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States Energy Company and
Andalex Resources, Inc.

RECEIVED
'88 MAR 30 P4:28
UTAH PUBLIC
SERVICE COMMISSION

BEFORE THE PUBLIC SERVICE COMMISSION OF UTAH

IN THE MATTER OF THE APPLICATION OF UTAH POWER & LIGHT COMPANY, AND PC/UP&L MERGING CORP. (TO BE RENAMED PACIFICORP) FOR AN ORDER AUTHORIZING THE MERGER OF UTAH POWER & LIGHT COMPANY AND PACIFICORP INTO PC/UP&L MERGING CORP. AND AUTHORIZING THE ISSUANCE OF SECURITIES, ADOPTION OF TARIFFS, AND TRANSFER OF CERTIFICATES OF PUBLIC CONVENIENCE AND NECESSITY AND AUTHORITIES IN CONNECTION THEREWITH.	RESPONSE TO APPLICANTS' INTERROGATORIES AND REQUESTS FOR PRODUCTION OF DOCUMENTS TO UTAH INDEPENDENT COAL COMPANIES Case No. 87-035-27

Coastal States Energy Company and Andalex Resources, Inc. (the "Utah Independent Coal Companies") respond as follows to Applicants' Interrogatories and Requests for Production of Documents:

INTERROGATORY NO. 1: With respect to each expert with whom you have consulted or whom you have retained in connection with any of the issues in this proceeding, state the following:

(a) The identity of such expert;

(b) The date such expert was retained;

(c) His address;

(d) His area of purported expertise;

(e) His educational background, formal training and experience in his area of purported expertise;

(f) His present employment and his employment for each of the preceding ten years;

(g) A list of all other cases in which such expert has been consulted, retained or testified as an expert including:

(i) State or jurisdiction;

(ii) Court or administrative agency;

(iii) Case or docket number;

(iv) Brief description of case;

(v) In whose behalf was expert retained;

(vi) Date of appearance.

ANSWER TO INTERROGATORY NO. 1:

(a) James L. Van Lanen.

(b) Mr. Van Lanen has been an employee of The Coastal Corporation or its subsidiary American Natural Resources since January 1, 1975.

(c) 836 Wildwood Road SW, Roanoke, Virginia 24014.

(d) Energy economics.

(e) Mr. Van Lanen was graduated from Xavier University with a Bachelor of Science Degree in Economics. He also received a Master of Science in Economics from Montana State University. After graduation from Montana State University, he s an Associate Professor of Economics and conducted research on the development of western coal reserves.

(f) Mr. Van Lanen is a Senior Vice President of The Coastal Corporation with responsibility over Coastal's Coal and Chemical Division including the management and strategic planning for the coal operations and coal marketing efforts. He also is President of Coastal Corporation's coal mining subsidiaries, Coastal States Energy Company and ANR Coal Company. Prior to 1984, Mr. Van Lanen was Vice President of Planning and Corporate Development for American Natural Resources, a Coastal Corporation subsidiary since 1985. His prior positions with American Natural Resources include Director of Diversification Studies and Director of Energy Economics. In these capacities he was responsible for providing data analyses and recommendations on major corporate matters dealing with energy, acquisitions and financial and strategic corporate plans.

(g) Mr. Van Lanen has not previously been consulted, retained or testified as an expert in any public service commission proceeding or in any state or federal litigation. He has, however, presented testimony before the U.S. Congress on federal trade legislation.

INTERROGATORY NO. 2: Identify all witnesses, expert or otherwise, you intend to call in this proceeding.

ANSWER TO INTERROGATORY NO. 2: At present, the only witness that the Utah Independent Coal Companies intend to call is James L. Van Lanen.

INTERROGATORY NO. 3: With respect to each witness you have identified in your answer to Interrogatory No. 2, state:

(a) The issues in this proceeding of which he has knowledge;

(b) The manner in which he obtained such knowledge, i.e., eyewitness, participant, investigator, employee, etc.;

(c) Identify any written or recorded statements or reports received from him by you, or your counsel, agent or employee; and

(d) State which issues in this proceeding the witness' testimony will address and briefly state his position on those issues.

ANSWER TO INTERROGATORY NO. 3:

(a) Mr. Van Lanen has knowledge with respect to fuel supply and procurement issues, including issues relating to coal mining, coal marketing, management of coal mining subsidiaries, and fuel procurement practices.

(b) Education and professional experience. See responses to Interrogatory Nos. 1(d) through 1(f) above.

(c) None.

(d) Fuel supply and procurement issues. The witness' position on those issues is described below.

INTERROGATORY NO. 4: For each witness identified in your answer to Interrogatory No. 3, please identify all documents considered or relied upon by the witness including, but not mited to, all computer programs which have been used, or are currently being used, to analyze the proposed merger.

ANSWER TO INTERROGATORY NO. 4: See response to Interrogatory No. 1.

INTERROGATORY NO. 5: For each expert identified in your answer to Interrogatory No. 1 that you will not call as a witness in this proceeding, please identify all documents prepared or relied upon by the expert in connection with any of the issues in this proceeding.

ANSWER TO INTERROGATORY NO. 5: Not applicable.

INTERROGATORY NO. 6: Please provide a detailed statement of the Utah Independent Coal Companies' position, including all facts supporting that position, regarding the utilization of Utah coal in the merged utility's generating plants.

ANSWER TO INTERROGATORY NO. 6: The State of Utah has many coal producers capable of supplying Utah Power & Light ("UP&L") through either contract or spot tonnages. Evidence suggests and experience indicates that UP&L does not wish to pursue its least cost fuel supply options.

For example:

(1) Admittedly, the Wilberg fire may have impacted UP&L's figures for 1986. However, spot coal purchases by UP&L for 1986 averaged $1.35/MBTU whereas IPA purchased spot coal for its plant for

1986 for \$.99/MBTU. UP&L made no spot purchases in 1987, while IPA purchased spot coal for \$.81/MBTU.

(2) UP&L's external supply contract price for Utah coal in 1987 was \$1.89/MBTU which is far in excess of IPA's average contract price for 1987 of \$1.43/MBTU.

(3) Coal supply costs for coal from UP&L's mines in 1987 was \$1.03/MBTU. These costs represent only variable costs as the delivered prices do not include capital costs and return on capital costs additionally charged to the ratepayers. Their true supply costs are unknown and may or may not be competitive.

The Utah Independent Coal Companies ("UICC") believe that the current prices UP&L is paying for coal, outside and captive, do not represent realistic market prices, and that the quantity of coal supplied by external producers is insufficient to provide either UP&L or the Utah Commission with an adequate base to make meaningful purchase decisions or to insure the ratepayer that UP&L's electricity charges are as low as they could be. If UP&L were required to acquire at least twenty percent of its coal requirements through a combination of spot and short-term contracts via open competitive bidding (with UP&L's captive operations allowed to bid on the same terms and conditions as other producers), the resultant prices could be used to evaluate the economics of UP&L's captive operations and the reasonableness of the associated charges to the ratepayers.

INTERROGATORY NO. 7: Please identify all documents in the Utah Independent Coal Companies' possession, referring to, relating to, embodying or memorializing the Utah Independent Coal Companies' position on the utilization of Utah coal in the merged utility's generating plants.

ANSWER TO INTERROGATORY NO. 7: See Coaldat Marketing Summary of FERC data, January - December 1986 and Coaldat Marketing Report - Utility Format, January - November 1987.

INTERROGATORY NO. 8: Please provide a detailed statement of the Utah Independent Coal Companies' position, including all facts supporting that position, on whether a substantial portion of the coal utilized in Utah generating plants should be acquired through competitive bidding.

ANSWER TO INTERROGATORY NO. 8: The Utah Independent Coal Companies believe that a "substantial" portion (at least twenty percent) of UP&L's coal requirements should be acquired through competitive bidding, with UP&L allowed to bid if it choses to do so. Competitive bidding would ensure that the lowest cost coal was purchased, thus providing a savings to the ratepayers and a means of evaluating the competitiveness and efficiency of UP&L's captive coal operations. The UICC assert that competitive bidding for at least twenty percent of UP&L's coal requirements would be in the public interest, and that allowing UP&L to submit bids, on the same terms as any other supplier, would avoid harm to UP&L. Without at least some competitive bidding there is no assurance to ratepayers that the ice of coal delivered to the UP&L plants is reasonable and competitive.

INTERROGATORY NO. 9: Please identify all documents in the Utah Independent Coal Companies' possession, referring to, relating to, embodying or memorializing the Utah Independent Coal Companies' position on whether a substantial portion of the coal utilized in Utah generating plants should be acquired through competitive bidding.

ANSWER TO INTERROGATORY NO. 9: See response to Interrogatory No. 7.

INTERROGATORY NO. 10: Please identify all documents in the possession of the Utah Independent Coal Companies, referring to, relating to, embodying or memorializing the quantification of the phrase "substantial portion" as referenced in Interrogatory Nos. 8 and 9 above.

ANSWER TO INTERROGATORY NO. 10: "Coal Industry Outlook - A Market Perspective", prepared by Resource Data International, Inc., November 1987, pages v and vi.

INTERROGATORY NO. 11: Please provide a detailed statement of the Utah Independent Coal Companies' position, including all facts supporting that position, on whether coal utilized in Utah generating plants should be acquired through a mix of coal produced from captive operations and coal acquired through long term and spot purchases on the open market.

ANSWER TO INTERROGATORY NO. 11: The UICC maintain that coal should be purchased by UP&L from lowest cost sources. It is well established practice of governmental agencies, utility companies, and businesses in general to use the competitive bidding process to obtain the lowest cost products. Whether the source of coal is captive or independent should be irrelevant. If UP&L can provide the lowest cost coal for its plants, as determined through competitive bidding, then UP&L should be the supplier. If independent suppliers are the lowest cost coal source, as determined through the same bidding process, then they should be the suppliers. In actual practice, as demonstrated by Utility Form 423 reports to FERC, the mix of contract and "spot" purchases will change from month to month depending on market conditions and production capabilities. The mix should also reflect actual market conditions and a utility's judgment of future prices. For example, the current trend in the United States is for utilities to purchase a greater percentage of their requirements in the spot market, reflecting their assessment that coal prices will decline.

INTERROGATORY NO. 12: Please identify all documents in the possession of the Utah Independent Coal Companies, referring to, relating to, embodying or memorializing the Utah Independent Coal Companies' position on whether coal utilized in Utah generating plants should be acquired through a mix of coal produced from captive operations and coal acquired through long term and spot purchases on the open market.

ANSWER TO INTERROGATORY NO. 12: See response to Interrogatory No. 7.

INTERROGATORY NO. 13: Please identify all documents in the possession of the Utah Independent Coal Companies, referring to, relating to, embodying or memorializing the quantification of the phrase "mix of coal produced" as referenced in Interrogatory Nos. 11 and 12 above.

ANSWER TO INTERROGATORY NO. 13: See responses to Interrogatory Nos. 11 and 12. The "quantification" of the "mix of coal produced" should be determined by market forces.

INTERROGATORY NO. 14: Please provide a detailed statement of the Utah Independent Coal Companies' position, including all facts supporting that position, regarding the effects of the merger on Utah generating facilities, including shut down or reduced utilization, plant siting and wheeling of power.

ANSWER TO INTERROGATORY NO. 14: The factors to be considered in the determination of future coal-fired plant sitings by UP&L/PPL will include proximity to the electric power market and a determination of which coal source(s) to use. The UICC's position is that future coal-fired plant sitings by UP&L/PPL should not be biased against Utah coal or independent coal producers.

It is the UICC's position that UP&L/PPL should look to the least cost fuel alternative in an attempt to maximize the utilization of available Utah generating capacity. If lower cost coal than the utility's captive coal is available, such coal should be utilized to enhance the sale of power from derutilized generating plants. Preference should not be given to wheeling power generated by coal from the utility's captive mines unless it is demonstrated to be the least cost alternative and most favorable to Utah ratepayers.

The UICC believe that the merger and the fact that both utilities control extensive coal resource may bias the siting of future plants to (a) sites adjacent to PPL controlled mines in Wyoming, or (b) sites adjacent to UP&L's existing coal properties rather than to sites adjacent to more economical operations elsewhere in Utah. There is a very real danger that the incremental growth of demand for electricity in Utah will be supplied from Wyoming coal unless UP&L utilizes the lowest cost Utah coal. Therefore it is in the best interest of the Utah economy for the lowest cost Utah coal to be used in the Utah power generation facilities.

INTERROGATORY NO. 15: Please identify all documents in the possession of the Utah Independent Coal Companies', referring to, relating to, embodying or memorializing the Utah Independent Coal Companies position regarding the effects of the merger on Utah generating facilities, including shut down or reduced utilization, plant siting and wheeling of power.

ANSWER TO INTERROGATORY NO. 15: See response to Request No. 1.

INTERROGATORY NO. 16: Please provide a detailed statement of the Utah Independent Coal Companies' position, including all facts supporting that position, regarding the determination of the cost of fuel from captive sources for ratemaking purposes.

ANSWER TO INTERROGATORY NO. 16: Fuel cost is a direct pass-through to a utility's power consumer. When fuel is acquired from captive sources a standard must be developed for pricing the fuel in order to:

1. Prevent overcharges to ratepayers/customers through the use of inflated intercompany pricing methods which exceed the utility's other opportunity costs; and

2. Require the utility's shareholders (rather than its customers) to bear the costs of imprudent fuel buying priorities and uncompetitive captive fuel supply operations.

Only one standard for pricing accomplishes both goals and that is to use the utility's opportunity cost for buying comparable fuel from independent sources in the same relative supply area. In pricing captive fuel at these levels, relative efficiencies and inefficiencies of the utility's captive operations flow through directly as rewards or burdens respectively to the utility's shareholders.

At the same time, the utility's investment in the captive mine complex should be removed from the utility's rate base. There should be no artificial return on investment created from the rate making process. Over time, the mine complex should stand on its own and be measured against the competitive industry environment in which it participates.

In order to establish an appropriate measure of relative market prices for fuel (coal) of similar grade, the utility should be required to conduct open bidding for a meaningful portion of its fuel requirements, both on a spot and term contract basis. The UICC believe that twenty percent is an appropriate minimum level. The utility's captive supply should be allowed to participate in the open bidding subject to the same terms and conditions as other suppliers. Over time, the price influences of open market bidding should be used as a standard for all cost from captive sources.

<u>INTERROGATORY NO. 17</u>: Please identify all documents in the possession of the Utah Independent Coal Companies, referring to, relating to, embodying or memorializing the Utah Independent Coal Companies' position regarding the determination of the cost of fuel from captive sources for ratemaking purposes.

<u>ANSWER TO INTERROGATORY NO. 17</u>: See response to Interrogatory No. 7.

<u>INTERROGATORY NO. 18</u>: Please provide a detailed statement of the Utah Independent Coal Companies' position, including all facts supporting that position, regarding the appropriate level of supervision over the merged utility's fuel procurement policies.

<u>ANSWER TO INTERROGATORY NO. 18</u>: Each year the UICC solicit business, either through responses to bid solicitations

through independent offers, from utilities that account for over sixty percent of the coal consumption in the United States. Based on this experience and the magnitude of the purchases involved, it is the UICC's position that the coal procurement policy of the merged utility should be in writing; should be reviewed and approved by its Board of Directors; should be supervised by a very senior executive who is divorced from captive coal operations; and should be subject to audit and review for policy compliance by appropriate state and federal regulatory agencies.

As indicated in the response to Interrogatory No. 16, the periodic solicitation of bids and the evaluation of responses (including those from captive sources) should be overseen and reviewed by the state regulatory commission. The amount of the successful bid, whether from captive or independent fuel sources, can then be used over time to measure the cost of fuel from captive sources.

INTERROGATORY NO. 19: Please identify all documents in the possession of the Utah Independent Coal Companies, referring to, relating to, embodying or memorializing the appropriate level of supervision over the merged utility's fuel procurement policies.

ANSWER TO INTERROGATORY NO. 19: None.

INTERROGATORY NO. 20: Please provide a detailed statement of the Utah Independent Coal Companies' position, ncluding all facts in support of that position, regarding the dominance of the merged utility in the western coal industry.

ANSWER TO INTERROGATORY NO. 20: The proposed merger would create a monopoly on the power supply side in a very large geographic region. At the same time, the merged companies would possess substantial monopoly power on the coal purchasing side because they are the dominant utility consumer of steam coal production within the area. The merger of UP&L/PPL produces monopoly powers over fuel supply in two ways: (i) through vertical integration with captive mines, the merged utilities have removed 85% of the regional demand for coal; and (ii) as the dominant utility consumer for steam coal in the region, they gain dominance over price.

The merged companies would have the power to discriminate in prices charged industrial customers, with the potential result that companies that have their own coal-fired generating facilities would instead purchase power. Thus the utility could close markets to independent coal producers, increase reliance on its captive operations, and control price. The utility would be free to exercise its monopolizing influences on coal sales to itself and to coal consumers with private power options, resulting in a complete dominance and control over steam coal markets and prices.

With this supply side dominance, the long-term impact on the western coal industry will be to accelerate the shift of incremental power capacity to Powder River Basin surface mining sources unless Utah and Colorado underground mining operations are allowed to compete to supply fuel to the utility.

INTERROGATORY NO. 21: Please identify all documents in the possession of the Utah Independent Coal Companies', referring to, relating to, embodying or memorializing the Utah Independent Coal Companies' position regarding the dominance of the merged utility in the western coal industry.

ANSWER TO INTERROGATORY NO. 21: See 1) PPL's response to UICC-10, "Projected Pacificorp Coal Consumption"; 2) Exhibits No. 3.1, Figures 3.1, 3.2 and 3.4, Table 3, "Contributions by Segment"; Table 2, "Comparison of Utah Power & Light Company and Pacific Power and Light Company"; from Testimony of R. Boucher; and 3) Summary Analysis of Western Coal Fired Plants taken from Iventory of Power Plants in the United States - 1986.

REQUEST FOR PRODUCTION OF DOCUMENTS

REQUEST NO. 1: Produce all documents identified in answers to the foregoing interrogatories.

RESPONSE TO REQUEST NO. 1: See attached:

Exhibit 1: Coaldat Marketing Summary of FERC data, January - December 1986.

Exhibit 2: Coaldat Marketing Report - Utility Format, January - November 1987.

Exhibit 3: Coal Industry Outlook - A Market Perspective, prepared by Resource Data International, Inc., November 1987.

Exhibit 4: Summary Analyis of Western Coal Fired Plants.

VERIFICATION

STATE OF UTAH)
: ss.
COUNTY OF SALT LAKE)

The undersigned Robert A. Feilner, Vice President of Coastal States Energy Company, hereby verifies that these Answers are true and correct to the best of his knowledge, information and belief.

ROBERT A. FEILNER

SUBSCRIBED AND SWORN to before me this 30th day of March, 1988.

Notary Public

NOTARY PUBLIC
ANNETTE F. KENNETT
Commission Expires
STATE OF UTAH

Commission Expires: 12/12/91

Residing at

2633C

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon the persons shown on Exhibit A by mailing a copy thereof, properly addressed and postage prepaid.

DATED at Salt Lake City, Utah, this 30th day of March, 1988.

Sherri B. Rettyman

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EXHIBIT 1

YEAR: 1986
PERIOD: JAN - DEC

COALDAT MARKETING REPORT
TOTAL PURCHASES BY U.S. POWER PLANTS

UTILITY FORMAT
YTD SUMMARY

SUPPLIER INFORMATION			PURCHASE INFORMATION							
SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$, TON	CENTS/ MMBTU

*** UTAH POWER & LIGHT ***
*** CARBON PLANT, HELPER, UT ***
*** TERMINATING CARRIERS: TK ***

PURCHASES YEAR-TO-DATE DEC 1986: 492.00 TONS (000)
1986 CONTRACT: 492.00 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 296.00 TONS(000)

DEC STOCKPILE 1986: 101.29 TONS (000)
DEC STOCKPILE 1985: 103.10 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 1.07 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$, TON	CENTS/ MMBTU
VALLEY CAMP OF UTAH INC.	BELINA #1 TK:D & RGW	UT/CARBON	C/0495	492.00	11765	.57	.96	6.77	39.67	168.59
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		492.00	11765	.57	.96	6.77	39.67	168.59
		MINIMUM:			11583	.52	.89	5.44	35.86	152.20
		MAXIMUM:			11895	.72	1.23	8.40	43.46	183.70

UTAH POWER & LIGHT

YEAR: 1986
PERIOD: JAN - DEC

COALDAT MARKETING REPORT
TOTAL PURCHASES BY U.S. POWER PLANTS

UTILI[illegible]FORMAT
YTD SUMMARY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
*** UTAH POWER & LIGHT *** *** GADSBY PLANT, SALT LAKE CITY, UT *** *** TERMINATING CARRIERS: D & RGW ***										
PURCHASES YEAR-TO-DATE DEC 1986: 106.00 TONS (000) 1986 CONTRACT: 106.00 TONS (000), SPOT: .00 TONS (000) PURCHASES YEAR-TO-DATE DEC 1985: 305.00 TONS(000)				DEC STOCKPILE 1986: 93.30 TONS (000) DEC STOCKPILE 1985: 104.67 TONS (000) PROJECTED AVG. DAILY BURN FOR NEXT QTR: .38 TONS (000)/DAY						
VALLEY CAMP OF UTAH INC.	BELINA #1 TK:D & RGW	UT/CARBON	C/0495	106.00	11767	.61	1.03	6.42	46.42	197.24
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		106.00	11767	.61	1.03	6.42	46.42	197.24
		MINIMUM:			11676	.52	.89	5.22	42.36	181.40
		MAXIMUM:			11903	.73	1.25	6.84	51.18	215.00
*** UTAH POWER & LIGHT *** *** HUNTER PLANT, CASTLE DALE, UT *** *** TERMINATING CARRIERS: TK ***										
PURCHASES YEAR-TO-DATE DEC 1986: 2629.00 TONS (000) 1986 CONTRACT: 2162.00 TONS (000), SPOT: 467.00 TONS (000) PURCHASES YEAR-TO-DATE DEC 1985: 3714.00 TONS(000)				DEC STOCKPILE 1986: 851.65 TONS (000) DEC STOCKPILE 1985: 564.00 TONS (000) PROJECTED AVG. DAILY BURN FOR NEXT QTR: 7.20 TONS (000)/DAY						
(OPERATOR NOT REPORTED)	INFORMATION NOT REPORTED	UT/CARBON	S	467.00	12196	.51	.83	8.94	33.13	135.79
		UT/EMERY	C	77.00	12604	.65	1.03	7.83	35.49	140.80
EMERY MINING CO.	DEER CREEK TK	UT/EMERY	C	84.00	11323	.41	.73	13.85	34.37	153.57
	DESERET TK	UT/EMERY	C/1291	746.00	11676	.52	.89	11.54	28.49	121.95
	WILBERG TK	UT/EMERY	C	1255.00	11231	.46	.81	12.35	28.03	125.20
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		2629.00	11572	.49	.84	11.43	29.49	127.52
		MINIMUM:			10304	.38	.68	7.83	20.96	92.20
		MAXIMUM:			12604	.78	1.25	19.44	54.17	225.90

YEAR: 1986
PERIOD: JAN - DEC

COALDAT MARKETING REPORT
TOTAL PURCHASES BY U.S. POWER PLANTS

UTILITY FORMAT
SUMMARY

SUPPLIER INFORMATION			PURCHASE INFORMATION							
SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU

*** UTAH POWER & LIGHT ***
*** HUNTINGTON PLANT, HUNTINGTON, UT ***
*** TERMINATING CARRIERS: TK ***

PURCHASES YEAR-TO-DATE DEC 1986: 2069.00 TONS (000)
1986 CONTRACT: 1983.00 TONS (000), SPOT: 86.00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2381.00 TONS(000)

DEC STOCKPILE 1986: 241.45 TONS (000)
DEC STOCKPILE 1985: 217.55 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 6.26 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
(OPERATOR NOT REPORTED)	INFORMATION NOT REPORTED	UT/CARBON	S	86.00	12793	.48	.75	5.95	33.57	131.20
EMERY MINING CO.	DEER CREEK TK	UT/EMERY	C	1983.00	11326	.44	.77	13.73	31.36	138.91
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		2069.00	11387	.44	.77	13.40	31.45	138.59
		MINIMUM:			10745	.38	.66	5.95	25.69	110.20
		MAXIMUM:			12793	.48	.87	16.13	39.23	178.70

*** UTAH POWER & LIGHT ***
*** NAUGHTON PLANT, KEMMERER, WY ***
*** TERMINATING CARRIERS: BELT ***

PURCHASES YEAR-TO-DATE DEC 1986: 1768.00 TONS (000)
1986 CONTRACT: 1768.00 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2150.00 TONS(000)

DEC STOCKPILE 1986: 389.55 TONS (000)
DEC STOCKPILE 1985: 263.87 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 5.06 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
PITTSBURG & MIDWAY COAL CO.	ELKOL & SORENSON (KEMMERER) UP:BELT	WY/LINCOLN	C/0911	1768.00	9610	.78	1.62	6.60	22.88	119.10
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		1768.00	9610	.78	1.62	6.60	22.88	119.10
		MINIMUM:			9296	.54	1.11	5.49	21.11	107.40
		MAXIMUM:			9826	1.06	2.19	8.26	23.58	124.20

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SUPPLIER INFORMATION			PURCHASE INFORMATION							
SUPPLIER	SOURCE / TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU

*** SEMINOLE ELECTRIC COOP. ***
*** SEMINOLE PLANT, PALAKTA, FL ***
*** TERMINATING CARRIERS: SCL ***

PURCHASES YEAR-TO-DATE DEC 1986: 2952.00 TONS (000)
1986 CONTRACT: 2504.00 TONS (000), SPOT: 448.00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2420.00 TONS(000)

DEC STOCKPILE 1986: 577.66 TONS (000)
DEC STOCKPILE 1985: 372.04 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 8.23 TONS (000)/DAY

SUPPLIER	SOURCE / TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
CHAROLAIS CORP.	CHAROLAIS #1 TK:ICG-WKY	KY/HOPKINS	S	97.00	11285	2.78	4.93	11.58	36.80	163.04
CIMARRON COAL CORP. (KY)	VOLUNTEER STRIP L & N-EVANS	KY/HOPKINS	S	18.00	11668	3.20	5.49	10.55	41.93	179.68
DEER CREEK MINING CO.	DEER CREEK-KY TK	KY/WEBSTER	S	9.00	11742	2.94	5.01	9.90	40.35	171.80
PYRO MINING CO.	PYRO #9 WHEATCROFT BG-OHIO	KY/WEBSTER	S	305.00	12238	3.28	5.36	11.03	41.52	169.61
WARRIOR COAL MINING CO.	CARDINAL	KY/HOPKINS	S	19.00	11682	3.88	6.64	10.40	41.42	177.30
WEBSTER COUNTY COAL CORP.	DOTIKI L & N-EVANS:BG	KY/WEBSTER	C/--10	1069.00	12664	2.87	4.52	8.39	51.75	204.29
WHITE COUNTY COAL CORP.	PATTIKI TK:L & N:BG	IL/WHITE	C/--10	1435.00	11668	2.51	4.31	8.11	50.87	217.98
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		2952.00	12075	2.74	4.54	8.66	49.61	205.58
		MINIMUM:			11200	2.40	4.10	7.60	36.62	161.20
		MAXIMUM:			12795	3.88	6.64	12.30	56.04	239.40

*** SIERRA PACIFIC POWER ***
*** NORTH VALMY PLANT, VALMY, NV ***
*** TERMINATING CARRIERS: SP ***

PURCHASES YEAR-TO-DATE DEC 1986: 1071.46 TONS (000)
1986 CONTRACT: 1071.46 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 1300.64 TONS(000)

DEC STOCKPILE 1986: 364.78 TONS (000)
DEC STOCKPILE 1985: 263.85 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 3.16 TONS (000)/DAY

SUPPLIER	SOURCE / TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
BLACK BUTTE COAL CO.	BLACK BUTTE UP	WY/SWEETWATER	C	129.13	9581	.40	.83	8.69	35.11	183.22
SOUTHERN UTAH FUELS CO.	SUFCO D & RGW	UT/SEVIER	C/0603	942.33	11383	.33	.59	8.16	42.83	188.18
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		1071.46	11166	.34	.62	8.22	41.90	187.58
		MINIMUM:			9528	.29	.51	7.30	30.88	135.90
		MAXIMUM:			11551	.46	.95	9.80	48.62	213.70

*** SIKESTON BD. OF MUNIC. UTILS. ***
*** SIKESTON PLANT, SIKESTON, MO ***
*** TERMINATING CARRIERS: MP ***

PURCHASES YEAR-TO-DATE DEC 1986: 303.59 TONS (000)
1986 CONTRACT: 303.59 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 276.93 TONS(000)

DEC STOCKPILE 1986: 58.25 TONS (000)
DEC STOCKPILE 1985: 196.47 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 1.05 TONS (000)/DAY

SUPPLIER	SOURCE / TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
(OPERATOR NOT REPORTED)	APOLLO MINE *	IL/WILLIAMSON	C	1.66	10579	2.98	5.64	13.85	23.72	112.08
	DAVIS *	IL/SALINE	C	32.33	10750	2.46	4.58	11.39	26.43	123.02
KENELLIS ENERGY INC.	BRUSHY CREEK	IL/SALINE	C	111.93	11065	2.56	4.63	13.88	32.49	146.80

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SUPPLIER	SOURCE / TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		823.20	12536	.92	1.46	8.17	53.69	214.49
		MINIMUM:			12336	.90	1.41	7.56	41.32	159.90
		MAXIMUM:			13049	.93	1.50	8.78	59.06	236.50

*** SOUTHERN CALIFORNIA EDISON ***
*** MOHAVE PLANT, LAUGHLIN, NV ***
*** TERMINATING CARRIERS: SLURRY ***

PURCHASES YEAR-TO-DATE DEC 1986: 4756.40 TONS (000)
1986 CONTRACT: 4756.40 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2284.60 TONS(000)

DEC STOCKPILE 1986: 676.16 TONS (000)
DEC STOCKPILE 1985: 782.45 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 13.84 TONS (000)/DAY

SUPPLIER	SOURCE / TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
PEABODY COAL CO.	BLACK MESA / SLURRY	AZ/NAVAJO	C/1205	4756.40	10997	.55	1.00	9.84	22.43	101.95
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		4756.40	10997	.55	1.00	9.84	22.43	101.95
		MINIMUM:			10905	.48	.86	8.58	20.16	92.20
		MAXIMUM:			11191	.62	1.13	10.49	28.50	129.20

*** SOUTHERN ILLINOIS POWER COOP. ***
*** MARION PLANT, MARION, IL ***
*** TERMINATING CARRIERS: TK ***

PURCHASES YEAR-TO-DATE DEC 1986: 737.00 TONS (000)
1986 CONTRACT: 404.00 TONS (000), SPOT: 333.00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 661.00 TONS(000)

DEC STOCKPILE 1986: 312.38 TONS (000)
DEC STOCKPILE 1985: 294.20 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 1.87 TONS (000)/DAY

SUPPLIER	SOURCE / TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
(OPERATOR NOT REPORTED)	APOLLO MINE *	IL/WILLIAMSON	S/1086	1.00	10141	2.40	4.73	15.70	13.28	65.50
	APOLLO SURFACE MINE *	IL/WILLIAMSON	S/1086	9.00	9704	2.39	4.93	17.04	12.16	62.63
	ILLINI CARBON *	IL/GALLATIN	S/1086	15.00	10289	2.48	4.85	15.67	13.85	66.81
ACE DIGGIN INC.	ACE DIGGIN INC. / STHRN/ICG-S. ILL/TK:BG	IL/GALLATIN	S/1286	21.00	11357	1.19	2.10	12.09	23.36	102.84

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SUPPLIER INFORMATION			PURCHASE INFORMATION							
SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
CARPENTERTOWN COAL & COKE CO.	MAHONING CREEK #2 P & S	PA/ARMSTRONG	C/1286	82.45	12912	.65	1.00	7.66	47.89	185.44
CLINCHFIELD COAL CO.	MOSS #3 PREP (UG COAL) N & W-TILLER	VA/RUSSELL	C	10.48	13499	.66	.98	8.00	56.53	209.40
DOVERSPIKE GARY	DOVERSPIKE TK	PA/ARMSTRONG	C	135.23	13213	1.49	2.25	8.17	51.79	195.99
ELK RIVER SEWELL COAL CO.	BERGOO TIPPLE (NICHOLAS) WM-ELK RIVER	WV/NICHOLAS	C/1288	102.42	13026	.71	1.10	9.09	51.02	195.84
ELLER INC.	ELLER #1 B & O-GAULEY	WV/NICHOLAS	S	6.61	13312	.82	1.23	7.90	45.55	171.10
HOBET MINING & CONSTRUCTION CO	SCARLET GLEN TIPPLE N & W-KENOVA	WV/MINGO	C	5.39	12804	.66	1.03	7.60	53.36	208.36
KENTUCKY CARBON CORP.	KENCAR #1 N & W-THACKER	KY/PIKE	C	16.90	12961	.57	.88	7.88	53.86	207.75
KITT ENERGY CORP.	KITT #1 B & O-CLARKSBURG	WV/BARBOUR	S	21.23	13259	1.40	2.11	9.02	37.61	141.82
MARY HELEN COAL CO. INC.	BELFRY PREP N & W-THACKER	KY/PIKE	C	4.55	13159	.63	.96	7.10	54.30	206.31
MCNAMEE RESOURCES INC.	MCNAMEE PREP N & W-THACKER	WV/MINGO	C/1288	181.49	12855	.60	.94	8.04	53.52	208.16
SEWELL COAL CO.	SEWELL COAL CO. B & O-GAULEY	WV/NICHOLAS	C/1288	111.55	13641	.72	1.06	5.15	56.74	207.95
STANFORD MINING CO.	MEARS PREP (UNDERGROUND) CR-CLEAR	PA/INDIANA	S	94.05	13253	.77	1.17	7.03	50.72	191.33
THOMAS COAL SALES INC.	GREENWOOD SIDING CR-CLEAR	PA/CLEARFIELD	S	29.37	12572	1.43	2.28	10.95	41.42	164.72
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		1624.19	12890	1.06	1.66	9.27	49.65	192.38
		MINIMUM:			12261	.52	.81	4.00	36.79	138.50
		MAXIMUM:			13983	1.92	3.09	12.90	58.73	219.80

*** DESERET GENERATING & TRANS. ***
*** BONANZA PLANT, VERNAL, UT ***
*** TERMINATING CARRIERS: ***

PURCHASES YEAR-TO-DATE DEC 1986: 443.67 TONS (000)
1986 CONTRACT: 443.67 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: .00 TONS(000)

DEC STOCKPILE 1986: 325.24 TONS (000)
DEC STOCKPILE 1985: .00 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 1.34 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
WESTERN FUELS-UTAH	DESERADO	CO/RIO BLANCO	C	443.67	10724	.46	.86	8.79	41.84	195.11
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		443.67	10724	.46	.86	8.79	41.84	195.11
		MINIMUM:			10506	.31	.58	8.00	41.73	191.70
		MAXIMUM:			10885	1.24	2.31	11.00	42.62	198.80

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SUPPLIER INFORMATION / PURCHASE INFORMATION

*** PACIFIC POWER & LIGHT ***
*** CENTRALIA PLANT, CENTRALIA, WA ***
*** TERMINATING CARRIERS: MINE MOUTH ***

PURCHASES YEAR-TO-DATE DEC 1986: 4659.00 TONS (000) — DEC STOCKPILE 1986: 1653.85 TONS (000)
1986 CONTRACT: 4460.00 TONS (000), SPOT: 199.00 TONS (000) — DEC STOCKPILE 1985: 377.56 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 4400.00 TONS(000) — PROJECTED AVG. DAILY BURN FOR NEXT QTR: 8.96 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
WASHINGTON IRRIG. DEV.	CENTRALIA BELT	WA/LEWIS	C/--06	4460.00	8100	.69	1.71	14.64	27.60	170.36
	BELT		S/1086	173.00	8100	.63	1.56	14.83	20.77	128.20
	BELT		S/1286	26.00	8100	.80	1.98	13.30	20.75	128.10
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		4659.00	8100	.69	1.71	14.64	27.31	168.56
		MINIMUM:			8100	.53	1.31	13.30	20.70	127.80
		MAXIMUM:			8100	.84	2.07	15.40	30.49	188.20

*** PACIFIC POWER & LIGHT ***
*** JOHNSTON PLANT, GLENROCK, WY ***
*** TERMINATING CARRIERS: PVT RR ***

PURCHASES YEAR-TO-DATE DEC 1986: 3091.00 TONS (000) — DEC STOCKPILE 1986: 256.21 TONS (000)
1986 CONTRACT: 3051.00 TONS (000), SPOT: 40.00 TONS (000) — DEC STOCKPILE 1985: 259.65 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 3548.00 TONS(000) — PROJECTED AVG. DAILY BURN FOR NEXT QTR: 10.61 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
GLENROCK COAL CO.	DAVE JOHNSTON PP & L	WY/CONVERSE	C/--90	1202.00	7552	.44	1.17	10.31	11.63	77.15
	PP & L		C/CPTV	1849.00	7530	.44	1.18	10.44	13.69	90.90
ROCHELLE COAL CO.	ROCHELLE MINE BN	WY/CAMPBELL	S/0686	40.00	8800	.24	.55	4.50	12.18	69.20
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		3091.00	7555	.44	1.17	10.31	12.87	85.27
		MINIMUM:			7319	.24	.55	4.50	8.51	55.50
		MAXIMUM:			8800	.50	1.37	11.80	17.13	112.00

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SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
SUPPLIER INFORMATION			PURCHASE INFORMATION							

*** PACIFIC POWER & LIGHT ***
*** WYODAK PLANT, GILLETTE, WY ***
*** TERMINATING CARRIERS: MINE MOUTH ***

PURCHASES YEAR-TO-DATE DEC 1986: 1490.00 TONS (000)
1986 CONTRACT: 1490.00 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 1907.00 TONS(000)

DEC STOCKPILE 1986: 131.48 TONS (000)
DEC STOCKPILE 1985: 242.93 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 5.50 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
WYODAK RESOURCES DEVELOPMENT	WYODAK BN	WY/CAMPBELL	C/--13	1490.00	8082	.59	1.45	6.90	8.02	49.63
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		1490.00	8082	.59	1.45	6.90	8.02	49.63
		MINIMUM:			8042	.35	.86	5.80	7.48	46.00
		MAXIMUM:			8128	.72	1.79	7.60	8.13	50.30

*** PACIFIC POWER & LIGHT ***
*** BRIDGER PLANT, ROCK SPRINGS, WY ***
*** TERMINATING CARRIERS: MINE MOUTH ***

PURCHASES YEAR-TO-DATE DEC 1986: 6631.00 TONS (000)
1986 CONTRACT: 6631.00 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 7354.00 TONS(000)

DEC STOCKPILE 1986: 2115.77 TONS (000)
DEC STOCKPILE 1985: 614.47 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 14.83 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
BRIDGER COAL CO.	JIM BRIDGER TK	WY/SWEETWATER	C/1208	6480.00	9481	.58	1.22	10.49	20.81	109.81
PROSPECT POINT COAL CO.	LEUCITE HILLS UP	WY/SWEETWATER	C	151.00	9907	.57	1.15	8.00	20.65	104.24
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		6631.00	9490	.58	1.22	10.44	20.80	109.68
		MINIMUM:			8833	.42	.89	6.50	19.26	100.10
		MAXIMUM:			10106	.70	1.44	12.90	22.43	120.80

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*** L.A. DEPT. OF WATER & POWER ***
*** IPP PLANT, , UT ***
*** TERMINATING CARRIERS: ***

PURCHASES YEAR-TO-DATE DEC 1986: 1427.60 TONS (000)
1986 CONTRACT: 1243.40 TONS (000), SPOT: 184.20 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: .00 TONS(000)

DEC STOCKPILE 1986: .00 TONS (000)
DEC STOCKPILE 1985: .00 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: .00 TONS (000)/DAY

SUPPLIER INFORMATION			PURCHASE INFORMATION							
SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
ANDALEX RESOURCES INC.	PINNACLE MINE-TOWER RESOURCES	UT/CARBON	C	132.10	11793	.47	.79	10.41	35.99	152.60
CASTLE GATE COAL CO.	PRICE RIVER PREP D & RGW	UT/CARBON	S	35.20	12476	.42	.67	7.20	22.33	89.50
CONSOLIDATION COAL CO.	EMERY UG	UT/EMERY	S	105.10	12329	.70	1.12	9.48	26.61	108.08
COOP. MINING CO.	BEAR CANYON UR	UT/EMERY	S	43.90	12472	.46	.74	7.13	21.05	84.40
CYPRUS COAL CO.	CYPRUS WESTERN COAL CO. TK:UR	UT/CARBON +	C	96.80	11622	.57	.98	9.70	29.90	128.64
U.S. FU[illegible]	KING #4 TK:UR	UT/CARBON	C	96.20	11817	.63	1.07	10.14	36.49	154.43
UTAH FU[illegible] /S. UTAH FUEL CO.	SKYLINE #3 & SUFCO #1 D & RGW	UT/CARBON +	C/--05	918.30	11617	.52	.89	8.52	30.82	132.64
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		1427.60	11747	.53	.91	8.88	30.80	131.33
		MINIMUM:			11400	.39	.66	7.13	21.05	84.40
		MAXIMUM:			12513	.99	1.58	11.42	37.15	158.00

YEAR: 1986
PERIOD: JAN - DEC

COALDAT MARKETING REPORT
TOTAL PURCHASES BY U.S. POWER PLANTS

UTILI[illegible]FORMAT
YTD SUMMARY

*** NEVADA POWER CO. ***
*** GARDNER PLANT, MOAPA, NV ***
*** TERMINATING CARRIERS: UP ***

PURCHASES YEAR-TO-DATE DEC 1986: 1786.60 TONS (000)
1986 CONTRACT: 1786.60 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2019.00 TONS(000)

DEC STOCKPILE 1986: 791.42 TONS (000)
DEC STOCKPILE 1985: 340.33 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 3.60 TONS (000)/DAY

SUPPLIER INFORMATION			PURCHASE INFORMATION							
SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
BEAVER CREEK COAL CO.	BEAVER CREEK LOADOUT (UG COAL) TK:D & RGW	UT/CARBON	C/1294	358.20	11920	.51	.85	9.22	46.39	194.53
COOP. MINING CO.	BEAR CANYON UR	UT/EMERY	C	126.90	11987	.45	.75	9.04	44.09	183.89
PLATEAU MINING CO.	STARPOINT #2 TK:UR	UT/CARBON	C/1207	183.10	11804	.58	.99	8.62	44.51	188.58
TOWER RESOURCES INC.	PINNACLE D & RGW:UR	UT/CARBON	C/0912	66.50	11847	.45	.75	10.19	41.98	177.22
TRAIL MOUNTAIN COAL	TRAIL MOUNTAIN TK:D & RGW	UT/EMERY	C	300.20	11944	.43	.72	10.03	46.46	194.49
U.S. FUELS	KING #4 TK:UR	UT/CARBON	C/1294	352.90	11950	.63	1.05	8.02	57.90	242.31
UTAH FUEL CO.	SKYLINE #3 D & RGW	UT/CARBON	C	33.20	11699	.58	.99	9.61	47.17	201.60
	SKYLINE MINES D & RGW	UT/CARBON	C	365.60	11611	.57	.99	9.31	46.78	201.44
	RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)	WT. AVG:		1786.60	11853	.53	.90	9.11	48.25	203.50
		MINIMUM:			11389	.40	.67	6.62	30.35	127.80
		MAXIMUM:			12473	.68	1.15	11.08	58.93	246.80

YEAR: 1986
PERIOD: JAN - DEC

COALDAT MARKETING REPORT
TOTAL PURCHASES BY U.S. POWER PLANTS

UTILI[illegible] FORMAT
YT[illegible]UMMARY

SUPPLIER INFORMATION | PURCHASE INFORMATION

*** BASIN ELEC. POWER COOP. ***
*** ANTELOPE VALLEY PLANT, BEULAH, ND ***
*** TERMINATING CARRIERS: BN ***

PURCHASES YEAR-TO-DATE DEC 1986: 3916.30 TONS (000)
1986 CONTRACT: 3916.30 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2788.10 TONS(000)

DEC STOCKPILE 1986: 320.53 TONS (000)
DEC STOCKPILE 1985: 506.01 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 8.64 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
COTEAU PROPERTIES CO.	FREEDOM BN	ND/MERCER	C/CPTV	3916.30	6646	.52	1.57	8.38	10.66	80.23
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		3916.30	6646	.52	1.57	8.38	10.66	80.23
		MINIMUM:			6503	.44	1.33	7.80	10.28	77.10
		MAXIMUM:			6782	.65	1.95	9.00	11.17	84.30

*** BASIN ELEC. POWER COOP. ***
*** LARAMIE RIVER PLANT, WHEATLAND, WY ***
*** TERMINATING CARRIERS: BN ***

PURCHASES YEAR-TO-DATE DEC 1986: 5676.50 TONS (000)
1986 CONTRACT: 5676.50 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 5403.60 TONS(000)

DEC STOCKPILE 1986: 2381.54 TONS (000)
DEC STOCKPILE 1985: 2630.47 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 16.48 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
CARTER MINING CO.	CABALLO BN	WY/CAMPBELL	C	126.40	8398	.44	1.04	5.88	11.86	70.64
	RAWHIDE BN	WY/CAMPBELL	C/--17	1422.30	8244	.29	.70	4.75	11.84	71.80
CORDERO MINING CO.	CORDERO BN/C & NW	WY/CAMPBELL	C/--17	2365.60	8289	.39	.93	5.81	12.02	72.52
MOBIL OIL/MINING & COAL DIV.	CABALLO ROJO BN	WY/CAMPBELL	C/--17	1342.90	8345	.38	.92	5.31	12.26	73.49
TRITON COAL CO.	BUCKSKIN * BN:BELT	WY/CAMPBELL	C/--17	419.30	8325	.78	1.87	6.43	11.98	71.97
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		5676.50	8296	.39	.94	5.47	12.03	72.49
		MINIMUM:			8131	.20	.48	4.40	10.31	62.70
		MAXIMUM:			8537	1.47	3.59	8.10	13.18	77.20

*** BASIN ELEC. POWER COOP. ***
*** OLDS PLANT, STANTON, ND ***
*** TERMINATING CARRIERS: BELT ***

PURCHASES YEAR-TO-DATE DEC 1986: 1328.10 TONS (000)
1986 CONTRACT: 1328.10 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2804.10 TONS(000)

DEC STOCKPILE 1986: 653.60 TONS (000)
DEC STOCKPILE 1985: 526.78 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 5.80 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
CONSOLIDATION COAL CO.	GLENHAROLD (C) BN	ND/MERCER	C/CPTV	1328.10	6664	.73	2.20	7.81	13.30	99.83
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		1328.10	6664	.73	2.20	7.81	13.30	99.83
		MINIMUM:			6491	.50	1.52	6.90	13.29	96.80
		MAXIMUM:			6867	.81	2.45	9.00	13.31	102.50

YEAR: 1986
PERIOD: JAN - DEC

COALDAT MARKETING REPORT
TOTAL PURCHASES BY U.S. POWER PLANTS

UTILI FORMAT
YTD SUMMARY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
SUPPLIER INFORMATION			PURCHASE INFORMATION							

*** MONTANA POWER ***
*** COLSTRIP 1 2 3 & 4 PLANT, COLSTRIP, MT ***
*** TERMINATING CARRIERS: MINE MOUTH ***

PURCHASES YEAR-TO-DATE DEC 1986: 6916.00 TONS (000) — DEC STOCKPILE 1986: 664.83 TONS (000)
1986 CONTRACT: 6916.00 TONS (000), SPOT: .00 TONS (000) — DEC STOCKPILE 1985: 549.72 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 2796.00 TONS(000) — PROJECTED AVG. DAILY BURN FOR NEXT QTR: 13.65 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
WESTERN ENERGY CO.	ROSEBUD (AREA C) BN	MT/ROSEBUD	C/1209	6916.00	8596	.64	1.50	9.82	10.94	63.72
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		6916.00	8596	.64	1.50	9.82	10.94	63.72
		MINIMUM:			8221	.59	1.38	7.99	8.36	47.96
		MAXIMUM:			8826	.71	1.64	11.10	17.32	100.67

*** MONTANA POWER ***
*** CORETTE PLANT, BILLINGS, MT ***
*** TERMINATING CARRIERS: BN ***

PURCHASES YEAR-TO-DATE DEC 1986: 392.00 TONS (000) — DEC STOCKPILE 1986: 109.48 TONS (000)
1986 CONTRACT: 392.00 TONS (000), SPOT: .00 TONS (000) — DEC STOCKPILE 1985: 77.41 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 514.00 TONS(000) — PROJECTED AVG. DAILY BURN FOR NEXT QTR: 1.08 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
WESTERN ENERGY CO.	ROSEBUD (AREA C) BN	MT/ROSEBUD	C/1289	392.00	8623	.73	1.68	9.12	17.04	98.86
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		392.00	8623	.73	1.68	9.12	17.04	98.86
		MINIMUM:			8437	.58	1.33	7.75	16.55	94.03
		MAXIMUM:			8850	.88	2.00	10.01	18.75	109.52

YEAR: 1986
PERIOD: JAN - DEC

COALDAT MARKETING REPORT
TOTAL PURCHASES BY U.S. POWER PLANTS

UTILITY [illegible]MAT
YTD S[illegible]ARY

SUPPLIER INFORMATION / PURCHASE INFORMATION

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU

*** MONTANA-DAKOTA UTILITIES ***
*** HESKETT PLANT, MANDAN, ND ***
*** TERMINATING CARRIERS: BN ***

PURCHASES YEAR-TO-DATE DEC 1986: 247.10 TONS (000)
1986 CONTRACT: 247.10 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 425.60 TONS(000)

DEC STOCKPILE 1986: 32.16 TONS (000)
DEC STOCKPILE 1985: 48.00 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 1.07 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
KNIFE RIVER COAL CO.	BEULAH BN	ND/MERCER	C/CPTV	247.10	6952	.73	2.11	8.00	15.46	111.22
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		247.10	6952	.73	2.11	8.00	15.46	111.22
		MINIMUM:			6693	.53	1.53	7.20	13.97	98.60
		MAXIMUM:			7082	.95	2.84	9.90	16.04	119.50

*** MONTANA-DAKOTA UTILITIES ***
*** LEWIS & CLARK PLANT, SIDNEY, MT ***
*** TERMINATING CARRIERS: TK ***

PURCHASES YEAR-TO-DATE DEC 1986: 190.10 TONS (000)
1986 CONTRACT: 190.10 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 168.00 TONS(000)

DEC STOCKPILE 1986: 14.15 TONS (000)
DEC STOCKPILE 1985: 6.78 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: .55 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
KNIFE RIVER COAL CO.	SAVAGE BN	MT/RICHLAND	C/0893	190.10	6708	.57	1.71	7.43	16.62	124.01
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		190.10	6708	.57	1.71	7.43	16.62	124.01
		MINIMUM:			6540	.44	1.33	6.60	14.53	109.20
		MAXIMUM:			7139	.82	2.51	8.20	22.79	172.00

*** MONTANA-DAKOTA UTILITIES ***
*** COYOTE PLANT, BEULAH, ND ***
*** TERMINATING CARRIERS: BELT ***

PURCHASES YEAR-TO-DATE DEC 1986: 1874.20 TONS (000)
1986 CONTRACT: 1874.20 TONS (000), SPOT: .00 TONS (000)
PURCHASES YEAR-TO-DATE DEC 1985: 1970.60 TONS(000)

DEC STOCKPILE 1986: 246.52 TONS (000)
DEC STOCKPILE 1985: 255.12 TONS (000)
PROJECTED AVG. DAILY BURN FOR NEXT QTR: 4.44 TONS (000)/DAY

SUPPLIER	SOURCE TRANSPORTATION	ST/COUNTY	TERMS/ EXPIRES	TONS (000)	BTU/ LB	% SULF	LBSO2/ MMBTU	% ASH	$/ TON	CENTS/ MMBTU
KNIFE RIVER COAL CO.	BEULAH BN	ND/MERCER	C/0516	1874.20	6872	.90	2.63	8.11	11.53	83.88
RANGE OF SPECIFICATIONS: (OF ALL DELIVERIES YTD)		WT. AVG:		1874.20	6872	.90	2.63	8.11	11.53	83.88
		MINIMUM:			6798	.75	2.19	6.70	11.37	81.10
		MAXIMUM:			7010	1.14	3.31	9.90	11.88	87.10

COALDAT MARKETING REPORT -- UTILITY FORMAT
Total Monthly Purchases by U.S. Power Plants

EXHIBIT 2

Supplier Information			Purchase Information								
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
##################											
UTAH POWER & LIGHT											
NAUGHTON Plant											
KEMMERER , WY											
##################											
PITTSBURG & MIDWAY COAL CO.	ELKOL & SORENSON (KEMMERER)	WY/LINCOLN	YTD	C/ 9-11	1802.00	9656	0.56	1.10	5.98	23.21	120.10
					1802.00	9656	0.56	1.10	5.98	23.21	120.10
GADSBY Plant											
SALT LAKE CITY , UT											
##################											
VALLEY CAMP OF UTAH INC.	BELINA #1	UT/CARBON	YTD	C/ 4-95	41.00	11867	0.53	0.90	5.56	48.21	203.00
					41.00	11867	0.53	0.90	5.56	48.21	203.00
HUNTER Plant											
CASTLE DALE , UT											
##################											
EMERY MINING CO.	WILBERG	UT/EMERY	YTD	C/	2818.00	11454	0.55	0.90	11.57	22.19	96.90
EMERY MINING CO.	DESERET	UT/EMERY	YTD	C/	96.00	12008	0.44	0.70	8.73	22.70	94.50
					2914.00	11472	0.55	0.89	11.48	22.21	96.82
HUNTINGTON Plant											
HUNTINGTON , UT											
##################											
EMERY MINING CO.	DEER CREEK	UT/EMERY	YTD	C/	2284.00	11670	0.40	0.60	11.39	25.86	111.40
VALLEY CAMP OF UTAH INC.	BELINA #1	UT/CARBON	YTD	C/	43.00	11708	0.48	0.80	6.71	47.66	203.50
					2327.00	11671	0.40	0.60	11.30	26.26	113.10
CARBON Plant											
CASTLE GATE , UT											
##################											
VALLEY CAMP OF UTAH INC.	BELINA #1	UT/CARBON	YTD	C/ 4-95	341.00	11781	0.53	0.90	6.02	43.80	185.90
					341.00	11781	0.53	0.90	6.02	43.80	185.90
Total Purchases by Utility:					7425.00	11110	0.50	0.85	9.81	24.86	112.25

Supplier Information			Purchase Information								
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
******************											
BASIN ELECTRIC POWER COOP.											
LARAMIE RIVER Plant											
WHEATLAND , WY											
******************											
CORDERO MINING CO.	CORDERO	WY/CAMPBELL	YTD	C/ 1-17	2369.50	8313	0.36	0.80	5.72	11.73	70.50
CARTER MINING CO.	RAWHIDE	WY/CAMPBELL	YTD	C/ 1-17	2207.20	8270	0.33	0.80	5.16	11.53	69.70
CARTER MINING CO.	CABALLO	WY/CAMPBELL	YTD	C/	137.50	8387	0.36	0.80	5.65	11.69	69.60
MOBIL OIL/MINING & COAL DIV.	CABALLO ROJO	WY/CAMPBELL	YTD	C/ 1-03	1345.40	8320	0.33	0.80	5.38	11.66	70.00
TRITON COAL CO.	BUCKSKIN	WY/CAMPBELL	YTD	C/ 1-17	217.80	8374	0.68	1.60	6.63	11.96	71.40
					6277.40	8303	0.37	0.83	5.48	11.65	70.12
OLDS Plant											
STANTON , ND											
******************											
CONSOLIDATION COAL CO.	GLENHAROLD (C)	ND/MERCER	YTD	C/	1419.70	6657	0.83	2.50	8.47	13.08	98.30
					1419.70	6657	0.83	2.50	8.47	13.08	98.30
ANTELOPE VALLEY Plant											
BEULAH , ND											
******************											
COTEAU PROPERTIES CO.	FREEDOM	ND/MERCER	YTD	C/	5213.90	6663	0.59	1.70	8.47	9.57	71.70
					5213.90	6663	0.59	1.70	8.47	9.57	71.70
Total Purchases by Utility:					12911.00	7460	0.51	1.36	7.02	10.97	73.86

COALDAT MARKETING REPORT -- UTILITY FORMAT
Total Monthly Purchases by U.S. Power Plants

Supplier Information			Purchase Information								
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu

****
DESERET GENERATING & TRANS.
BONANZA Plant
VERNAL , UT
****

Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
WESTERN FUELS-UTAH	DESERADO	CO/RIO BLANCOYTD	C/		1050.00	10698	1.23	2.30	12.07	44.08	206.00
					1050.00	10698	1.23	2.30	12.07	44.08	206.00
Total Purchases by Utility:					1050.00	10698	1.23	2.30	12.07	44.08	206.00

Total Monthly Purchases by U.S. Power Plants

Supplier Information			Purchase Information									
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu

****
L.A. DEPT. OF WATER & POWER
INTERMOUNTAIN GENERATING Plant
DELTA , UT
****

Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
CASTLE GATE COAL CO.	PRICE RIVER #5	UT/CARBON	YTD	S/	291.40	12503	0.42	0.60	7.26	20.43	81.60
ANDALEX RESOURCES INC.	PINNACLE MINE-TOWER RESOURCES	UT/CARBON	YTD	C/	450.80	11830	0.51	0.80	9.88	34.87	147.30
UTAH FUEL CO./S. UTAH FUEL CO.	SKYLINE #3 & SUFCO #1	UT/CARBON	+YTD	C/ 1-05	2399.50	11747	0.55	0.90	8.26	33.18	141.20
CONSOLIDATION COAL CO.	EMERY UG	UT/EMERY	YTD	S/	220.10	12365	0.66	1.00	8.68	19.87	80.30
COOP. MINING CO.	BEAR CANYON	UT/EMERY	YTD	S/	194.10	12474	0.59	0.90	7.98	21.08	84.40
CYPRUS COAL CO.	CYPRUS WESTERN COAL CO.	UT/CARBON	+YTD	C/	618.70	11602	0.60	1.00	10.00	30.45	131.20
SOLDIER CREEK COAL	SOLDIER CANYON	UT/CARBON	YTD	S/	79.20	12186	0.43	0.70	8.73	19.13	78.50
KAISER COAL CORP.	SUNNYSIDE #1	UT/CARBON	YTD	S/	26.20	13240	0.49	0.70	5.09	21.58	81.50
U.S. FUELS	KING #4	UT/CARBON	YTD	C/	318.30	11734	0.64	1.00	10.47	36.43	155.20
					4598.30	11859	0.56	0.89	8.74	30.94	130.91
Total Purchases by Utility:					4598.30	11859	0.56	-0.89	8.74	30.94	130.91

Total Monthly Purchases by U.S. Power Plants

Supplier Information			Purchase Information								
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
#################											
MONTANA POWER											
COLSTRIP 1 2 3 & 4 Plant											
COLSTRIP , MT											
#################											
WESTERN ENERGY CO.	ROSEBUD (AREA C)	MT/ROSEBUD	YTD	C/12-09	6721.00	8647	0.62	1.40	8.95	10.63	61.50
					6721.00	8647	0.62	1.40	8.95	10.63	61.50
CORETTE Plant											
BILLINGS , MT											
#################											
WESTERN ENERGY CO.	ROSEBUD (AREA C)	MT/ROSEBUD	YTD	C/	655.00	8667	0.58	1.30	7.82	14.71	84.80
					655.00	8667	0.58	1.30	7.82	14.71	84.80
Total Purchases by Utility:					7376.00	8649	0.62	1.39	8.85	10.99	63.57

Supplier Information			Purchase Information								
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
******************											
MONTANA-DAKOTA UTILITIES											
HESKETT Plant											
MANDAN , ND											
******************											
KNIFE RIVER COAL CO.	BEULAH	ND/MERCER	YTD	C/	256.30	6979	0.93	2.60	8.78	15.62	111.90
					256.30	6979	0.93	2.60	8.78	15.62	111.90
LEWIS & CLARK Plant											
SIDNEY , MT											
******************											
KNIFE RIVER COAL CO.	SAVAGE	MT/RICHLAND	YTD	C/ 8-93	219.60	6608	0.59	1.70	7.80	15.45	116.90
					219.60	6608	0.59	1.70	7.80	15.45	116.90
COYOTE Plant											
BEULAH , ND											
******************											
KNIFE RIVER COAL CO.	BEULAH	ND/MERCER	YTD	C/ 5-16	1974.70	6894	0.96	2.70	8.18	11.48	83.20
					1974.70	6894	0.96	2.70	8.18	11.48	83.20
Total Purchases by Utility:					2450.60	6877	0.92	2.60	8.21	12.27	89.22

Total Monthly Purchases by U.S. Power Plants

Supplier Information			Purchase Information								
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
****************** NEVADA POWER CO. GARDNER Plant MOAPA , NV ******************											
ANDALEX RESOURCES INC.	PINNACLE	UT/CARBON	YTD	C/ 9-12	59.00	11850	0.49	0.80	9.02	42.15	177.80
ARCH OF UTAH	TRAIL MOUNTAIN	UT/EMERY	YTD	C/	299.70	12056	0.46	0.70	9.77	46.53	192.90
BEAVER CREEK COAL CO.	BEAVER CREEK LOADOUT (UG COAL)	UT/CARBON	YTD	C/12-94	353.80	11975	0.49	0.80	8.62	46.87	195.60
UTAH FUEL CO.	SKYLINE MINES	UT/CARBON	YTD	C/	249.10	11633	0.59	1.00	9.09	46.97	201.80
COOP. MINING CO.	BEAR CANYON	UT/EMERY	YTD	C/	25.10	12085	0.44	0.70	8.04	43.96	181.80
PLATEAU MINING CO.	STARPOINT #2	UT/CARBON	YTD	C/12-07	166.60	11834	0.55	0.90	8.78	39.01	164.60
U.S. FUELS	KING #4	UT/CARBON	YTD	C/12-94	344.30	11951	0.61	1.00	7.93	57.85	242.00
					1497.60	11910	0.53	0.87	8.79	48.23	202.38
Total Purchases by Utility:					1497.60	11910	0.53	0.87	8.79	48.23	202.38

Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
Supplier Information			**Purchase Information**								
******************											
PACIFIC POWER & LIGHT											
BRIDGER Plant											
ROCK SPRINGS , WY											
******************											
BRIDGER COAL CO.	JIM BRIDGER	WY/SWEETWATER	YTD	C/12-08	6601.00	9595	0.66	1.30	9.41	19.86	103.50
PROSPECT POINT COAL CO.	LEUCITE HILLS	WY/SWEETWATER	YTD	C/	268.00	9744	0.66	1.30	8.73	18.71	96.00
					6869.00	9601	0.66	1.30	9.38	19.82	103.21
JOHNSTON Plant											
GLENROCK , WY											
******************											
MOBIL OIL/MINING & COAL DIV.	CABALLO ROJO	WY/CAMPBELL	YTD	C/ 6-88	178.00	8300	0.37	0.80	5.55	12.60	75.80
GLENROCK COAL CO.	DAVE JOHNSTON	WY/CONVERSE	YTD	C/	2328.00	7579	0.44	1.10	10.26	10.95	72.10
GLENROCK COAL CO.	DAVE JOHNSTON	WY/CONVERSE	YTD	S/	218.00	7524	0.46	1.20	11.30	10.89	72.40
ROCHELLE COAL CO.	ROCHELLE MINE	WY/CAMPBELL	YTD	C/ 4-89	87.00	8694	0.22	0.50	4.80	8.14	46.80
					2811.00	7655	0.43	1.07	9.87	10.96	71.57
WYODAK Plant											
WYODAK , WY											
******************											
WYODAK RESOURCES DEVELOPMENT	WYODAK	WY/CAMPBELL	YTD	C/12-13	1833.00	7962	0.57	1.40	6.94	8.82	55.80
					1833.00	7962	0.57	1.40	6.94	8.82	55.80
CENTRALIA Plant											
CENTRALIA , WA											
******************											
THUNDER BASIN COAL CO.	BLACK THUNDER	WY/CAMPBELL	YTD	S/	75.00	8342	0.34	0.80	6.23	21.17	126.90
WASHINGTON IRRIG. DEV.	CENTRALIA	WA/LEWIS	YTD	C/ 1-06	4404.00	8100	0.69	1.70	14.57	27.46	169.40
					4479.00	8104	0.68	1.68	14.43	27.35	168.69
Total Purchases by Utility:					15992.00	8652	0.62	1.38	10.60	19.11	110.55

Total Monthly Purchases by U.S. Power Plants

Supplier Information			Purchase Information								
Supplier	Source	St/County	month	Terms/ Expires	Tons (000s)	Btu/ Lb	% Sulf	Lbso2/ Mmbtu	% Ash	$/ Ton	Cents/ Mmbtu
******************											
PORTLAND GENERAL ELECTRIC CO.											
BOARDMAN Plant											
BOARDMAN , OR											
******************											
AMAX COAL CO.	BELLE AYR	WY/CAMPBELL	YTD	C/	376.74	8483	0.32	0.70	4.68	23.78	140.10
					376.74	8483	0.32	0.70	4.68	23.78	140.10
Total Purchases by Utility:					376.74	8483	0.32	0.70	4.68	23.78	140.10

EXHIBIT 3

COAL INDUSTRY OUTLOOK
A MARKET PERSPECTIVE

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NOVEMBER, 1987

Since 1978 there has been a marked turnaround in coal mine productivity accompanied by a major shakeout of high cost producers. By 1984 productivity had surpassed the record high levels of the early 1970's, and it has continued to set new records in 1985 and 1986 (Exhibit 2). The rise in productivity has been accompanied by:

- A 25% drop in the number of coal mines between 1980 and 1985. (From 4,600 to 3,500), and

- Over the same period a decrease of 56,000 mining jobs (30%).

Productivity gains have been essential to the coal industry's ability to remain price-competitive. The key factors that will most influence the sustainability of productivity growth are overcapacity, labor (work force composition) and changing business practices.

- Overcapacity: Current in-place capacity exceeds demand by about 250 mmtpy (28%). The industry has sufficient in-place capacity today to meet demand levels that are projected for 1995. This excess capacity has held prices down. But, this excess capacity is expected to decline as more properties are permanently closed and taken out of the "ready reserve," ultimately firming prices. However, many coal price forecasts tend to overestimate projected coal price movements because they don't fully consider the price depressing effect of this overcapacity.

- Labor: The growth in non-union mines has been significant, particularly in the western states. At the same time, the union has lost substantial ground in the east. Today, less than 42% of all miners are union members compared to 70% in 1973. This has had the effect of lowering total labor costs for the industry, not because of large wage differentials, but rather because of lower fringe benefits (e.g., health and retirement) for non-union miners. The coal mine work force has matured since the 1970's with turnover lower and miners more experienced. In addition, the mines are increasingly mechanized. All of this leads to higher productivity. Over the next decade industry wide labor productivity is projected to continue to grow.

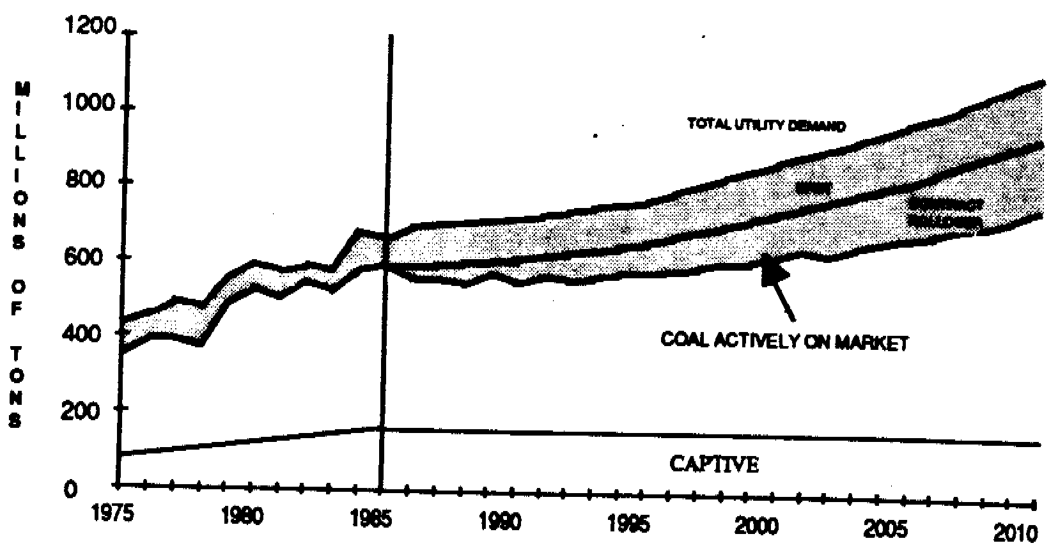
- Changing Business Practices: Coal is becoming an actively traded commodity. New contracts are much shorter than those signed in the1970's when customers hastened to lock in long-term (20-30 yr.) sources of supply. Although there is still some economic rationale for paying a small premium to lock in stability of supply, utilities, in particular, now administer much more sophisticated purchasing programs. The techniques are designed to minimize costly use of staggered contracts of shorter duration (3-7 years) with frequent market reopeners to hold producers within "reasonable" pricing boundaries. As shorter term contracts come back on the market more frequently, a growing percentage of the total utility coal demand will be on the market in any given year. In 1986 only 16% of the market rolled over, but by 2000 at least 33% of the coal will be out for bid annually (the shaded area in Exhibit 3).

This in turn will influence the management and executive sector of the industry. The winners in the coal business will be those with expertise in marketing, contracting and finance.

Over the next twenty five years, coal will grow from a $25 billion per year industry to a $40-$50 billion per year industry (constant dollars). There is room for productivity to continue to grow, although not at the rate it has grown over the past five years. The next ten years will see erratic regional growth and contraction and increasing consolidation by many of the majors. However, coal will not become a highly concentrated industry since reserves remain plentiful and supply constraints unlikely.

EXHIBIT 3

UTILITY COAL CONSUMPTION



Source: Resource Data Int'l COALDAT market information system, 1986.

EXHIBIT 4

WESTERN COAL FIRED PLANTS

State	Company	Plant	MW Summer Capability	Ownership	%	MW
Wyoming	Basin Elec.	Laramie	1,650	Mixed	-	-
	*Pacific Power & Light	Jim Bridger	1,940	PP&L	66.6%	1,292
	*Wyodak	Campbell	315	PP&L	80.0%	252
	Black Hills Corp.	Campbell	45	100%	-	-
	*Pacific Power & Light	Dave Johnson	750	PP&L	100.0%	750
	*Utah Power & Light	Naughton	710	UP&L	100.0%	710
Washington	*Pacific Power & Light	Centralia	1,276	PP&L	47.5%	606
Oregon	Portland Electric	Boardman	530	Mixed	-	-
Montana	Montana Power	Codstrip	2,079	PP&L	10.0%	142
	J. E. Corette	Yellowstone	180	100%	-	-
Nevada	Nevada Power	Reid Gardner	580	Mixed	-	-
	Sierra Pacific	North Valmy	532	Mixed	-	-
	Southern Cal. Edison	Mohave	1,580	Mixed	-	-
Utah	City of Los Angeles	Intermountain	1,557	IPA	-	-
	*Utah Power & Light	Hunter	1,180	UP&L	85.0%	1,001
	*Utah Power & Light	Huntington	815	UP&L	100.0%	815
	Utah Power & Light	Carbon	171	UP&L	100.0%	171
	Deseret Generation	Bonanza	425	100%	-	-

18 Plants Total MW = 16,315

PP&L/UP&L Owner 5,739 MW

Percent of Total = 35.2%

Next Largest Utility

Basin Electric - 1,650 MW

Percent of Total = 10.0%

Inventory of Power Plants in the United States 1986

Energy Information Administration
Office of Coal, Nuclear, Electric
and Alternate Fuels
U.S. Department of Energy
Washington, DC 20585

This report was prepared by the Energy Information Administration, the independent statistical and analytical agency within the Department of Energy. The information contained herein should not be construed as advocating or necessarily reflecting any policy position of the Department of Energy or any other organization.

State Company Plant (County)	Unit ID	Capacity: Generator Nameplate (Megawatts)	Capacity: Summer Capability (Megawatts)	Capacity: Winter Capability (Megawatts)	Unit Type[1]	Energy Source[1]: Primary	Energy Source[1]: Alternate	Year of Initial Operation
Utah								
Strawberry Water Users Assn								
Payson (Utah)	1	0.4	0.4	0.4	HC	Water		1941
Spanish Fork (Utah)	1	1.8	1.8	1.8	HC	Water		1983
	2	1.8	1.8	1.8	HC	Water		1983
	3	0.4	0.4	0.4	HC	Water		1937
Utah Power & Light Co								
American Fork (Utah)	1	1.0	0.4	0.4	HC	Water		1954
Beaver Upper (Beaver)	1	0.6	0.3	0.3	HC	Water		1907
	2	0.6	0.3	0.3	HC	Water		1907
Blundell (Millard)	1	23.5	21.4	21.4	GE	GST		1984
Carbon (Carbon)	1	75.0	66.0	66.0	ST	BIT		1954
	2	113.6	105.0	105.0	ST	BIT		1957
Cedar (Iron)	1	7.5	2.8	2.8	ST	BIT		1945
	2	7.5	5.5	5.5	ST	BIT		1945
Cutler (Box Elder)	1	15.0	14.6	14.6	HC	Water		1927
	2	15.0	14.6	14.6	HC	Water		1927
Fountain Green (Sanpete)	1	0.2	0.1	0.1	HC	Water		1922
	2	0.2	0.1	0.1	HC	Water		1922
Gadsby (Salt Lake)	1	69.0	66.0	66.0	ST	Nat Gas	FO6	1951
	2	69.0	75.0	75.0	ST	BIT	Nat Gas	1952
	3	113.6	105.0	105.0	ST	BIT	Nat Gas	1955
Hale (Utah)	2	44.0	45.0	45.0	ST	BIT	Nat Gas	1950
Hunter (Emery) (Emery)	1	446.4	390.0	390.0	ST	BIT		1978
	2	446.4	390.0	390.0	ST	BIT		1980
	3	447.0	400.0	400.0	ST	BIT		1983
Huntington (Emery)	1	446.4	400.0	400.0	ST	BIT	FO2	1977
	2	446.4	415.0	415.0	ST	BIT	FO2	1974
Little Mountain (Weber)	1	16.0	15.0	15.0	GT	Nat Gas	FO2	1971
Olmstead (Utah)	1	2.4	1.7	1.7	HC	Water		1904
	2	2.4	1.7	1.7	HC	Water		1904
	3	2.4	1.7	1.7	HC	Water		1904
	4	2.4	1.7	1.7	HC	Water		1922
Pioneer (Weber)	1	2.5	2.0	2.0	HC	Water		1914
	2	2.5	2.0	2.0	HC	Water		1914
Sand Cove (Washington)	1	0.8	0.5	0.5	HC	Water		1920
Snake Creek (Wasatch)	1	0.6	0.1	0.1	HC	Water		1910
	2	0.6	0.1	0.1	HC	Water		1910
Stairs (Salt Lake)	3	1.0	0.2	0.2	HC	Water		1914
Tunlock (Washington)	1	0.8	0.5	0.5	HC	Water		1917
Veyo (Washington)	1	0.5	0.5	0.5	HC	Water		1920
Weber (Weber)	1	2.5	2.0	2.0	HC	Water		1949
Weber Basin Water Conserv Dist								
Gateway (Morgan)	1	2.0	1.5	1.0	HC	Water		1958
	2	2.0	1.5	1.0	HC	Water		1958
Wanship (Summit)	1	1.9	1.8	1.2	HC	Water		1958
Vermont								
Barton Village Inc								
West Charleston (Orleans)	IC3	1.4	1.1	1.1	IC	FO2		1956
	1	0.7	0.5	0.7	HC	Water		1931
	2	0.7	0.5	0.7	HC	Water		1948
Burlington City of								
Burlington G T (Chittenden)	GT1	28.0	18.9	26.8	GT	FO2		1971
J C McNeil (Chittenden)	1	50.0	47.0	50.0	ST	WD		1984
Central Vermont Pub Serv Corp								
Arnold Falls (Caledonia)	1	0.4	0.2	0.2	HC	Water		1926
Ascutney (Windsor)	GT4	13.2	11.0	15.0	GT	FO2		1961
Cavendish (Windsor)	1	0.5	0.5	0.5	HC	Water		1906
	2	0.5	0.5	0.5	HC	Water		1906
	3	0.4	0.4	0.4	HC	Water		1906
Clark Falls (Chittenden)	1	3.0	3.0	3.0	HC	Water		1936
East Barnet (Caledonia)	1	2.2	1.3	1.3	HC	Water		1984

See footnotes at end of table.

Table 20. ... Company and Plant, as of December 1986 (Continued)

State Company Plant (County)	Unit ID	Capacity: Generator Nameplate (Megawatts)	Capacity: Summer Capability (Megawatts)	Capacity: Winter Capability (Megawatts)	Unit Type[1]	Energy Source[1]: Primary	Energy Source[1]: Alternate	Year of Initial Operation
Texas								
West Texas Utilities Co								
San Angelo (Tom Green)	1	32.6	24.0	29.0	CT	Nat Gas		1965
	2	100.8	103.0	105.0	CW	WH		1966
Vernon (Wilbarger)	1	2.5	2.0	2.0	IC	Nat Gas	FO2	1963
	2	1.4	1.0	1.0	IC	FO2	Nat Gas	1952
	3	2.0	1.0	1.0	IC	FO2	Nat Gas	1961
	4	4.1	4.0	4.0	IC	Nat Gas	FO2	1968
	7	1.4	1.0	1.0	IC	Nat Gas	FO2	1963
Whitesboro City of								
Whitesboro (Grayson)	1	1.3	1.0	1.0	IC	FO2		1959
	2	0.9	1.0	1.0	IC	Nat Gas		1955
Utah								
Beaver City Corp								
Beaver Lower (Beaver)	2	0.3	0.2	0.2	HC	Water		1914
Beaver Upper (Beaver)	1	0.6	0.5	0.5	HC	Water		1942
Bountiful City City of								
Bountiful (Davis)	IC8	7.0	7.0	7.0	IC	Nat Gas	FO2	1986
	1	0.4	0.4	0.4	IC	Nat Gas		1939
	2	1.3	1.3	1.3	IC	Nat Gas	FO2	1959
	3	1.3	1.3	1.3	IC	Nat Gas	FO2	1959
	4	1.0	1.0	1.0	IC	Nat Gas	FO2	1955
	5	1.0	1.0	1.0	IC	Nat Gas	FO2	1956
	6	2.0	2.0	2.0	IC	Nat Gas	FO2	1961
	7	0.2	0.1	0.1	IC	FO2		1936
Brigham City Corp								
Box Elder (Box Elder)	1	0.5	0.5	0.5	HC	Water		1961
Brigham City (Box Elder)	1	0.6	0.8	0.6	HC	Water		1921
	2	0.6	0.6	0.6	HC	Water		1921
Bureau of Reclamation								
Deer Creek (Wasatch)	1	2.5	5.0	2.5	HC	Water		1957
	2	2.5	5.0	2.5	HC	Water		1957
Flaming Gorge (Daggett)	1	36.0	44.0[2]	44.0[2]	HC	Water		1963
	2	36.0	-[2]	-[2]	HC	Water		1963
	3	36.0	-[2]	-[2]	HC	Water		1964
Deseret Generation & Tran Coop								
Bonanza (Uintah)	1	400.0	425.0	425.0	ST	BIT		1986
Ephraim City of								
Hydro Plant No 3 (Sanpete)	2	0.8	0.8	0.8	HC	Water		1984
	3	2.1	2.2	2.2	HC	Water		1984
No 1 (Sanpete)	1	0.2	0.2	0.2	HC	Water		1906
Garkane Power Assn Inc								
Boulder (Garfield)	1	1.4	1.4	1.4	HC	Water		1958
	2	1.4	1.4	1.4	HC	Water		1958
	3	1.4	1.4	1.4	HC	Water		1961
Heber Light & Power Co								
Lake Creek (Wasatch)	1	1.5	1.2	0.3	HL	Water		1961
Snake Creek (Wasatch)	1	0.8	0.8	0.3	HL	Water		1949
Hyrum City Corp								
Hyrum (Cache)	1	0.5	0.4	0.4	HC	Water		1931
Logan City of								
Logan Diesel (Cache)	IC2	0.8	0.5	0.5	IC	FO2		1927
	IC3	0.8	0.6	0.6	IC	FO2		1927
	IC4	1.3	0.8	0.8	IC	FO2		1935
	IC5	1.5	0.8	0.8	IC	FO2		1937
	IC6	2.3	1.6	1.6	IC	FO2		1947

See footnotes at end of table.

Table C1. Jointly Owned Units by State, Company, and Plant, as of December 1986 (Continued)

State Company Plant (County)	Unit ID	Summer Capability (Megawatts)	Unit Type[1]	Primary Energy Source[1]	Status	Date	Owner Companies[2]	Percent Owned
Wisconsin								
Wisconsin Power & Light Co								
Columbia (Columbia)	1	486.7	ST	SUB	OP	1975		
	2	496.1	ST	SUB	OP	1978	Wisconsin Power & Light Co	46.20
							Wisconsin Public Service Corp	31.80
							Madison Gas & Electric Co	22.00
Edgewater (Rock)	4	328.4	ST	BIT	OP	1969	Wisconsin Power & Light Co	68.20
							Wisconsin Public Service Corp	31.80
	5	380.0	ST	BIT	OP	1984	Wisconsin Power & Light Co	75.00
							Wisconsin Electric Power Co	25.00
Wisconsin Public Service Corp								
Kewaunee (Kewaunee)	1	525.7	NP	Uranium	OP	1974	Wisconsin Public Service Corp	41.20
							Wisconsin Power & Light Co	41.00
							Madison Gas & Electric Co	17.80
Wyoming								
Basin Electric Power Coop								
Laramie River (Platte)	1	550.0	ST	SUB	OP	1980		
	2	550.0	ST	SUB	OP	1981		
	3	550.0	ST	SUB	OP	1982	Basin Electric Power Coop	42.27
							Tri-State G & T Assn Inc	24.13
							Missouri Basin Mun Power Agny	16.47
							Lincoln City of	12.76
							Heartland Consumers Power Dist	3.00
							Wyoming Municipal Power Agency	1.37
Pacific Power & Light Co								
Jim Bridger (Sweetwater)	1	485.0	ST	SUB	OP	1974		
	2	485.0	ST	SUB	OP	1975		
	3	485.0	ST	SUB	OP	1976		
	4	485.0	ST	SUB	OP	1979	Pacific Power & Light Co	66.67
							Idaho Power Co	33.33
Wyodak (Campbell)	1	315.0	ST	SUB	OP	1978	Pacific Power & Light Co	80.00
							Black Hills Corp	20.00

[1] See Appendix B for definitions of codes.
[2] Includes owners or proposed owners that have 100 percent ownership but are not the operators or proposed operators of the unit.
Notes: Where capacity appears as 0.0, reported value is less than 50 kW or estimated value is less than 500 kW.
Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."