FROM 6/ 1/92 TO 6/30/92

SUPPLIER CODE	FUEL SOURCE	FUEL TYPE	QUANTITY * TON, GAL, MCF TOTAL MBTU	INVOICE TOTAL \$ COST FOB PLANT	INVOICE FOB PLANT COST \$/UNIT	TRANSPORTATION ** MODE UNIT COST	HEAT COST \$/MBTU
TOTAL OHIO:			1 754536	29661232	39.31	1.04	170.453506
TOTAL NON-OHIO:			1 702362	25972242	36.98	2.14	153.490494
COAL SUB-TOTAL:			1 1456900	55633474	38.19	1.57	162.090622
OTHER FUELS:							
SUB-TOTAL:			2 1094607	756901	0.69	0.00	501.222168
SUPPLIER TOTAL:			34473466	56390375.			163.576169
SYSTEM TOTALS:			ALL 34473466	56390375.			163.576169

VENDOR	MODE	OHIO?
10	9	
20	5	Y
170510	1	
183850	1	Y
451490	1	Y
458870	3	Y
458870	5	Y
102320	3	
102320	2	
796000	2	
216760	9	
225470	9	
286170	9	
458740	3	Y
20	9	
458870	9	
798000	1	
800000	9	
103160	1	
103990	2	Y
185590	2	Y
337220	1	Y
558370	2	Y

\* FOR EACH SUPPLIER LIST QUANTITY BY TYPE, BUT SHOWN TOTAL IN MILLION BTU.

\*\* LIST AVERAGE TRANSPORTATION & COSTS BY FUEL TYPE & UNIT OF MEASURE. LIST PLANT TOTAL IN \$/MBTU.

THIS SHEET FILED PURSUANT TO THE PUBLIC UTILITIES COMMISSION OF OHIO

ORDER NO. 86-876-EL-ORD DATE 02/20/87

BY: C. A. OBERLIN

RATES & TARIFFS

SUPERVISOR