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SOAH DOCKET NO. 473-04-6558  
DOCKET NO. 29801

2004 SEP 20 PM 3:05

APPLICATION OF SOUTHWESTERN § BEFORE THE STATE OFFICE  
PUBLIC SERVICE COMPANY FOR: (1) §  
RECONCILIATION OF ITS FUEL COSTS § OF  
FOR 2002 AND 2003; (2) A FINDING OF §  
SPECIAL CIRCUMSTANCES; AND (3) §  
RELATED RELIEF § ADMINISTRATIVE HEARINGS

SOUTHWESTERN PUBLIC SERVICE COMPANY'S  
RESPONSE TO OFFICE OF PUBLIC UTILITY COUNSEL'S  
SIXTH REQUEST FOR INFORMATION  
QUESTION NOS. 6-1 THROUGH 6-14  
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EXHIBITS ATTACHED:

Exhibit No. OPC6-2 (filename: OPC6-2.pdf).....20

SOAH Docket No. 473-04-6558; PUC Docket No. 29801  
Southwestern Public Service Company's Response to  
Office of Public Utility Counsel's Sixth Request for Information  
Page 1

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**SOAH DOCKET NO. 473-04-6558  
DOCKET NO. 29801**

<b>APPLICATION OF SOUTHWESTERN</b>	<b>§</b>	<b>BEFORE THE STATE OFFICE</b>
<b>PUBLIC SERVICE COMPANY FOR: (1)</b>	<b>§</b>	
<b>RECONCILIATION OF ITS FUEL COSTS</b>	<b>§</b>	<b>OF</b>
<b>FOR 2002 AND 2003; (2) A FINDING OF</b>	<b>§</b>	
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<b>RELATED RELIEF</b>	<b>§</b>	<b>ADMINISTRATIVE HEARINGS</b>

**SOUTHWESTERN PUBLIC SERVICE COMPANY'S  
RESPONSE TO OFFICE OF PUBLIC UTILITY COUNSEL'S  
SIXTH REQUEST FOR INFORMATION  
QUESTION NOS. 6-1 THROUGH 6-14**

Southwestern Public Service Company (SPS) files this response to Office of Public Utility Counsel's (OPC) Sixth Request for Information.

**I. WRITTEN RESPONSES.**

SPS's written responses to OPC's Sixth Request for Information are attached and incorporated by reference. Each response is stated on or attached to a separate page on which the request has been restated. SPS's responses are made in the spirit of cooperation without waiving SPS's right to contest the admissibility of any of these matters at hearing. Pursuant to P.U.C. PROC. R. 22.144(c)(2)(A), each response lists the preparer or person under whose direct supervision the response was prepared and any sponsoring witness. When SPS provides certain information sought by the request while objecting to the provision of other information, it does so without prejudice to its objection in the interests of narrowing discovery disputes pursuant to P.U.C. PROC. R. 22.144(d)(5). Pursuant to P.U.C. PROC. R. 22.144(c)(2)(F), SPS stipulates that its responses may be treated by all parties as if they were made under oath.

## II. INSPECTIONS.

If responsive documents are more than 100 pages but less than eight linear feet in length, the response will indicate that the attachment is VOLUMINOUS and, pursuant to P.U.C. PROC. R. 22.144(h)(2), the attachment will be made available for inspection at SPS's voluminous room at 1150 Capitol Center, 919 Congress Ave., Austin, Texas 78701, telephone number (512) 476-7137. If a response or the responsive documents are provided pursuant to the protective order in this docket, the response will indicate that it or the attachment is either CONFIDENTIAL or HIGHLY SENSITIVE as appropriate under the protective order. Highly sensitive responses will be made available for inspection at SPS's voluminous room, unless they form a part of a response that exceeds eight linear feet in length; then they will be available at their usual repository in accordance with the following paragraph. Please call in advance for an appointment to ensure that there is sufficient space to accommodate your inspection.

If responsive documents exceed eight linear feet in length, the response will indicate that the attachment is subject to the FREIGHT CAR DOCTRINE, and, pursuant to Commission Procedural Rule 22.144(h)(3), the attachment will be available for inspection at its usual repository, SPS's offices in Amarillo, Texas, unless otherwise indicated. SPS requests that parties wishing to inspect this material provide at least 48 hours' notice of their intent by contacting Steven D. Arnold of Hinkle, Hensley, Shanor & Martin, L.L.P., 1150 Capitol Center, 919 Congress Ave., Austin, Texas 78701; telephone number (512) 476-7137; facsimile transmission number (512) 476-7146. Inspections will be scheduled to accommodate all requests with as little inconvenience to the requesting party and to SPS's operations as possible.

XCEL ENERGY


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Respectfully submitted,

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ATTORNEYS FOR SOUTHWESTERN  
PUBLIC SERVICE COMPANY

## **RESPONSES**

### **QUESTION NO. 6-1:**

Please provide a copy of each annual audit of TUCO for the past five years (reference Barry Johnson prefiled direct p. 26 (Bates p. 333.)

### **RESPONSE:**

Refer to the Workpapers to Schedule FR-14 (WP/FR-14) at Bates Stamp page 930 - 943 for copies of the Xcel Energy audit of the TUCO/SPS Coal Supply Agreements for calendar years 2002 and 2003. Refer to Project No. 22645 for copies of prior years' Xcel Energy audits of the TUCO/SPS Coal Supply Agreements.

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**QUESTION NO. 6-2:**

Please provide more detail to your remarks that "now new coal-fired units are being announced for future construction almost every month," set out in Mr. Johnson's testimony at p. 28 (Bates p.335).

**RESPONSE:**

The referenced remarks were made as a result of SPS representatives maintaining fuel market awareness by reading trade publications, attending industry conferences, researching governmental energy data sources, discussions with suppliers and other market participants, and considering how the reported factors affect SPS's coal supply delivery chain. Refer to Exhibit Nos. OPC5-1 and OPC5-1(CONF), which is CONFIDENTIAL, for details of some of the coal fired units announced for future construction. Also, refer to Exhibit No. OPC6-2 for a copy of a recent presentation on behalf of the National Engineering Technology Laboratory confirming the recent growth in announcements of new coal-fired generating facilities.

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**QUESTION NO. 6-3:**

Does SPS have any documentation to support its remark referenced in the above RFI?

**RESPONSE:**

Yes. Refer to SPS's response to Question No. 6-2.

Preparer(s): Barry Johnson

Sponsor: Barry Johnson



**QUESTION NO. 6-4:**

If the answer to RFI No. 6-3 is yes, please identify each such document.

**RESPONSE:**

Refer to Exhibits No. OPC5-1, OPC5-1(CONF), which is CONFIDENTIAL, and OPC6-2.

Preparer(s): Barry Johnson

Sponsor: Barry Johnson

**QUESTION NO. 6-5:**

Please provide copies of each document, if any, identified in RFI No. 6-4.

**RESPONSE:**

Refer to Exhibit Nos. OPC5-1, OPC5-1(CONF), which is CONFIDENTIAL, and OPC6-2.

Preparer(s): Barry Johnson

Sponsor: Barry Johnson

**QUESTION NO. 6-6:**

Has SPS or TUCO or their agents performed an audit of Savage Industries' coal handling on behalf of TUCO since Savage has taken over the Wheelabrator (sic) operations?

**RESPONSE:**

Yes. TUCO has performed several audits of Savage Industries since Savage has taken over the Wheelabrator operations.

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**QUESTION NO. 6-7:**

If the answer to the above RFI is yes, please provide a copy of each such audit.

**RESPONSE:**

Refer to Exhibit No. CS-AG-1-9 for a copy of TUCO's independent accountant's Agreed Upon Procedures Report for the TUCO/Savage 2002 coal handling agreement transactions. Also refer to Exhibit No. CS-AG-1-9(SUPP1) for a letter from the independent accountant to TUCO which supplements the AUP Report for 2002.

For 2003, refer to SPS's response to Exhibit No. CS-AG-1-9(SUPP1) for a copy of the independent accountant's Agreed Upon Procedures Report for the TUCO/Savage 2003 coal handling agreement transactions. Finally, refer to Project No. 22645 for copies of audits covering periods outside of the Reconciliation Period.

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**QUESTION NO. 6-8:**

If the answer to RFI No. 6-6 is no, please explain why no audits were performed.

**RESPONSE:**

Not applicable.

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**QUESTION NO. 6-9:**

Are any of the SPS reviews referred to at p. 30, Ls 5 and 16 of Barry Johnson's testimony documented?

**RESPONSE:**

Reviewing TUCO's markup of the Savage coal handling invoice backup and the related disputed charges involves reading the TUCO-provided documents and, if necessary, having verbal communications with TUCO asking them to clarify the facts of the charge, the basis for disputing the charge, and the reasons for TUCO's final course of action. Refer to Attachment BJ-5 to the Direct Testimony of Barry Johnson for a summary of the disputed charges. Documents reviewed can be found in the Voluminous Workpapers to Attachment BJ-5 (WP/BJ-5).

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**QUESTION NO. 6-10:**

If the answer to RFI No. 6-9 is yes, please identify such documentation and provide a copy of each document.

**RESPONSE:**

Refer to SPS's response to OPC 6-9.

Preparer(s): Barry Johnson

Sponsor: Barry Johnson

**QUESTION NO. 6-11:**

Please provide a copy of TUCO's independent accountant report referred to at p. 30 (Bates 337), Ls 18-20 of Barry Johnson's testimony.

**RESPONSE:**

Refer to Exhibit CS-AG-1-9 and Exhibit CS-AG-1-9(SUPP1).

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson



**QUESTION NO. 6-12:**

When did TUCO engage an independent accountant for the 2003 report referenced at p. 30 (Bates p. 30) Ls 20-22 of Johnson's Direct Testimony? Please also explain why the accountant was not engaged sooner.

**RESPONSE:**

TUCO engaged Clifton Gunderson LLP on March 17, 2004, to perform the 2003 Agreed Upon Procedures report. Savage does not invoice TUCO for its December 2003 costs until mid-January 2004, and therefore some accounting records and related documentation for Harrington and Tolk coal handling costs invoiced to TUCO are not available until sometime after the end of the calendar period.

Also it is not prudent to start a review of financial documents prior to the "closing" of the books by the company being reviewed. Otherwise, you are reviewing documents that are subject to change. It is common for companies to close their books late in the first quarter after the close of the business year

Major accounting firms usually have all of their time committed to their client's tax return preparation until at least April 16<sup>th</sup> of each year. The accounting firms that TUCO considered for this work all stated that they could not start on the AUP until after the income tax deadline.

Furthermore, Clifton Gunderson LLP had not finished the AUP report for 2002 until late February 2004, and TUCO deemed it prudent to review and close the 2002 report before engaging an independent accountant firm to perform the AUP for the next year.

Preparer(s): Jon Kelly  
Sponsor: Barry Johnson

**QUESTION NO. 6-13:**

With reference to p. 35 (Bates 342), Ls 3-6 of Barry Johnson's testimony, is SPS stating that the savings attributed from its negotiations with Savage has not been included in this fuel reconciliation? Explain. In your explanation, please explain whether SPS has included any costs relating to its negotiation with Savage into this fuel reconciliation. Please identify where those costs, if any, are in SPS's application.

**RESPONSE:**

Some of the savings attributed to negotiations with Savage, specifically those cost reductions obtained as a result of the Third Amendment to the Harrington Master Coal Service Agreement, have been included in this fuel reconciliation. However, most of the savings related to negotiations with Savage have not been realized as fuel cost reductions during this reconciliation period, but will be obtained after finalization of the negotiated documents. Refer to Attachment JPH-2 for costs associated with these negotiations during the reconciliation period. These cost savings will be reflected in the respective fuel reconciliation periods. The "Taxes & Assessments" component of TUCO's price of coal to SPS includes the costs relating to these negotiations.

Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**QUESTION NO. 6-14:**

Please provide a copy of the settlement referenced at p. 42 (Bates 349) Ls 16-20 of Barry Johnson's testimony.

**RESPONSE:**

Refer to the Voluminous CONFIDENTIAL Workpapers to Schedule FR-7 (WP/FR-7(CONF)) at Bates Stamp pages C-1133a through C-1133j.

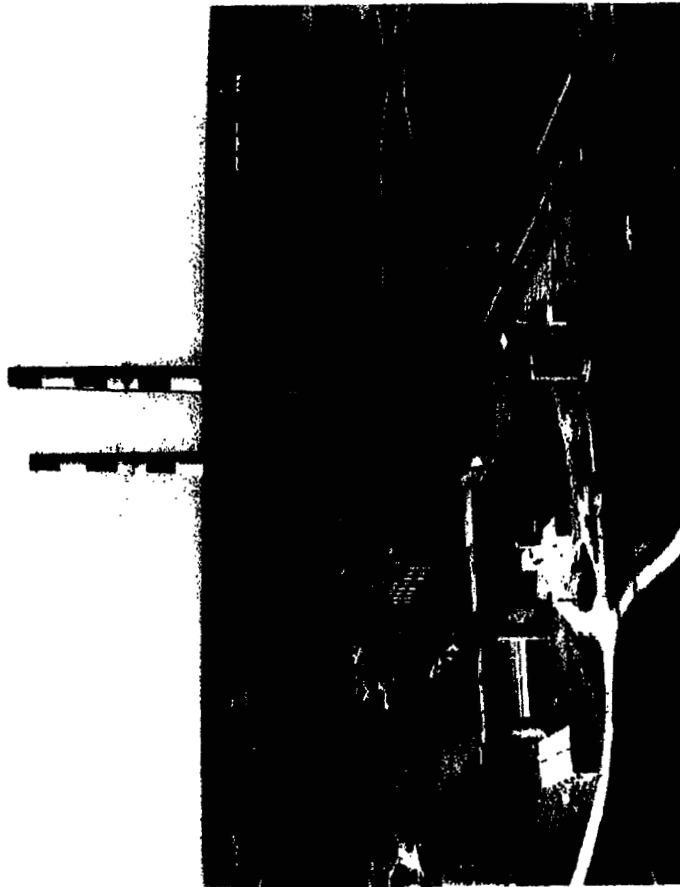
Preparer(s): Barry Johnson  
Sponsor: Barry Johnson

**Certificate of Service**

I certify that on the 25<sup>th</sup> day of September 2004, a true and correct copy of the foregoing instrument was served on all parties of record by hand delivery, Federal Express, regular first class mail, certified mail, or facsimile transmission.

Amy M. Shulh

# Tracking New Coal-Fired Power Plants



20

Coal's Resurgence in Electric



September 3, 2004



# Tracking New Coal-Fired Power Plants

This information package is intended to provide an overview of "Coal's Resurgence in Electric Power Generation" by examining proposed new coal-fired power plants that are under consideration. The results contained in this package are derived from information that is available from various tracking organizations and news groups. Although comprehensive, this information is not intended to represent every possible plant under consideration but is intended to illustrate the large potential that exists for new coal-fired power plants.

Proposals to build new power plants are often speculative and typically operate on "boom & bust" cycles, based upon the ever changing economic climate of power generation markets. As such, it should be noted that many of the proposed plants will not likely be built. For example, out of a total portfolio (gas, coal, etc) of 500 GW of newly planned power plant capacity announced last year, 91 GW have been already been scrapped or delayed<sup>1</sup>.

The Department of Energy does not guarantee the accuracy or suitability of this information.

Sources: 1 - Energy Central Daily & Wall Street Journal

NETL Contacts: Scott Klara, [klara@netl.doe.gov](mailto:klara@netl.doe.gov)

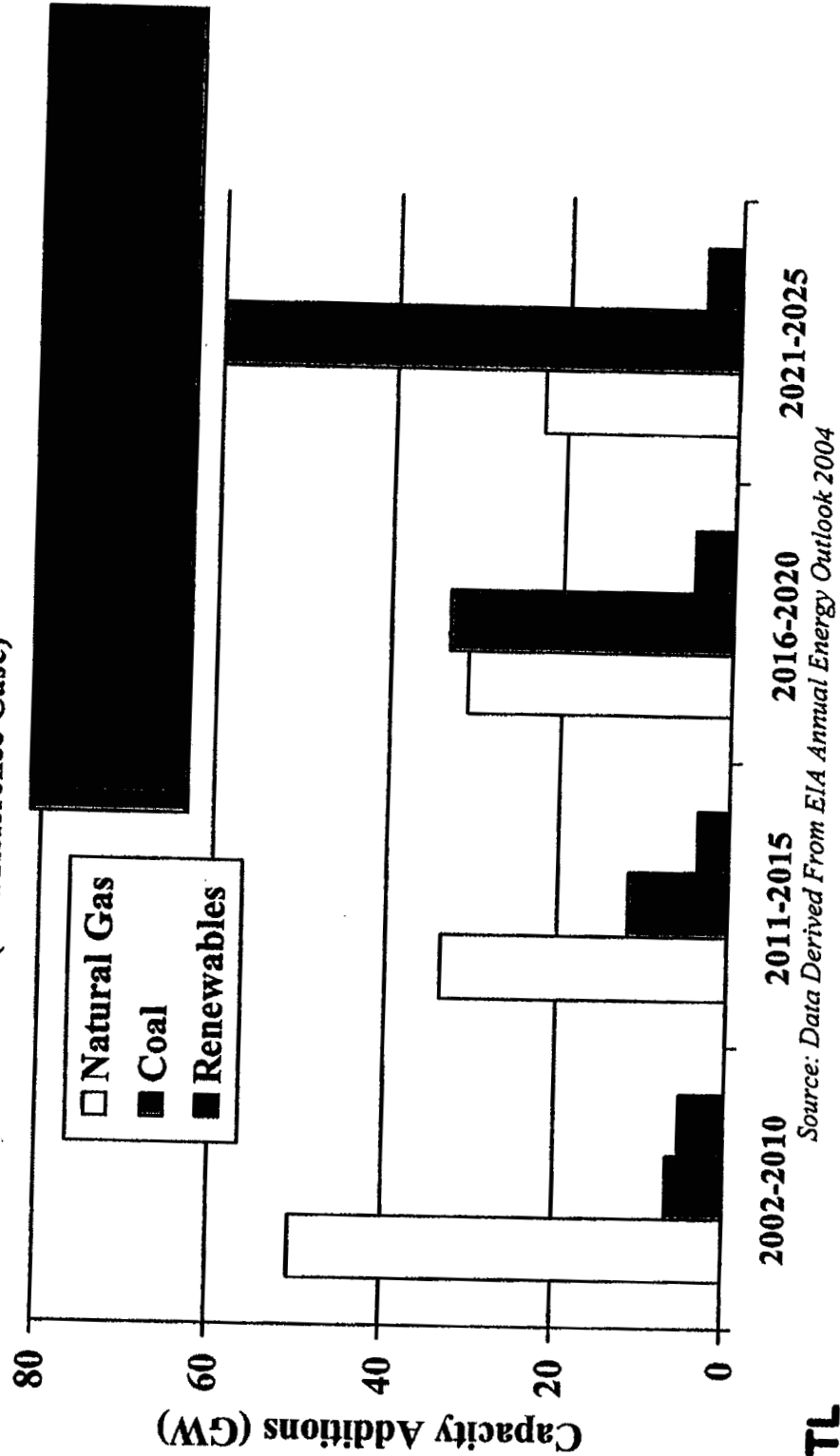
Erik Shuster, [erik.shuster@sa.netl.doe.gov](mailto:erik.shuster@sa.netl.doe.gov)

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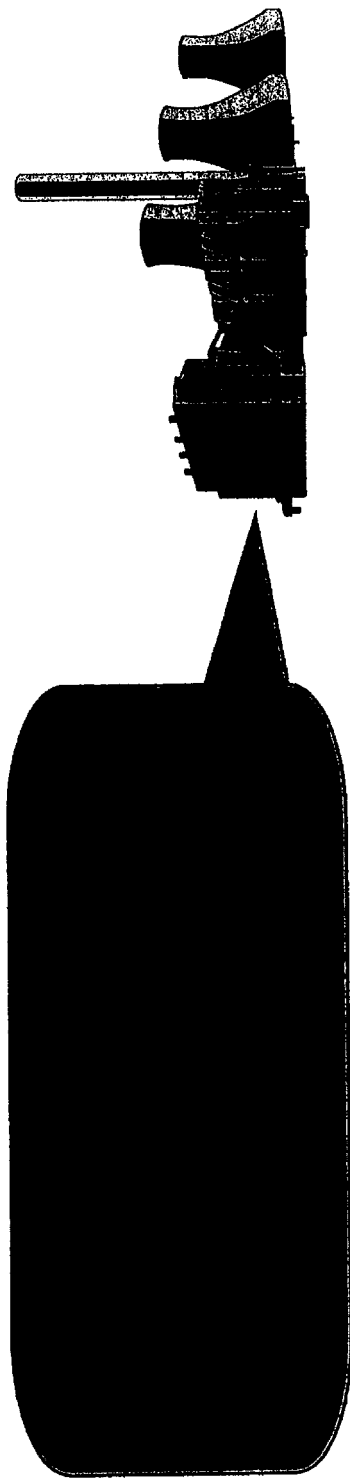
# 112 GW New Coal Capacity By 2025 (Accounts for 42% of New Capacity Additions)

## New Electricity Capacity Additions (EIA Reference Case)



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# Coal's Resurgence in Electric Power Generation



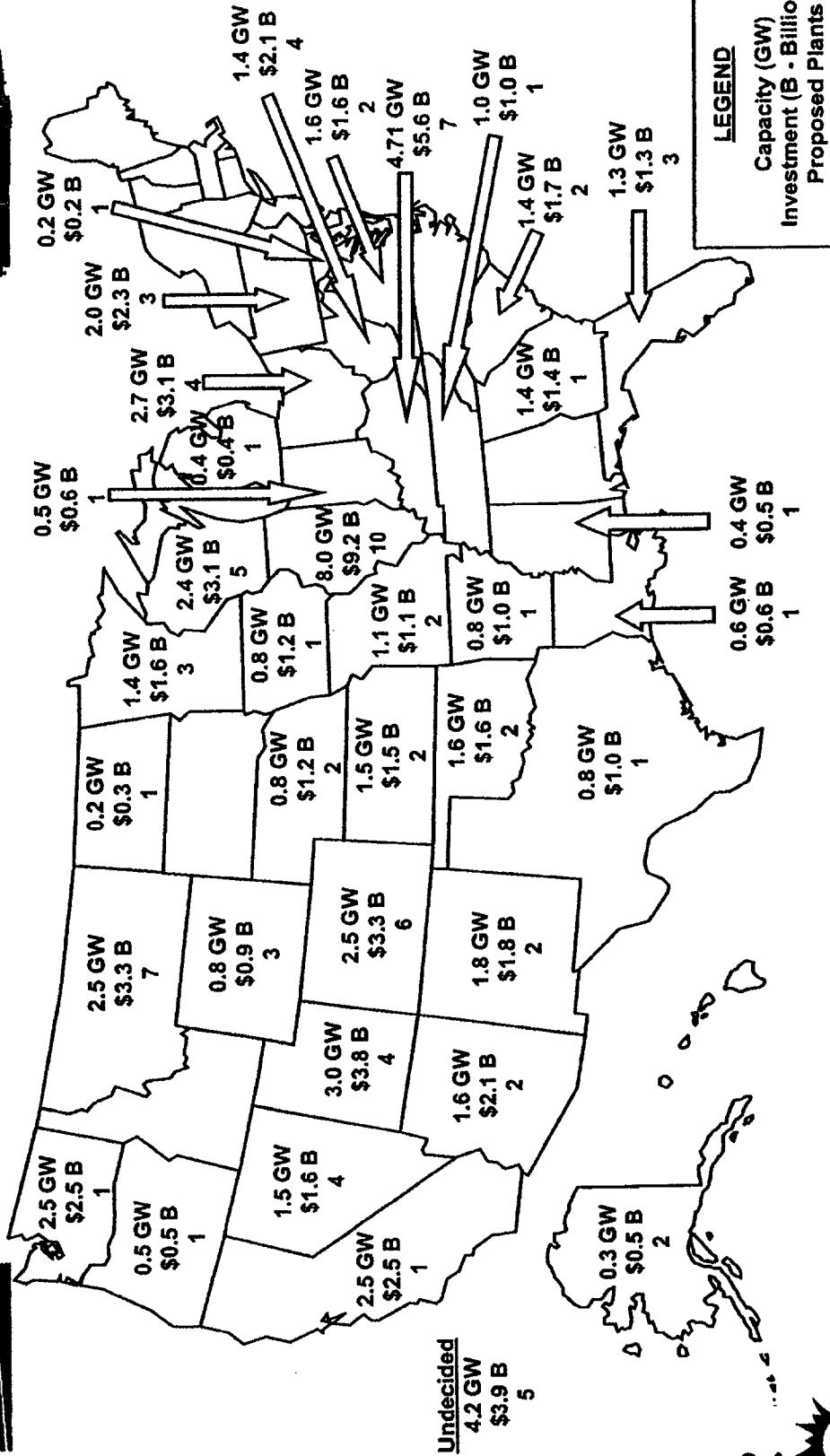


# Coal's Resurgence in Electric Power Generation

Equivalent Power  
for  
63 Million Homes

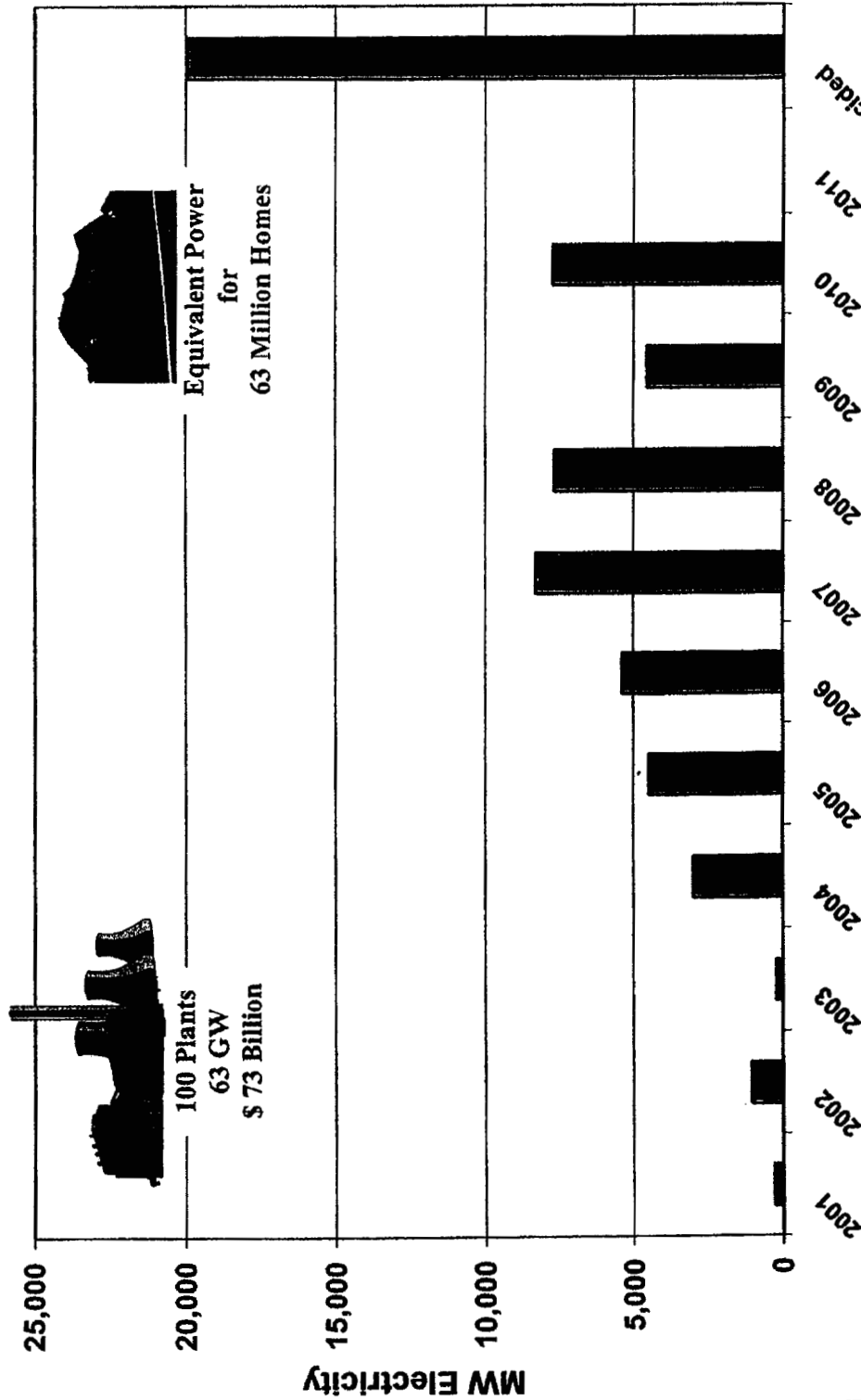
## Proposed New Plants

100 Plants  
63 GW  
\$ 73 Billion



# Coal's Resurgence in Electric Power Generation

## \*\* Annual Capacity Additions \*\*



NETL Contacts: Scott Klara, klara@netl.doe.gov  
Erik Shuster, erik.shuster@sa.netl.doe.gov

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# Coal's Resurgence State Summary

State	Plants	Capacity (MW)	% Capacity	Investment (Million \$)	% Investment
Alabama	0	0	0.0	\$0	0.0
Alaska	2	300	0.5	\$221	0.7
Arizona	2	1,600	2.6	\$2,139	2.9
Arkansas	1	800	1.3	\$1,000	1.4
California	1	2,500	4.0	\$2,500	3.4
Colorado	6	2,489	3.9	\$3,282	4.5
Florida	3	1,250	2.0	\$1,300	1.8
Georgia	1	1,400	2.2	\$1,400	1.9
Illinois	10	8,041	12.8	\$9,225	12.6
Indiana	1	600	0.8	\$600	0.8
Iowa	1	790	1.3	\$1,200	1.6
Kansas	2	1,510	2.4	\$1,510	2.1
Kentucky	7	4,650	7.4	\$5,637	7.7
Louisiana	1	600	1.0	\$600	0.8
Maryland	1	180	0.3	\$180	0.2
Michigan	1	425	0.7	\$425	0.6
Minnesota	3	1,375	2.2	\$1,550	2.1
Mississippi	1	440	0.7	\$500	0.7
Missouri	2	1,100	1.8	\$1,100	1.5
Montana	7	2,513	4.0	\$3,270	4.5
Nevada	4	1,465	2.3	\$1,615	2.2
Nebraska	2	820	1.3	\$1,200	1.6
New Mexico	2	1,800	2.9	\$1,800	2.5
North Dakota	1	175	0.3	\$300	0.4
Ohio	4	2,710	4.3	\$3,050	4.2
Oklahoma	2	1,600	2.6	\$1,600	2.2
Oregon	1	500	0.8	\$500	0.7
Pennsylvania	3	2,045	3.3	\$2,325	3.2
South Carolina	2	1,440	2.3	\$1,720	2.3
Tennessee	1	1,000	1.6	\$1,000	1.4
Texas	1	750	1.2	\$1,000	1.4
Utah	4	2,970	4.7	\$3,770	5.1
Virginia	2	1,600	2.6	\$1,600	2.2
Washington	1	2,500	4.0	\$2,500	3.4
West Virginia	4	1,435	2.3	\$2,055	2.8
Wisconsin	5	2,400	3.8	\$3,100	4.2
Wyoming	3	740	1.2	\$900	1.2
Undecided	5	4,200	6.7	\$5,380	7.3
<b>TOTALS</b>	<b>100</b>	<b>62,593</b>	<b>100</b>	<b>\$73,324</b>	<b>100</b>



100 Plants  
63 GW  
\$ 73 Billion



Equivalent Power  
for  
63 Million Homes



# Coal's Resurgence in Electric Power Generation

\*\* Database \*\*

SPONSOR	PROPOSED LOCATION	SIZE TECHNOLOGY	TIMING Status - (Date indicates latest reference) In Service - Planned Date	INVESTMENT	COAL SOURCE	SOURCES
TVA-Bellefonte Site	Alabama Jackson County	1500 MW IGCC Texaco	Cancelled (4/2003) In Service - 2005	~\$ 1.5 Billion	High Sulfur-Coal- Illinois Basin	8, 7, 9, 12
Nuvista	Alaska Bethel	100 MW	Proposed (3/2004) In Service - 2010	~ \$ 100 Million	Coal	11
Utiilelli Coal Mine Inc.	Alaska Healy	200 MW	Proposed (5/2003) In Service - TBD	\$ 421 Million	Coal	1
Reilant Resources Hopli Tribe	Arizona Not yet located	1,200 MW	Proposed (4/2002) In Service - 2008	~ \$ 1.2 Billion	low Sulfur Sub- bituminous	11
Tuscon Electric Power	Arizona Springerville	400 MW	Approved (11/2003) In Service - 2006	\$ 939 Million	Sub-Bituminous	2, 3, 4, 12
Alabama-Electric	Arizona Sumner County	500 MW	Cancelled In Service - 2007	~\$ 500 Million	Sub-Bituminous	9, 6
Fort Chaffee Authority	Arkansas Fort Chaffee	2 Plants 750 MW each	Cancelled In Service - 2007	\$ 2.5 Billion	Arkansas-Coal	11
LS Power Development	Arkansas Osceola	800 MW	Permitting (10/2003) In Service - 2008	\$ 1 Billion	Powder River Basin Coal	6, 9, 11
Fernald Power	California Humbolt City	2500 MW	Proposed (10/2001) In Service - TBD	~ \$ 2.5 Billion	Coal	11
Radar Acquisitions Corp. / Kiewit	Colorado	400 - 500 MW	Feasibility study (10/03) In Service - TBD	~\$500 Million	Coal	11
DOE	Colorado	150 MW CFB	On Hold (12/2003) In Service - 2008	\$275 Million	Coal	1, 11
Foster Wheeler Tri-State Generation and Transmission	Colorado Springs Colorado Front Range	1,000 MW	Proposed (8/2004) In Service - TBD	~\$1 Billion	Coal	1

Red text above indicates recent updates

Investment costs notated by "~" were unavailable and estimated by DOE at \$1000 per kW



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# Coal's Resurgence in Electric Power Generation

\*\* Database \*\*

SPONSOR	PROPOSED LOCATION	SIZE TECHNOLOGY	TIMING Status - (Date indicates latest reference) In Service - Planned Date	INVESTMENT	COAL TYPE	SOURCES
Lamar Light & Power Ark. River Power Auth.	Colorado Lamar	39 MW increase Conversion	Feasibility study (8/2004) In Service - TBD	\$67 Million	Coal to replace natural gas	2
Ark. State Generation and Transmission	Colorado Las Animas	3 Units 400 MW each	Cancelled (4/03) In Service - 2005-06-07	\$1.2 Billion	Coal	11, 4, 12
Xcel Energy	Colorado Pueblo	750 MW	Proposed (8/2004) In Service - 2009	\$1.3 Billion	Coal	1, 11
Deseret Generation & Transmission Corp.	Colorado Rangely	80 MW	On Hold (6/2004) In Service - 2004	\$ 140 Million	Waste Coal	1, 3, 12
Florida Municipal Power Agency	Florida Florida	500-600 MW	Considering (10/2002) In Service - 2009	\$ 600 Million	Coal	11
Florida Power & Light	Florida Crystal River	100 MW	Operational In Service - 2001	~ \$ 100 Million	Coal	12
Jacksonville Electric	Florida Duval	(2) 300 MW Units Combo cycle	Operational (7/2002) In Service - 2002	~ \$ 600 Million	Coal/Pet Coke	12, 3, 9
Lakeland Electric & Water	Florida Polk County	350 MW	Initiate - TBD In Service - TBD	~ \$ 300 Million	Coal	12
LS Power Development	Georgia Early County	1,200 - 1,500 MW	Permitting (8/2002) In Service - 2005	~ 1.4 Billion	Coal	6
Dynegy	Illinois Baldwin	2 Plants 650 MW each	Proposed (10/2001) In Service - 2007	\$ 1.5 Billion	Illinois Coal	1
Illinois Energy Group	Illinois Benton	2 units 750 MW each	Proposed (8/2002) In Service - TBD	\$ 1.7 Billion	Coal	11, 17
Com Belt Energy (DOE)	Illinois Elkhart	51 MW LEBS	Development (10/2003) In Service - 2004	\$ 140 Million	Waste Coal	1, 2, 8, 12

Red text above indicates recent updates

Investment costs notated by "-" were unavailable and estimated by DOE at \$1000 per kW



NETL Contacts: Scott Klara, klara@netl.doe.gov  
Erik Shuster, erik.shuster@sa.netl.doe.gov

OCES 09/03/2004

# Coal's Resurgence in Electric Power Generation

**\*\* Database \*\***

SPONSOR	PROPOSED LOCATION	SIZE TECHNOLOGY	TIMING Status - (Date Indicates latest reference) In Service - Planned Date	INVESTMENT	COAL TYPE	SOURCES
Turris Coal Company	Illinois Elkhart	25 - 35 MW	Proposed (10/2001) In Service - TBD	~ \$ 35 Million	Coal	11
Indeck Energy Service	Illinois Elwood	600 MW CFB	Final Permitting (10/2003) In Service - 2007	\$1 Billion	Illinois Coal	1, 12
Clean Coal Power Resources	Illinois Fayette County	2,400 MW Gasification	Proposal (10/2002) In Service - TBD	~ \$2.8 Billion	Coal	11
EnviroPower	Illinois Franklin County	500 MW	Permitting (5/2003) In Service - 2007	~ \$ 500 Million	Coal	8, 12
Southern Illinois Power	Illinois Marion	120 MW	Operational (6/2003) In Service - 2003	\$ 50 Million	Bituminous Coal Fines	8, 9, 12
Peabody	Illinois Washington City	2 units 750 MW each	Air Permt. Apprd. (3/2004) In Service - 2008	~ \$ 1.5 Billion	Illinois Coal High Sulfur	1, 11, 12
Prairie Energy Campus	Indiana Fayette County	525 MW	Development (7/2002) In Service - 2004	~ \$ 525 Million	Waste Coal	12, 8
EnviroPower	Indiana Pike County	500 MW	Initiate - 2004 Cancelled 2002	\$ 600 Million	Waste Coal	2, 5, 8, 9, 17
EnviroPower	Indiana Sullivan County	500 MW	Permitting - (10/2002) In Service - TBD	\$ 600 Million	Waste Coal	2, 5, 8, 9, 12
Alliant Energy	Iowa	450 MW	Development (5/2003) Cancelled - 2003	~ \$ 450 Million	Coal	12, 1
MidAmerican Energy	Iowa Council Bluffs	750 MW Supercritical	Construction (8/2004) In Service - 2007	\$ 1.2 Billion	Coal	13, 1, 8, 11
Sumflower Electric & International Energy	Kansas Garden City (Holcomb)	660 MW	Development (5/2003) In Service - 2006	~ \$660 Million	Coal	1, 11, 12



Red text above indicates recent updates

Investment costs notated by "-" were unavailable and estimated by DOE at \$1000 per kW

NETL Contacts: Scott Klara, klara@netl.doe.gov  
Erik Shuster, erik.shuster@sa.netl.doe.gov

OCES 09/03/2004

# Coal's Resurgence in Electric Power Generation

**\*\* Database \*\***

SPONSOR	PROPOSED LOCATION	SIZE TECHNOLOGY	TIMING Status - (Date indicates latest reference) In Service - Planned Date	INVESTMENT	COAL TYPE	SOURCES
Kansas City Power & Light	Kansas	725 MW	In Service - TBD	~ \$ 725 Million	Coal	8
Great Plains Energy	Kansas	850 MW	On Hold (7/2004) In Service - TBD	~ \$ 850 Million	Coal	1
EnviroPower	Kentucky Calvert City	500 MW	In Service - TBD	\$ 600 Million	Coal & Waste Coal	1, 2
Peabody Group "Thoroughbred"	Kentucky Central City/Muhlenberg	2 Units 750 MW each	Approved (8/2004) In Service - 2007	\$ 2.1 Billion	Western Kentucky High Sulfur Coal	1, 3, 9, 12, 16
Estill County Energy Partners	Kentucky Estill County	110 CFB	Proposed (7/2004) In Service - 2008	\$ 150 Million	Waste Coal	11, 2, 18
Cash Creek Generation	Kentucky Henderson City	1,000 MW	Permitting (11/2001) In Service - 2006	\$ 1 Billion	Coal	1
Kentucky Mountain Power (EnviroPower)	Kentucky Knott County	525 MW	Suspended (4/2004) In Service - 2006	\$ 600 Million	Waste Coal & Near Coal	1, 2, 9, 12, 18
East Kentucky Power co-op	Kentucky Maysville	260 MW COB	Construction (6/2004) In Service - 2005	\$ 367 Million	Coal	15, 8, 12
Global - Kentucky Pioneer Energy - DOE	Kentucky Clark County	540 MW IGCC	Delayed (6/2004) In Service - 2004	~ \$ 520 Million	20% Coal 80% Waste	12, 1, 11, 18
LG&E	Kentucky Trimble County	732 MW	Proposal (12/2003) In Service - 2008	\$900 Million	Coal	11, 1
Powergen	Louisiana New Roads	675 MW	Cancelled - 2007	~ \$ 675 Million	Illinois Basin Coal	12
NRG Energy	Louisiana Pointe Coupee	600 MW	Initiate - 2001 In Service - 2006	~ \$ 600 Million	Coal	2

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# Coal's Resurgence in Electric Power Generation

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AES Corporation	Maryland Cumberland	180 MW CFB	Operational In Service - 2001	~ \$ 180 Million	Maryland Coal	2, 7
Manitowish Waterworks Tondur Corp.	Michigan Manistee	425 MW	Proposed (7/2004) In Service - TBD	~ \$ 425 Million	Coal	2
Great River Energy	Minnesota Dakota County	250-500 MW IGCC or CFBC	Proposed (2/2002) In Service - 2008	~ \$500 Million	Coal	11
Minnesota Power	Minnesota Grand Rapids	225 MW	Cancelled (8/2002) In Service - 2005	~ \$200 Million	Coal	8, 11
Excelsior Energy Mesaba Energy Project	Minnesota Northeastern	450 MW Gasification	Proposed (7/2004) In Service - 2010	\$450 Million	Coal	11, 19
Xcel Energy / LS Power	Minnesota Rosemount	550 MW	Preliminary (3/2003) In Service - TBD	~ \$ 600 Million	Coal	1, 2
Tractebel Power	Mississippi Choctaw County	440 MW	Operational In Service - 2002	\$ 500 Million	Lignite	2, 11, 12, 7
Springfield City Council	Missouri Springfield	275 MW Additional	Voters Reject (8/2004) In Service - 2007	~ \$ 250 Million	PRB Coal	11
Great Plains Power	Missouri Mexico	750 MW	(5/2004) In Service - 2005	~ \$750 Million	Coal	12, 1, 8
Great Plains Energy	Missouri Platte County	850 MW	Proposed (7/2004) In Service - 2010	~ \$ 850 Million	Coal	1
Composite Power	Montana Bear Creek	4 Plants 500 MW each	Cancelled (2/2003) In Service - 2004, 5, 8	\$ 1.5 Billion	Montana Coal	2, 8, 12
Bull Mountain Development	Montana Billings	2 Units 350 MW each	Near Construct. (8/2004) In Service - 2005, 6	~ \$ 700 Million	Coal	8, 12, 11

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Southern Montana Electric Gen & Trans	Montana Great Falls	250 MW	Proposed (6/2004) In Service - 2008	\$ 470 Million	Coal	21
Centennial Power	Montana Hardin	113 MW	Construction (8/2004) In Service - 2005	~ \$ 150 Million	Coal	11, 1, 8, 12
Great Northern Power Development / Kiewit	Montana Miles City	500 MW CFB	Proposal (8/2004) In Service - 2008	\$ 900 Million	Lignite (Wind also)	1, 2, 11, 12
Comanche Park LLC	Montana Yellowstone City	2 Plants 100 MW each	Development (7/2002) In Service - 2004-05	\$ 300 Million	Montana Coal	1
Bachtel / Kennecott Energy Nevada Power	Montana Undetermined	750 MW Phase I	Proposal (10/2003) In Service - 2010	~ \$ 750 Million	Montana (Mine-Mouth) Coal	11
	Nevada	500 MW	Feasibility Study (11/2003) In Service - 2010	~ \$ 500 Million	Coal	11, 2
Newmont Mining Corp.	Nevada Northern Nevada	200 MW	Considering (7/2004) In Service - 2007	~ \$ 200 Million	Coal	1
Barrick Gold	Nevada East of Reno	115 MW	Considering (7/2004) In Service - TBD	~ \$ 115 Million	Coal	1
White Pine Energy	Nevada White Pine County	500 to 800 MW	Considering (2/2004) In Service - 2010	~ \$ 0.6 - 1 Billion	Coal	1, 2
Hastings, Grand Island	Nebraska Hastings	220 MW	Proposal (11/2003) In Service - TBD	350 Million	Coal	2
Omaha Public Power District	Nebraska Nebraska City	600 MW	Approved (1/2004) In Service - 2009	\$ 850 Million	Powder River Basin	1, 11
Steag Power / Navajo Nation	New Mexico Farmington	1,500 MW	Proposal (11/2003) In Service - 2007	\$1.5 Billion	Coal	1, 2, 12

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Peabody Energy	New Mexico Star Lake	300 MW	Permitting stage (8/2004) In Service - 2006	~ \$ 300 Million	Coal	11, 12, 8
Montana Dakota Utility Westmoreland Power	North Dakota Gascayne	175 MW	Permitting (5/2004) In Service - 2010	\$ 300 Million	North Dakota Lignite	2, 3, 4, 8, 12
Great River Energy	North Dakota TBD	500 MW	Cancelled (1/2003) In Service - 2010	\$ 700 Million	North Dakota Lignite	11, 12, 1
Nordic Energy	Ohio Ashtabula	830 MW Cogeneration	Permitting (12/2002) In Service - 2006	\$1.2 Billion	Coal	8, 11
Dominion Energy	Ohio Conneaut	600 MW	Considering (7/2004) In Service - 2010	~ \$600 Million	Coal	11
Global Energy	Ohio Lima	560 MW IGCC	Permit/Develop (7/2002) In Service - 2004	\$ 550 Million	Coal Fines	1, 7, 3, 9, 11, 12
Sunoco	Ohio Scioto County	700 MW	Proposed (2001) In Service - TBD	~ \$ 700 Million	Coal	12
SynFuel	Oklahoma Enid	600 MW Gasification	Initiate - 2001 In Service - 2004	~ \$ 600 Million	Coal	8
LS Power Development	Oklahoma Sequoyah	1,000 MW	On Hold (8/2002) In Service - TBD	~ \$ 1 Billion	Coal	6, 8
PacifiCorp	Oregon	500 MW	Initiate In Service - 2004	~ \$ 500 Million	Coal	8
AES Corporation	Pennsylvania Beaver	800 MW	Cancelled In Service - TBD	~ \$ 800 Million	Coal	8
Reliant Energy	Pennsylvania Indiana	520 MW CFB	Construction (9/2004) In Service - 2004	\$ 800 Million	Waste Coal	1, 2, 8, 12



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			Status - (Date indicates latest reference)	In Service - Planned Date			
EnviroPower	Pennsylvania Somerset	525 MW	Initiate - 2002 In Service - TBD		~ \$525 Million	Coal	8
PA Energy Development Corp.	Pennsylvania Southwestern region	1000 MW	Proposed (4/2004) In Service - TBD		~ \$ 1 Billion	Coal	2
Santee Cooper	South Carolina Berkeley County	640 MW	Development (2/2004) In Service - 2007		\$ 720 Million	Coal	1, 12, 2
LS Power Development	South Carolina Marion City	500-1,100 MW	Permitting (8/2002) In Service - 2006		~ \$ 1 Billion	Coal	6, 11
CME North America Merchant Energy	Tennessee Chattanooga	1000 MW	Proposed (9/2001) In Service - 2007		~ \$ 1 Billion	Coal	8, 11, 12
Pickwick Power TVA	Tennessee Hardin County	1000 MW CFB	Cancelled (1/2003) In Service - 2004		\$400 Million	Coal	13, 11, 8, 12
City Public Service Board of San Antonio	Texas Calaveras Lake	750 MW	Permitting (2/2004) In Service - 2009		\$1 Billion	Coal	1, 11
San Antonio Public Service Bd.	Texas San Antonio	500 MW	Cancelled In Service - 2004		~ \$500 Million	Coal	14
Utah Associated Municipal Power System	Utah Delta	900 MW	Development (2/2003) In Service - 2008		~ \$1 Billion	Coal	10, 12
PacificCorp	Utah Emery	850 MW	Development (8/2003) In Service - 2009		\$ 800 Million	Coal	12, 2
Intermountain Power	Utah Delta	950 MW	Proposed (8/2004) In Service - 2010		~\$1.7 Billion	Coal	3, 4, 8, 12, 20
Nevco Energy	Utah Sigurd	270 MW CFB	Proposed (6/2004) In Service - 2008		~\$ 270 Million	Coal	11

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Duke Energy North America	Virginia Isle of Wight	700 MW Gasification	Cancelled (9/2002) In Service - 2008	\$ 800 Million	Coal	1
LS Power Development	Virginia Sussex County	1,600 MW	Permitting (8/2002) In Service - 2005	~ \$ 1.6 Billion	Coal	6, 8, 1
Dominion	Virginia	TBD	Proposed (7/2004) In Service - 2011	TBD	Coal	2
Composite Power	Washington Richland	2500 MW Refurbish old site	Assessment (8/2001) In Service - TBD	~ \$ 2.5 Billion	Coal	11
U.S. Electric Power Globetex	Washington Whatcom County	249 MW	Cancelled (4/2003) In Service - 2004	~ \$ 250 Million	Low Sulfur Coal Vancouver	1, 3, 4, 8, 12
GenPower LLC	West Virginia Monongalia County	600 MW	Permitting (5/2004) In Service - 2010	\$940 Million	Coal	2, 11
Western Greenbrier CO. Generation / DOE	West Virginia Greenbrier County	85 MW Advanced CFB	DOE Approved - (7/2004) In Service - 2008	\$215 Million	Waste Coal	1, 11
North American Power Group Ltd.	West Virginia Not yet located	300 MW	Proposal (2/2002) In Service - 2005	~ \$300 Million	Coal	14
Anker Energy	West Virginia Upshur County	450 MW	On Hold - (9/2002) In Service - 2006	\$ 600 Million	Central App. Coal & Waste Coal	1, 2, 12
Alliant Energy	Wisconsin	500 MW	Considering (5/2004) In Service - 2010	~ \$ 500 Million	Coal PBR	1, 9, 12
MidAmerican Energy	Wisconsin Cassville	200 MW	Proposal - (9/2002) In Service - TBD	~ \$ 250 Million	Coal	8, 12
Wisconsin Energy & Madison Gas	Wisconsin Oak Creek	2 Plants (re-activation) 600 MW each	Development (8/2004) In Service - 2009-10	\$ 1.6 Billion	Powder River Basin Sub-Bituminous	11, 1, 12, 2

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			Status - (Date indicates latest reference)	In Service - Planned Date			
Wisconsin Public Service Corp.	Wisconsin Wausau	500 MW	In Service - 2008	Development (6/2004)	\$750 Million	Coal	1, 2, 11
North American Power Group	Wyoming Campbell County	300 MW	In Service - 2008	Construction (7/2004)	\$ 450 Million	Powder River Basin Sub-Bituminous	4, 6, 7, 12
North American Power Group	Wyoming Campbell County	500 MW	Cancelled (2/2003)	In Service - 2005	\$ 750 Million	Powder River Basin Waste Coal	6, 12
Black Hills Corp.	Wyoming Gillette	90 MW	Operational (3/2003)	In Service - 2003	\$ 100 Million	Powder River Basin Sub-Bituminous	2, 4, 7, 12
Black Hills Corp.	Wyoming Gillette	500 MW	Development (5/2003)	In Service - 2005	~ \$ 350 Million	Powder River Basin Sub-Bituminous	2, 3, 4, 7, 12
American Electric Power	Undecided Eastern U.S.	1,000 MW IGCC	Proposed (9/2004)	In Service - 2010	1.5 Billion	Coal	1, 11
Dailyland Power Cooperative	Undecided Iowa or Wisconsin	350-550 MW	Considering (11/2003)	In Service - 2009-2014	~\$500 Million	Low Sulfur PRB and Colorado	11
Dominion Resources	Undecided	3 Plants 2,750 MW (total)	Initiate - TBD	In Service - TBD	~ \$ 3.3 Billion	Coal	7, 8

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