

Wyoming Coal Directory

Compiled by Gary B. Glass

Public Information

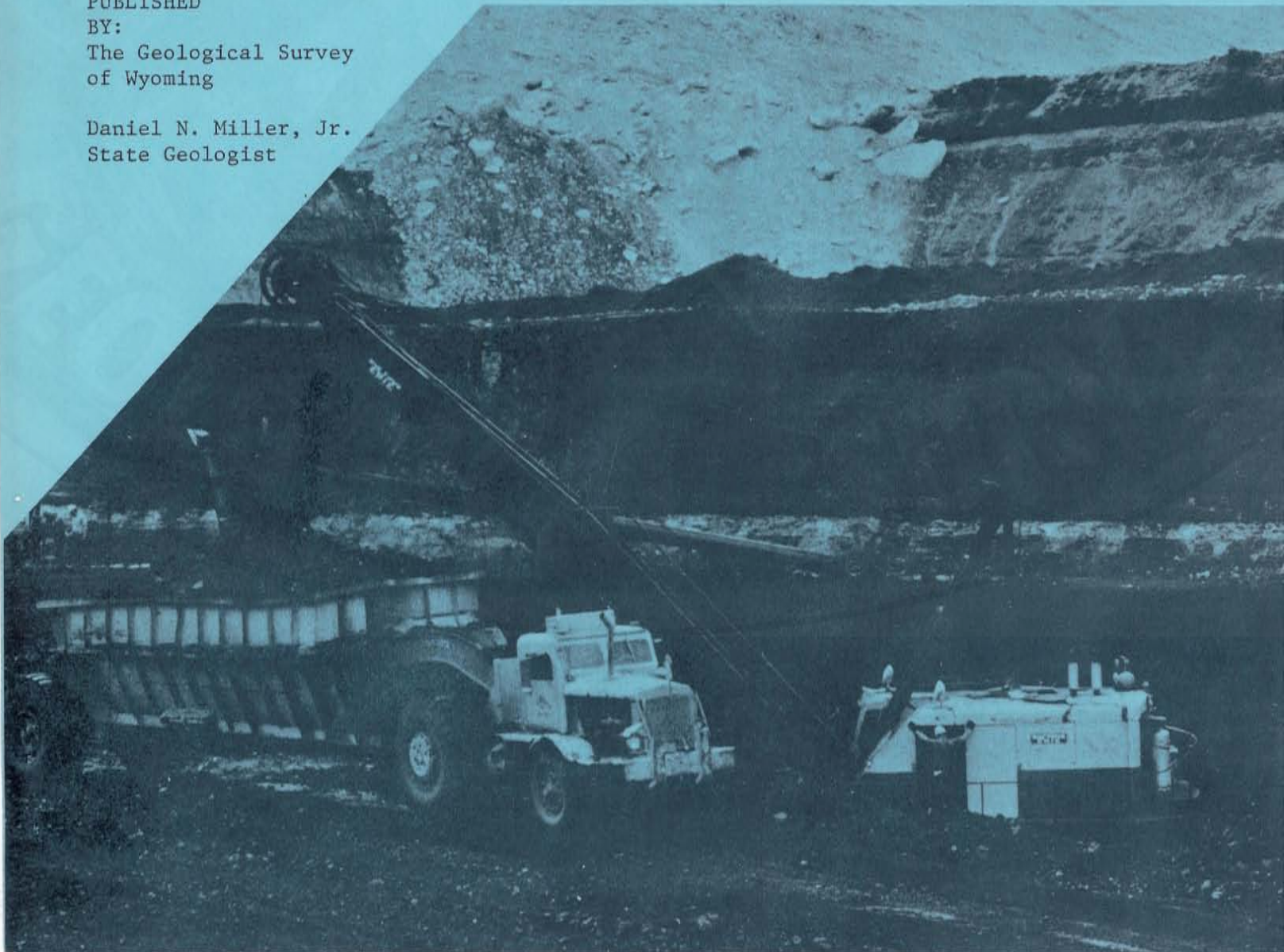
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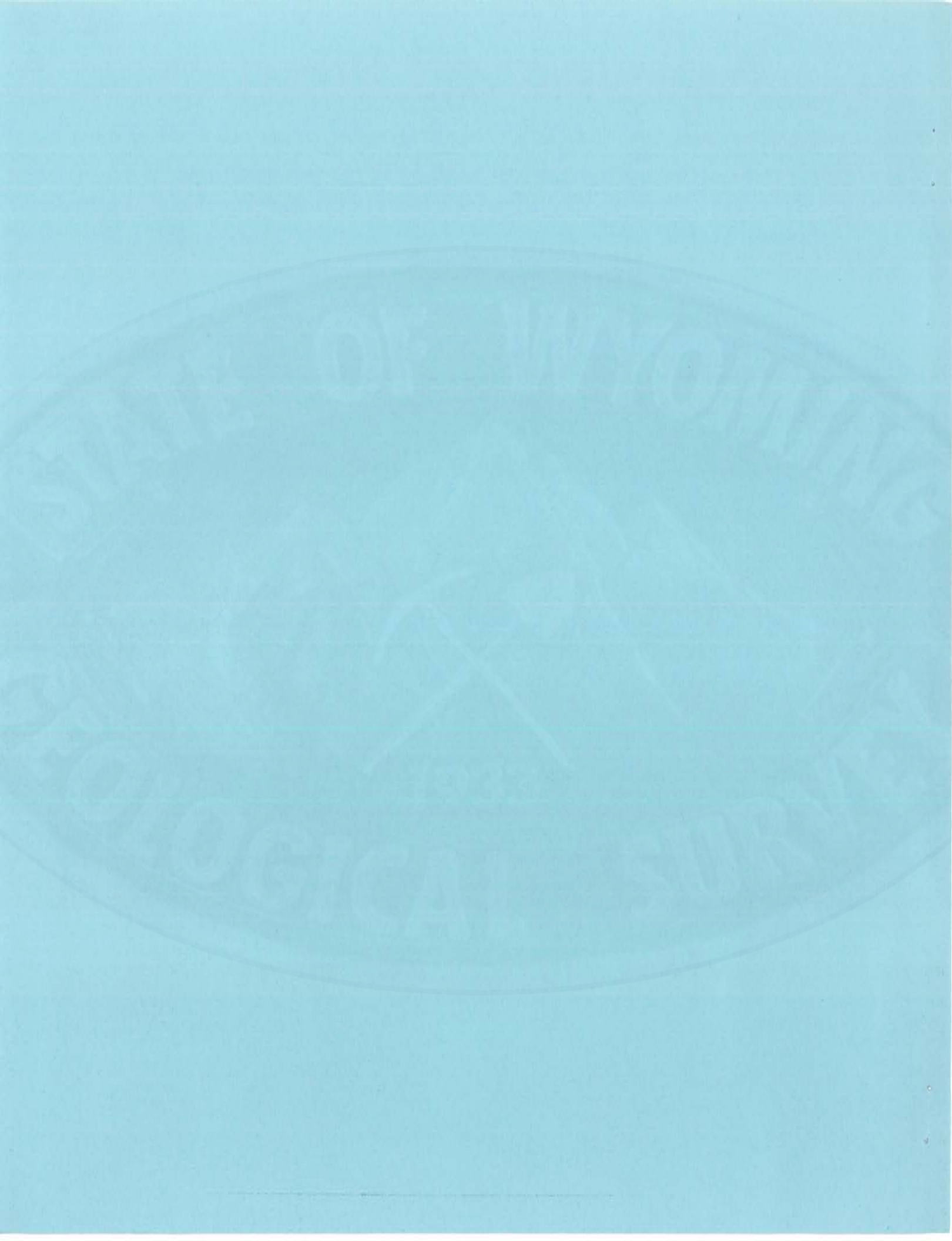
PUBLISHED

BY:

The Geological Survey
of Wyoming

Daniel N. Miller, Jr.
State Geologist





AGENCIES

COMMISSIONER OF PUBLIC LANDS

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Capitol Building
Cheyenne, WY 82002
(307) 777-7331

DEPARTMENT OF ECONOMIC PLANNING AND DEVELOPMENT

John Niland, Director
720 West 18th Street
Cheyenne, WY 82002
(307) 777-7284

Mineral Development

John T. Goodier, Chief - Mineral
Development
(Address and phone as above)

DEPARTMENT OF ENVIRONMENTAL QUALITY

Robert Sundin, Director
Randolph Wood, Air Quality
Arthur Williamson, Water Quality
Walter Ackerman, Land Quality
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Cheyenne, WY 82002
(307) 777-7391

GEOLOGICAL SURVEY OF WYOMING

Daniel N. Miller, Jr., State
Geologist and Director
Room 103, Geology Building
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Laramie, WY 82071
(307) 742-2054 or 766-2286

Coal Office

Gary B. Glass, Staff Geologist
(Address and phone as above)

NATURAL RESOURCES RESEARCH INSTITUTE

Walter E. Duncan, Division Director
Room 205, NRRI Building
Box 3038, University Station
Laramie, WY 82071
(307) 766-3322 or 766-3333

OFFICE OF INDUSTRIAL SITING ADMINISTRATION

Blaine E. Dinger, Director
Suite 500, Boyd Building
Cheyenne, WY 82002
(307) 777-7368

OFFICE OF LAND USE ADMINISTRATION

James G. Ahl, Executive Director
Suite 500, Boyd Building
Cheyenne, WY 82002
(307) 777-7368

STATE ENGINEER'S OFFICE

George Christopoulos, State Engineer
State Office Building
Cheyenne, WY 82002
(307) 772-7354

STATE INSPECTOR OF MINES

Marino Pierantoni, State Inspector
of Mines
P. O. Box 1094
Rock Springs, WY 82901
(307) 362-5222

STATE PLANNING COORDINATOR

David Freudenthal
2320 Capitol Avenue
Cheyenne, WY 82002
(307) 777-7574

U. S. BUREAU OF LAND MANAGEMENT

Dan Baker, Wyoming State Director
Bureau of Land Management Office
Federal Building
Cheyenne, WY 82001
(307) 778-2220

U. S. BUREAU OF MINES

Charles Koch
Liaison Officer for Wyoming
P. O. Box 1796
Cheyenne, WY 82001
(307) 778-2220 ext. 2481

U. S. DEPARTMENT OF AGRICULTURE

Milo Jean Hassell
Forest Service
Surface Environment and Mining
(SEAM)
145 Grand Avenue
Billings, MT 59103
(406) 245-3143

U. S. ENERGY RESEARCH AND DEVELOPMENT ADMINISTRATION

Andrew Decora, Research Director
Laramie Energy Research Center
P. O. Box 3395
365 North 9th Street
Laramie, WY 82070
(307) 742-2115

U. S. GEOLOGICAL SURVEY

Elmer M. Schell, Regional Geologist
Branch of Mineral Classification
2001 Federal Building
P. O. Box 2372
Casper, WY 82601
(307) 265-5550 ext. 3421

Northern Area

Al Czarnowsky, Mining Supervisor
Mining Branch, Conservation Division
Post Office Building
Billings, MT
(406) 245-6711 ext. 6181

Southern Area

J. Paul Storrs, Area Mining Super-
visor
Mining Branch, Conservation Division
Room 6029, Federal Building
Denver, CO 80202
(303) 234-3984

Western Area

Jack Moffitt, Area Mining Supervisor
Mining Branch, Conservation Division
8432 Federal Building
125 South State Street
Salt Lake City, UT 84111
(801) 524-5646

UNIVERSITY OF WYOMING DEPARTMENT OF MINERAL ENGINEERING

Dr. Donald L. Stinson, Head
Engineering Building, Room 436
University Station
Laramie, WY 82071
(307) 766-5186 or 766-5185

WYOMING MINING ASSOCIATION

William H. Budd, Jr., Executive
Secretary
310 West Midwest Avenue
P. O. Box 3076
Casper, WY 82601
(307) 265-7060

COAL-FIRED POWER PLANTS

BASIN ELECTRIC POWER COOPERATIVE

316 North 5th Street
Bismarck, ND 58501

(See Missouri Basin Power Project)

BLACK HILLS POWER AND LIGHT COMPANY

N. G. Simpson, President
W. G. Westre, Vice Pres. Engr.
625 Ninth Street
Rapid City, SD 57701
(605) 348-1700

Neil Simpson Plant (Air-cooled)

Campbell Co.; Wyodak, WY
T.50N., R.71W., Section 27
Capacity: 27.7 MW* (will be dis-
mantled after completion of the
Wyodak plant)
Fuel requirements: .2 mtpy*

Osage Plant

Weston Co.; Osage, WY
T.46N., R.63W., Section 15
Capacity: 34.5 MW
Fuel requirements: .24 mtpy

Proposed Wyodak Plant (Air-cooled)

Campbell Co.; Wyodak, WY
T.50N., R.71W., Section 27
Planned capacity: 330 MW by 1977
(1st unit)
Expansion: 360-660 MW by 1982
(2nd unit)
Total planned capacity: 690-990
MW by 1982
Fuel requirements: 2.5-4 mtpy
max.

IDAHO POWER COMPANY

(See Pacific Power & Light Co.'s
Jim Bridger Plant)

*tpy - tons per year

**myn - million

*mtpy - million tons per year

*MW - megawatt or 1 million watts

MISSOURI BASIN POWER PROJECT

(Joint venture of Basin Electric,
Tri-State Generation and Trans-
mission and others)

Lloyd Ernst, Wyoming Manager
1810 Capitol Avenue
Cheyenne, WY 82002
(307) 634-7955

Proposed Laramie River Station

Platte Co.; Wheatland, WY
T.25N., R.67W., Section 21
Planned capacity: 500 MW by 1979
(1st unit)
Expansion: 500 MW by 1981 (2nd unit)
500 MW by 1982-83
(3rd unit)
Fuel requirements: 5.5 mtpy max.

MONTANA-DAKOTA UTILITIES COMPANY

W. W. Kroeber, Vice President
400 N. 4th Street
Bismarck, ND 58501
(701) 224-3000

Acme Plant

Sheridan Co.; Acme, WY
T.57N., R.84W., Section 21
Capacity: 12 MW
Fuel requirements: 26,000 tpy*
(May be shut down in 1976 or 1977)

PACIFIC POWER & LIGHT COMPANY

C. P. Davenport, Vice President
920 S.W. 6th Avenue
Portland, OR 97204
(503) 243-1122

Dave Johnston Plant

Converse Co.; Glenrock, WY
T.33N., R.74W., Section 18
Capacity: 750 MW
Fuel requirements: 2.8 mtpy

Jim Bridger Plant

Sweetwater Co.; Point of Rocks, WY
T.20N., R.103W., Section 3
Capacity: 1000 MW
Expansion: 500 MW by 1978 (3rd unit)
500 MW by 1980 (4th unit)
Total planned capacity: 2000 MW by
1980's
Fuel requirements: 7.5 mtpy max.

(Pacific Power & Light cont.)

Proposed Wyodak (Air-cooled)

(See details under Black Hills
Power & Light)

Proposed Sheridan Plant

Sheridan Co.; no specific site
Planned capacity: 500 MW by mid
1980's
Fuel requirements: 1.5 mtpy
(In study stage with sites in Wash-
ington and Oregon also under consid-
eration; coal would be supplied from
a mine in Sheridan Co., WY or from
the Decker mine in MT even if the
plant wasn't built in Wyoming; con-
sidering shipping coal by rail or
slurry pipeline if necessary.)

TIPPERARY CORPORATION

Midland, TX

Proposed Ucross Plant

Sheridan or Johnson Co.; Ucross, WY
No specific site or plans given
(Status unclear at this time.)

TRI-STATE GENERATION AND TRANSMISSION ASSOCIATION, INC.

P. O. Box 29198
Northglenn, CO 80229

(See Missouri Basin Power Project)

UTAH POWER AND LIGHT COMPANY

D. L. Bryner, Vice President
P. O. Box 899
1407 West North Temple
Salt Lake City, UT 84110
(801) 350-3310

Naughton Plant

Lincoln Co.; Kemmerer, WY
T.21N., R.116W., Section 32
Capacity: 710 MW (3 units)
Expansion: 430 MW by 1978 (4th unit)
430 MW by 1979 (5th unit)
Total planned capacity: 1570 MW by
1979
Fuel requirements: 5 mtpy max.

COAL CONVERSION PLANTS

CARTER OIL COMPANY

F. L. Linauer
P. O. Box 120
Denver, CO 80201
(303) 761-6470

Type of plant: Gasification
Size of plant: 250 mmcf/day
Status: Study and planning begin
in 1974; possibly planned for the
1980's
Location: Probable site in T.51N.,
R.82W. (Campbell County)

CHAMPLIN PETROLEUM COMPANY

Fort Worth, TX

Type of plant: Gasification
Size of plant: 250 mmcf/day
Status: Studying feasibility
Location: Southern Wyoming

COLORADO INTERSTATE GAS COMPANY

2951 Chambers Road
Denver, CO 80239
(303) 364-2631

Type of plant: Gasification
Size of plant: Unspecified
Status: Studying feasibility
Location: Southwestern Wyoming
(Sweetwater County)

NORTHERN NATURAL GAS COMPANY

(Joint venture with Peabody Coal
Co. and Cities Service Gas Co.)

J. R. Brady
2223 Dodge Street
Omaha, NE 68102
(402) 348-4979

Type of plant: Gasification
Size of plant: 250 mmcf/day
Status: Studying feasibility of
building four plants in Montana
and/or Wyoming; current status
unclear
Location: Montana and Wyoming

PANHANDLE EASTERN PIPE LINE COMPANY

G. J. Kurk, Vice President
P. O. Box 1642
Houston, TX 77001

(See Wyoming Coal Gas Company)

TEXACO, INC.

Jim Logan
Wyoming Division
Story, WY 82842
(307) 683-2830

Type of plant: Gasification
Size of plant: Demonstration
Status: Filed application for joint
funding by ERDA in 1975
Location: Sheridan or Johnson County

WYOMING COAL GAS COMPANY

(Joint venture of Wy Coal Gas, Inc.,
a subsidiary of Panhandle Eastern
Pipe Line Co., and Rochelle Coal Co.,
a subsidiary of Peabody Coal Co.)

H. R. Newsom
P. O. Box 1642
Houston, TX 77001
(713) 664-3401 or 800-442-6910 (a
toll free information number)

Type of plant: Gasification
Size of plant: 270 mmcf/day
Status: Planned for completion in
1979-1980
Location: T.35N., R.70W., Section
14 (Converse County)
Coal requirements: 9.2 mtpy
Water requirements: 4,750-11,000
acre ft./yr.

COAL MINES

AMAX COAL COMPANY

W. H. Hopper, President
105 S. Meridian Street
Indianapolis, IN 46225
(317) 266-2626

or

Jack Lautenschlager, General Manager
205 Ross
Gillette, WY 82716
(307) 682-8857

Federal coal leases: 2 leases
totaling 5,880.31 acres (Campbell
County)

State coal leases: 1 lease of 640
acres (Campbell County)

Belle Ayr South (strip)

P. O. Box 1880
Gillette, WY 82716
(307) 682-7295

Campbell Co.; south of Gillette
T.48N., R.71W., Section 34
Coal field: Powder River
Coal name: Wyodak-Anderson
Rank: Subbituminous
Coal thickness: 70 ft.
Overburden: 15-200 ft. (30 ft. now)
Mining method: Shovel-truck
Opened: 1972
1974 production: 3,301,472 tons
Est. 1975 production: 5 myn** tons
Est. 1980 production: 10-15 myn
tons
Employees, 1974: 51
Est. employees, 1975: 150
Est. employees, 1980: 250
Est. employees, 1985: 300
Unit trains, 1975: 7-9 trains/week
Est. total reserves: 400 myn tons

Proposed Belle Ayr North (strip)

Campbell Co.; north of Gillette
T.51N., R.72W., Section 27
Coal field: Powder River
Coal name: Wyodak-Anderson
(2 benches)
Rank: Subbituminous
Coal thickness: 50-120 ft; 15-80 ft.
Overburden: max. 200 ft.
Mining method: Unknown
Opened: Planned for 1977
Est. 1985 production: 15-20 myn tons
Est. employees, 1980: 250
Est. employees, 1985: 300
Est. total reserves: 500 myn tons

(Amax Coal Company cont.)

Amax Contracts

American Electric Power Co. (AEP),
New York, NY
Barges some coal into the Ohio
River Valley; no details

Indiana & Michigan Electric Co. (AEP)
Sullivan, IN
25 yr. contract for est. 200 myn
tons @ 7-10 mtpy; begins 1976;
for 2600 MW power plant (probably
expansion of Breed Plant)

Iowa Southern Utilities Co.
Burlington, IA
No contract details; may no longer
be active; began before 1975; for
207 MW Burlington Plant.

Kansas Gas and Electric Co. and
Kansas City Power & Light Co.
La Cygne (Kansas City), MO
20 yr. contract for est. 20 myn
tons @ 1 mtpy begins 1976; for
630 MW La Cygne Station power plant.

Kansas Power & Light Co.
St. Mary's (Topeka), KS
40 yr. contract for 200 myn tons
@ est. 5 mtpy; begins 1978; for
2800 MW power plant.

Portland General Electric Co.
Boardman, OR
24 yr. contract for est. 30 myn
tons @ 1.2 mtpy; begins 1979; for
550 MW Boardman Station (Est. \$6-
6.50 per ton FOB mine).

Public Service Company of Colorado
Denver, CO.
No contract details; began in 1973;
for power plant (est. 1 mtpy).

Public Service Company of Colorado
Pueblo, CO
20 yr. contract for 20 myn tons @
est. 1 mtpy began 1973; for 350
MW Comanche Plant.

Southwestern Electric Power Co.
Avinger (Cason), TX
25 yr. contract for 42.5 myn tons
@ est. 3.5 mtpy begins 1976; for
528 MW Welsh Plant and 530 MW
Cason Plant

Southwestern Electric Power Co. and
Arkansas Electric Co-Operative Corp.
Siloam Springs, AR
Contract for 1.75 mtpy begins 1980;
no other details; for 530 MW Flint
Creek Plant

Est. 1980 production based on these
contracts is 24.5 mtpy.

ARCH MINERAL CORPORATION

(Joint venture of Hunt Enterprises
and Ashland Oil Co.)

W. G. Heckman, President
500 N. Broadway
St. Louis, MO 63102
(314) 231-1010

Federal coal leases: 10 leases
totaling 11,815.99 acres (Carbon
County) lessee listed as Ark Land
Co. or Medicine Bow Coal Co.
State coal leases: 90 leases total-
ing 84,253.35 acres (9 counties)

Seminole No. 1

John Hamby, Mine Superintendent
Box 459
Hanna, WY 82327
(307) 325-6581

Carbon Co.; west of Hanna
T.22N., R.83W., Section 7
Coal field: Hanna
Coal names: Bed No. 24, Bed No. 25
Rank: Subbituminous
Coal thickness: 19-22 ft., 4-7 ft.
Overburden: 40-200 ft.
Mining method: Dragline
Opened: 1972
1974 production: 3,142,400 tons
Est. 1975 production: 3 myn tons
Est. 1980 production: 3 myn tons
Employees, 1974: 101
Est. employees, 1975: 135
Est. employees, 1980: 135
Unit trains, 1974: 6-7 trains/week
Est. total reserves: 75 myn tons

Seminole No. 2 (strip)

Bob Wunderlich, Mine Superintendent
(Address as above)
(307) 325-6556

Carbon Co.; north of Hanna
T.22N., R.81W., Section 4
Coal field: Hanna
Coal name: Hanna No. 2
Rank: Subbituminous
Coal thickness: 35 ft.
Overburden: 40-250 ft.
Mining method: Dragline
Opened: 1972
1974 production: 2,589,752 tons
Est. 1975 production: 2.5 myn tons
Est. 1980 production: 1.9-2.3 myn
tons
Employees, 1974: 70
Est. employees, 1975: 70
Est. employees, 1980: 70
Unit trains, 1974: 4-5 trains/week
Est. total reserves: 75 myn tons

(Arch Mineral Corp. cont.)

Proposed China Butte Area
(strip)

(Joint venture with Rocky Mountain
Energy Co.)

Carbon Co.; southwest of Rawlins
T.18N., R.91W.
Coal field: Little Snake River
Opened: proposed for late 1970's or
early 1980's
Est. 1980 production: 1-3 myn tons
Unit trains: Probably

Arch Mineral Contracts

Commonwealth Edison Co.
Hammond, IN and Waukegan, IL
Contract for est. 3 mtpy began
1973; no other details; for 944 MW
State Line Plant and 1047 MW
Waukegan No. 1 Plant.

Kansas City Power & Light Co.
Kansas City, MO
Contract for 1 mtpy began 1973;
no other details; for power plant.

Wisconsin Electric Power Co.
Milwaukee, WI
11 yr. contract for 8 myn tons @
est. 750,000 tpy; for 1500 MW Oak
Creek Plant

Other miscellaneous shipments to
Nebraska and Iowa power plants.

Est. 1980 production based on these
contracts is 4.9 mtpy.

ATLANTIC RICHFIELD

Hugh Evans, Coal Operations Manager
1500 Security Life Building
Denver, CO 80202
(303) 266-3741

or

Brook Beaird
316 South Gillette Avenue
Gillette, WY 82716

Federal coal leases: 3 leases total-
ing 11,684.31 acres (Campbell
County)

State coal leases: 32 leases total-
ing 32,757.73 acres (Campbell and
Converse Counties)

(Atlantic Richfield cont.)

Proposed Black Thunder
(strip)

Campbell Co.; south of Gillette
T.43N., R.70W., Section 27
Coal field: Gillette
Coal name: Wyodak-Anderson
Rank: Subbituminous C
Coal thickness: 60-73 ft.
Overburden: 15-240 ft.
Mining method: Shovel-truck
Opened: Planned for 1977
Est. 1980 production: 10 myn tons
Est. employees, 1980: 225-250
Unit trains: Planned
Est. total reserves: 725 myn tons

Proposed Coal Creek
(strip)

Campbell Co.; south of Gillette
T.46N., R.70W., Section 18
Coal field: Gillette
Coal name: Wyodak-Anderson
Opening: Planned for late 1970's
Est. 1980 production: 5-10 myn tons
Est. employees, 1980: 250

Atlantic Richfield Contracts

Nebraska Public Power District
Sutherland, NB
20 yr. contract for est. 36 myn
tons @ 1.8 mtpy begins 1977; for
600 MW Gerald Gentleman Station

Oklahoma Gas & Electric Co.
Muskogee, OK
20 yr. contract for est. 60 myn
tons @ 3 mtpy begins 1976; for
1100 MW Muskogee Plant

Southwestern Public Service Co.
Amarillo, TX
20 yr. contract for est. 40 myn
tons @ 2 mtpy begins 1975; for
720 MW Harrington #1 Plant

Est. 1980 production based on these
contracts is 6.8 mtpy.

BEST COAL COMPANY

Wayne Brannon, Owner & Operator
General Delivery
Bill, WY 82631
(307) 358-2795

Federal coal leases: 1 lease of
40 acres
State coal leases: none

(Best Coal Company cont.)

East Antelope
(strip)

Converse Co.; northern boundary line
T.41N., R.71W., Section 35
Coal field: Gillette
Coal name: Anderson ("D")
Rank: Subbituminous
Coal thickness: 20 ft. mined
Overburden: 25-35 ft.
Mining method: Front-end loader
Opened: 1946?
1974 production: None (apparently
closed)
Employees, 1974: none
Unit trains: No

Best Coal Co. Contracts

Small domestic markets in Wyoming
and Montana.

BIG HORN COAL COMPANY

(Subsidiary of Peter Kiewit Sons, Co.)

John F. Ratchye, Vice President
Box 724
Sheridan, WY 82801
(307) 672-3401 or 674-6415

Federal coal leases: 1 lease of 80
acres (Sheridan County)
State coal leases: 1 lease of 640
acres (Sheridan County)

Big Horn No. 1
(strip)

Ed Temple, Mine Superintendent
(Address and phone as above)

Sheridan Co.; north of Sheridan
T.57N., R.84W., Section 22
Coal field: Sheridan
Coal names: Monarch, Dietz #3;
Dietz #2

Rank: Subbituminous
Coal thickness: 22-26 ft., 21-25 ft.,
10-11 ft.

Overburden: 15-250 ft.
Mining method: Scraper-shovel-truck
Opened: 1944
1974 production: 997,247 tons
Est. 1975 production: 1 myn tons
Est. 1980 production: 1.5 myn tons
Employees, 1974: 69
Est. employees, 1975: 69
Est. employees, 1980: 69
Unit trains: No

(Big Horn Coal Co. cont.)

Big Horn Contracts

Illinois Power Co.

Havana, IL

Contract began prior to 1974; no other details; for 260 MW Havana Plant

Kansas City Power & Light Co.

Kansas City, MO

Contract for est. 350,000 tpy began before 1973; no other details; for power plant

Northern States Power Co.

Sioux Falls, SD

Contract began before 1973; no other details; for 45 MW Lawrence Plant

Northwestern Public Service Co.

Aberdeen & Mitchell, SD

Contract began before 1973; no other details; for 12.5 MW Aberdeen Plant and 12.5 MW Mitchell Plant

Also marketed to Great Western Sugar in Nebraska and Montana; Montana-Dakota Utilities in Wyoming; other industrial and domestic users in South Dakota, Idaho, Iowa, North Dakota, Minnesota, Washington, and Wyoming

Est. 1980 production from these contracts is 1.5 million tons.

BITTER CREEK COAL COMPANY

(Subsidiary of Rocky Mountain Energy Company)

Suite 500, 1st National Bank Bldg.

621 17th Street

Denver, CO 80202

(303) 893-3737

(See Black Butte Coal Co.)

BLACK BUTTE COAL COMPANY

(Joint venture of Bitter Creek Coal Co., a subsidiary of Rocky Mountain Energy Co., and Wytana, Inc. a subsidiary of Peter Kiewit Sons, Co.)

P. O. Box 724

Sheridan, WY 82801

(307) 672-3401

Federal coal leases: 5 leases totaling 14,900 acres were issued in

March 1976 under Rosebud Coal Sales

State coal leases: None

(Black Butte Coal Co. cont.)

Proposed Black Butte (strip)

Sweetwater Co.; near Point of Rocks

T.19N., R.100W., Section 27

Coal field: Rock Springs

Coal names: Deadman, Ute, Lebar, Nuttall, Overland, Gibraltar, Black Butte, Maxwell, and Hall

Rank: Subbituminous

Coal thickness: 5-26 ft.

Overburden: 40-150 ft.

Mining method: Dragline

Opened: Planned for 1977

Est. 1980 production: 4-4.5 myn tons

Est. 1980 employees: 200-220

Unit trains: Planned

Est. total reserves: 83 myn tons

Black Butte Contracts

Idaho Power Co.

Near Boise, ID

20 yr. contract for 82.6 myn tons

@ 4-4.5 mtpy begins 1977; for

1000 MW power plant

Est. 1980 production from this contract is 4-4.5 mtpy.

BRIDGER COAL COMPANY

(Subsidiary of Pacific Power & Light Company)

920 S. W. 6th Avenue

Portland, OR 97204

(503) 226-7411

Federal coal leases: 3 leases totaling 8,435.68 acres (Sweetwater County)

State coal leases: 1 lease of 1,280 acres (Sweetwater County)

Jim Bridger

(strip)

Andrew Franklin, Mine Manager

P. O. Box 1688

Rock Springs, WY 82901

(307) 382-9741

(Bridger Coal Co. cont.)

Sweetwater Co.; near Point of Rocks

T.21N., R.100W., Section 20

Coal field: Rock Springs

Coal names: Deadman (upper & lower)

Rank: Subbituminous

Coal thickness: 15-30 ft.

Overburden: 40-150 ft.

Mining method: Dragline

Opened: 1974

1974 production: 735,349 tons

Est. 1975 production: 1.8 myn tons

Est. 1980 production: 7.5 myn tons

Employees, 1974: 50

Est. employees, 1975: 50

Est. employees, 1980: 200

Unit trains: No; mine mouth plant

Est. total reserves: 140 myn tons

Jim Bridger Contracts

Pacific Power & Light Co. and Idaho Power Co.

Point of Rocks, WY

140 myn tons are dedicated to the

2000 MW Jim Bridger Plant @ up to

7.5 mtpy

CARTER MINING COMPANY

(Subsidiary of Exxon Corporation)

C. E. Smith, Jr., President

P. O. Box 120

Denver, CO 80201

(303) 761-2950

or

Box 209

Gillette, WY 82716

(307) 682-7253

Federal coal leases: 4 leases totaling 15,570.5 acres (Campbell County)

State coal leases: 158 leases totaling 152,655.19 acres (4 counties)

Proposed North Rawhide

(strip)

Campbell Co.; north of Gillette, WY

T.51N., R.72W., Section 13

Coal field: Powder River

Coal name: Wyodak-Anderson (2 benches)

Rank: Subbituminous

Coal thickness: 25 and 82 ft.

Overburden: 20-240 ft.

Mining method: Shovel-truck-scraper

Opened: Planned for late 1976 or 1977

Est. 1980 production: 5-12 myn tons

Est. 1985 production: 22 myn tons

Est. 1980 employees: 300

Unit trains: Planned

Est. total reserves: 680 myn tons

(Carter Mining Co. cont.)

Proposed Coballo
(strip)

Campbell Co.; south of Gillette
T.48N., R.71W., Section 16
Coal field: Powder River
Coal name: Wyodak-Anderson
Rank: Subbituminous
Coal thickness: est. 70 ft.
Overburden: 20-200 ft.
Mining method: Probably shovel-
truck-scraper
Opened: Planned for late 1976 or
1977
Est. 1980 production: 2-5 myn tons
Est. 1980 employees: 150
Unit trains: Planned
Est. total reserves: Unknown

(Announced intentions to open this
mine on State and private lands be-
cause of the lack of a federal min-
ing permit at the North Rawhide
Mine. Current status unclear.)

Carter Contracts

Indiana & Michigan Electric Co. (AEP)
IN
30 yr. contract for 150 myn tons
@ 5 mtpy begins 1976; for 1300
MW power plant

Omaha Public Power District
Nebraska City, NB
20 yr. contract for 31.6 myn tons
@ 1.5 mtpy; begins 1978 (Est.
\$5.20-5.30 per ton)

COLUMBINE MINING COMPANY

(Affiliate of Midcontinent Coal &
Coke of Colorado)

J. A. Reeves, President
P. O. Box 158
Carbondale, CO 81623

or

P. O. Box 1356
Rock Springs, WY 82901
(307) 362-3078

Federal coal leases: 1 lease of
1,751.54 acres (Sweetwater County)
State coal leases: None

Rainbow No. 8
(deep)

Jim Diamanti, Mine Foreman
P. O. Box 158
Rock Springs, WY 82901
(307) 362-3078 or 382-9691

Sweetwater Co.; near Rock Springs
T.18N., R.105W., Section 23
Coal field: Rock Springs
Coal name: No. 7 seam

(Columbine Mining Co. cont.)

Rank: Bituminous
Coal thickness: 4-6 ft.
Maximum depth: 300+ ft.
Mining method: Continuous miners
and conventional
Opened: 1972
1974 production: 103,019 tons
Est. 1975 production: 100,000 tons
Est. 1980 production: 200,000 tons
Employees, 1974: 70
Est. employees, 1975: 70
Est. employees, 1980: 70
Unit trains: No

Columbine Contracts

Entire production is converted into
synthetic coke at mine mouth plant.
Coke is sold to Monsanto Company's
phosphorous plant, Soda Springs, ID
(formerly owned by Gunn-Quealy Coal
Company).

DANA COAL COMPANY

(Subsidiary of Arch Mineral Corp.)

W. G. Heckman, President
319 North 4th Street
St. Louis, MO 63102
(314) 231-1010

(See Medicine Bow Coal Company.)

DRAVO CORPORATION

Robert Dickey, III
One Oliver Plaza
Pittsburgh, PA 15222

(See Rocky Mountain Energy Company.)

EL PASO NATURAL GAS COMPANY

(Joint venture with Western Fuel
Association)

John P. Jones, Manager
P. O. Box 1492
El Paso, TX 79978

Federal coal leases: Only prospec-
ting permits
State coal leases: None

Proposed Thunderbird
(strip)

Campbell and Johnson Co.; east of
Buffalo

T.50N., R.76W.
Coal field: Powder River
Coal names: Felix and Ulm
Rank: Subbituminous
Coal thickness: 12-15 ft.
Overburden: Less than 150 ft.

(El Paso Natural Gas Co. cont.)

Mining method: Unspecified
Opened: Planned for late 1970's
Est. 1980 production: 3-5 myn tons
Est. 1980 employees: Unspecified
Unit trains: Probable

El Paso Contracts

Western Fuel Association for 1500
MW Laramie River Station, Wheatland,
WY, and for unspecified power plants
in Colorado, North Dakota and Louis-
iana. No details on contracts.

ENERGY DEVELOPMENT COMPANY

(Subsidiary of Iowa Public Service
Company)

Frank Griffith, President
Box 778
Sioux City, IA 55102
(712) 277-7500

or

E. F. Ziolkowski, Vice President
Harry Hedgepeth, Mine Manager
P. O. Box 36
Hanna, WY 82327
(307) 325-6566 or 325-6725

Federal coal leases: None
State coal leases: 1 lease of 640
acres (Carbon County)

Rimrock
(strip)

Thomas Bennett, General Superintendent
Resource Exploration & Mining
Box 6
Hanna, WY 82327
(307) 325-6633

Carbon Co.; west of Hanna
T.22N., R.82W., Sections 4 & 9
Coal field: Hanna
Coal name: Brooks
Rank: Subbituminous
Coal thickness: 7.5 ft.
Overburden: 40-80 ft.
Mining method: Dragline
Opened: 1970
1974 production: 594,070 tons
Est. 1975 production: 600,000 tons
Est. 1980 production: ?
Employees, 1974: 63
Est. employees, 1975: 63
Unit trains: See Vanguard No. 2

(Energy Development Co. cont.)

Vanguard No. 1
(deep)

Carbon Co.; west of Hanna
T.22N., R.82W., Section 8
Coal field: Hanna
Coal name: Bed No. 65
Rank: Subbituminous
Coal thickness: 9 ft
Maximum depth: 300-400 ft.
Mining method: Continuous miners
Opened: 1971
1974 production: Included with
Vanguard No. 2
Est. 1975 production: Mine closed

Vanguard No. 2
(deep)

Doyce Easterling, General Mine
Foreman
P. O. Box 36
Hanna, WY 82327
(307) 325-6566

Carbon Co.; west of Hanna
T.22N., R.82W., Section 18
Coal field: Hanna
Coal name: Bed No. 50
Rank: Subbituminous
Coal thickness: 9.5 ft.
Maximum depth: 300 ft.
Mining method: Continuous miners
and conventional
Opened: 1974
1974 production: 417,605
Est. 1980 production: 1-2 myn tons
Employees, 1974: 60
Est. employees, 1980: 60
Unit trains: 2-3 trains/week

Vanguard No. 3

(Address and phone as above)

Carbon Co.; west of Hanna
T.22N., R.82W., Section 7
Coal field: Hanna
Coal name: Bed No. 65
Rank: Subbituminous
Coal thickness: 9 ft.
Maximum depth: Unknown
Mining method: Continuous miners
and conventional
Opened: 1975
Est. 1976 production: 200,000 tons
Est. 1980 production: 300,000 tons
Est. Employees, 1975: 60
Est. employees, 1980: 60
Unit trains: See Vanguard No. 2

(Energy Development Co. cont.)

Proposed Red Rim Area
(strip)

(Joint venture with Rocky Mountain
Energy Co.)

Carbon County; southwest of Rawlins
T.20N., R.90W.
Coal field: Little Snake River
Coal name: Unspecified
Opened: Planned for 1979-1980
Est. 1980 production: 2-2.5 myn
tons
Est. employees, 1980: 100
Unit trains: Probable

Energy Contracts

Iowa Public Service Co.
Salix, IA
All production now dedicated to
the 520 MW George Neal Plant

FALCON COAL CO., INC.

J. L. Jackson, President
P. O. Box 629
Jackson, KY 41339
(606) 666-7581

Proposed
(strip)

Campbell Co.; south of Gillette
T.51N., R.74W., Section 18, SW 1/4
Coal field: Powder River
Coal name: Felix
Rank: Subbituminous
Coal thickness: Unspecified
Overburden: Unspecified
Mining method: Unspecified
Opened: Planned for 1977 or later
Est. 1977 production: 350,000 tons
Unit trains: Unlikely

FMC COAL COMPANY

609 W. Maple Street
Pocatello, ID 83201

Federal coal leases: 3 leases total-
ing 3,968 acres (Uinta and Lincoln
Counties)
State coal leases: None

Proposed FMC
(strip)

Phil Mason
Box 431
Kemmerer, WY 83101
(307) 877-4475

(FMC Coal Company cont.)

Lincoln Co.; south of Kemmerer
T.20N., R.117W., Section 27
Coal field: Kemmerer
Coal names: Adaville No. 1
Rank: Subbituminous
Coal thickness: 40-60 ft.
Overburden: 40-120 ft.
Mining method: Unknown
Opened: Planned for 1976
Est. 1976 production: 600,000 tons
Est. 1980 production: 1-2 myn tons
Est. 1976 employees: 50-60
Est. 1980 employees: 80-100
Unit trains: No

FMC Contracts

Most production will go to the FMC's
Green River trona plant, Green
River, Wyoming; some to FMC's pro-
cess coke plant, Kemmerer, WY

HANNA BASIN COAL COMPANY

(Subsidiary of Rocky Mountain Energy
Company)

Suite 900, 621 17th Street
Denver, CO 80202
(303) 893-3737

(See Medicine Bow Coal Co.)

IDEAL BASIC INDUSTRIES, INC.

Mayfield R. Shilling, President
821 17th Street
Denver, CO 80202
(303) 222-5661

(See Stansbury Coal Company)

KEMMERER COAL COMPANY

John L. Kemmerer, Jr., Chairman
120 Broadway
New York, NY 10005
(212) 732-0191

or

Roy Coulson, President
Frontier, WY 83121
(307) 877-4452

Federal coal leases: 6 leases total-
ing 6,584.81 acres (Lincoln Co.)
State coal leases: 41 leases total-
ing 40,391.65 acres (3 counties)

(Kemmerer Coal Company cont.)

Elkol
(strip)

Mike Zakotnik, Jr., General Mgr.
Frontier, WY 83120
(307) 877-4452

Lincoln Co.; near Kemmerer
T.21N., R.116W., Section 20
Coal field: Kemmerer
Coal name: Adaville No. 1
Rank: Subbituminous B
Coal thickness: 50-120 ft.
Overburden: 130-160 ft.
Mining method: Scraper-shovel-truck
Opened: 1950
1974 production: 916,322 tons
Est. 1975 production: 900,000 tons
Est. 1980 production: 1 myn tons
Employees, 1974: 48
Est. employees, 1975: 50
Est. employees, 1980: 80
Unit trains: No

Sorensen
(strip)

Mike Zakotnik, General Manager
(Address and phone same as above)

Lincoln Co.; near Kemmerer
T.21N., R.116W., Section 19, 20, 31
and T.20N., R.117W., Sections 2,
3, 10
Coal field: Kemmerer
Coal names: Adaville No. 2 thru
Adaville No. 11
Rank: Subbituminous B
Coal thickness: 4-35 ft.
Overburden: 25-140 ft. (total re-
lief in Big Pit approx. 300-400 ft.)
Mining method: Combination of
scrapers, draglines, shovels, and
trucks
Opened: 1963
1974 production: 2,436,835 tons
Est. 1975 production: 2.5 myn tons
Est. 1980 production: 3-5 myn tons
Employees, 1973: 352
Est. employees, 1975: 352
Est. employees, 1980: 400
Unit trains: No

Proposed North Block Mine Area
(strip)

Lincoln Co.; northwest of Kemmerer
T.21N., R.116W., Section 5
Coal field: Kemmerer
Coal name: Adaville seams
Rank: Subbituminous
Coal thickness: 2.5-38 ft.
Overburden: 40-240 ft. est.
Mining method: Dragline
Opened: ? Planned for 1978-1980
Est. 1980 production: 2.4 myn tons
Est. employees, 1980: Unspecified
Unit trains: No

(Kemmerer Coal Company cont.)

Kemmerer Contracts

Allied Chemical Co.
Green River, WY
Contract for up to 600,000 tons
per yr., began 1973; no other de-
tails, for Allied's trona plant

Amalgamated Sugar Co.
Id and OR
Contract for several hundred thou-
sand tons per yr.; no other details;
for beet sugar factories

Utah Power & Light Company
Kemmerer, WY
23 yr. contract for est. 100 myn
tons @ 2.5-5 mtpy began prior to
1973; uses all coal mined from the
Sorensen mine; for 710 MW Naughton
Plant (under expansion to 1540 MW)

Miscellaneous cement and domestic
contracts in Utah, Wyoming and
Nebraska

Est. 1980 production based on these
contracts is 4-6 myn tons

KERR-McGEE COAL CORPORATION

(Subsidiary of Kerr-McGee Corporation)

Frank A. McPherson, President
North Walker
Kerr-McGee Bldg.
Oklahoma City, OK 73102
(405) 236-1313

or

405 Church Street
Gillette, WY 82716
(307) 682-4721

or

Roy Smith, Wyoming Manager
508 North Fenway
Casper, WY 82601
(307) 265-7811

Federal coal leases: 5 leases total-
ing 8,695.19 acres (Campbell Co.)
State coal leases: 14 leases total-
ing 6,010.06 acres (4 counties)

Proposed Jacobs Ranch
(strip)

Campbell Co.; south of Gillette
T.43N., R.70W., Section 15
Coal field: Gillette
Coal name: Wyodak-Anderson (3 benches)
Rank: Subbituminous
Coal thickness: 8 ft; 43 ft; 6 ft.
Overburden: 10-150 ft.
Mining method: Shovel-truck
Opened: Planned for 1977

(Kerr-McGee Coal Corp. cont.)

Est. 1980 production: 9-16 myn tons
Est. employees, 1980: 300 max.
Unit trains: Planned
Est. total reserves: 300 myn tons

Proposed East Gillette
(strip)

Campbell Co.; east of Gillette
T.50N., R.71W., Section 16
Coal field: Gillette
Coal name: Wyodak-Anderson
Rank: Subbituminous
Coal thickness: 50-75 ft.
Overburden: Less than 200 ft.
Mining method: Unspecified
Opened: Planned for 1978-1979
Est. 1980 production: 5-11 myn tons
Est. 1985 production: 15-20 myn tons
Est. employees, 1980: 300 max.
Unit trains: Planned
Est. total reserves: 390 myn tons

Kerr-McGee Contracts

Arkansas Power & Light Co.
White Bluffs near Redfield, AR
20 yr. contract for 100 myn tons
@ 5 mtpy begins 1977; 10 yr option
on another 50 myn tons; for 1600
MW White Bluff Plant

Central Louisiana Electric Co.
Boyce, LA
20 yr. contract for 34 myn tons @
est. 1.75 mtpy begins 1978; 10 yr.
option on another 16 myn tons; for
430-450 MW Rodemaker Station

Gulf States Utilities Co.
Westlake near Lake Charles, LA
20 yr. contract for 50 myn tons @
est. 2.5 mtpy begins 1977; for two
540-550 MW power plants

Public Service Company of Oklahoma
16 yr. contract for 50 myn tons @
est. 3.6 mtpy; begins 1978; for
1080 MW Northeastern plant at
Oologah, OK

Est. 1980 production based on these
contracts is 13.6 myn tons.

MAPCO COALS, INC.

(Division of Mapco, Inc.)

Frederick N. Murray, Chief Geologist
Manager of Exploration and Land
P. O. Box 3144
Casper, WY 82601
(307) 265-1410

Federal coal leases: None
State coal leases: 148 leases total-
ing 138,226.88 acres (5 counties)

(Hold a large number of contiguous
state coal leases in Sheridan and
Johnson counties; plans not yet
announced).

MEDICINE BOW COAL COMPANY

(Joint venture of Hanna Basin Coal Co., a subsidiary of Rocky Mountain Energy Co., and Dana Coal Co., a subsidiary of Arch Mineral Corp.)

Cedric Hustace, Secretary
550 North Broadway
St. Louis, MO 63102
(314) 231-1010

Federal coal leases: Listed under
Arch Mineral (Ark Land)
State coal leases: Listed under
Arch Mineral (Ark Land)

Medicine Bow (strip)

Gene Grubaugh, Mine Superintendent
Box R
Hanna, WY 82327
(307) 325-6586

Carbon Co.; west of Hanna
T.23N., R.83W., Section 32
Coal field: Hanna
Coal names: Bed Nos. 62; 63; 64; 65;
66

Rank: Subbituminous
Coal thickness: 3-10 ft.
Overburden: 20-200 ft.
Mining method: Dragline
Opened: 1975
Est. 1975 production: 1.5 myn tons
Est. 1980 production: 3-3.6 myn tons
Est. employees, 1975: 135
Est. employees, 1980: 200-300
Unit train: 2-3 trains/week
Est. total reserves: 36 myn tons

Medicine Bow Contracts

Iowa Public Service Co.
Sioux City, IA
Long term contract, but no details;
possibly going to the 104 MW May-
nard Plant, Waterloo, IA

Kansas City Power & Light Co.
Topeka, KS
Long term contract, but no details.

Northern Indiana Public Service Co.
Wheatfield, IN
10 yr. contract for 15 myn tons @
est. 1.5 mtpy begins 1975; for 500
MW Kankakee Valley Plant

Est. 1980 production based on these
contracts is 3.0 myn tons.

MOBIL OIL CORPORATION

E. C. Hixson, Exploration Manager
P. O. Box 5444
Denver, CO 80217
(303) 572-3636

(Holds large coal leases in Campbell
and Johnson Counties; plans not yet
announced; possible coal conversion
plant in late 1980's; large contig-
uous blocks of State coal leases in
Johnson County contain an estimated
500 myn tons of coal.)

NORTHWESTERN RESOURCES

(Subsidiary of Western Energy Co.,
Billings, Montana)

Roger C. Rice, Sr., Exploration
Geologist
113 North Broadway
Billings, MT 59101
(406) 252-2277

Federal coal leases: 1 lease of 120
acres (Hot Springs County)
State coal lease: 4 leases totaling
1,969.6 acres (Hot Springs County)

Proposed Grass Creek (strip)

(Address same as above)

Hot Springs Co.; near Grass Creek
T.46N., R.99W., Section 26
Coal field: Grass Creek
Coal name: Mayfield; Gwin
Rank: Subbituminous
Coal thickness: 24-32 ft.; unspeci-
fied

Overburden: thin
Mining method: Front-end loader
Opened: Planned for 1976
Est. 1976 production: 10,000 tons
Est. 1980 production: 0.7-1.0 myn
tons

Est. employees, 1976: 2
Est. employees, 1980: 35-50
Unit trains: No
Est. total reserves: 10 myn tons

Northwestern Resources Contracts

Miscellaneous domestic users in
Montana and Wyoming

PACIFIC POWER & LIGHT COMPANY

G. A. Duell, Manager Coal Resources
920 S.W. 6th Avenue
Portland, OR 97204
(503) 226-7411

(Pacific Power & Light cont.)

Federal coal leases: 12 leases
totaling 18,710.06 acres (3
counties)
State coal leases: 13 leases total-
ing 11,040 acres (3 counties)

Dave Johnston Fuel Recovery Pit

Ed Paisley, Mine Superintendent
Glen Goss, Mine Manager
P. O. Box 298
Glenrock, WY 82637
(307) 436-2713

Converse Co.; near Glenrock
T.36N., R.75W., Section 34
Coal field: Glenrock
Coal name: School; Badger
Rank: Subbituminous C
Coal thickness: 30 ft.; 18 ft.
Overburden: 60-110 ft.
Mining method: Dragline
Opened: 1958
1974 production: 2,687,045 tons
Est. 1975 production: 2.8 myn tons
Est. 1980 production: 2.8 myn tons
Employees, 1974: 109
Est. employees, 1975: 110
Est. employees, 1980: 110
Unit trains: No; private railway
Est. total reserves: 125 myn tons

Pacific Power Contract

Pacific Power & Light Co.
Glenrock, WY
115 myn tons are dedicated to the
750 MW Dave Johnston Plant @ est.
2.8 mtpy.

PAN EASTERN COAL COMPANY

(Subsidiary of Panhandle Eastern Pipe
Line Company)

G. J. Kurk, President
P. O. Box 1642
Houston, TX 77001
(See Rochelle Coal Co.)

PEABODY COAL COMPANY

(Subsidiary of Kennecott Copper Corp.)

E. R. Phelps, President
301 N. Memorial Drive
St. Louis, MO 63102

or

45 South Main
Sheridan, WY 82801
(307) 674-6114

(See Rochelle Coal Company)

(Peabody Coal Company cont.)

Federal coal leases: 8 leases totaling 19,761.11 acres (Campbell and Sweetwater Counties)
State coal leases: 6 leases totaling 2,000 acres (Campbell and Converse Counties)

Proposed
(strip)

Reportedly studying or planning two Wyoming mines for coal gasification plants for Northern Natural Gas Co.; mines to be located in Powder River Basin.

PETER KIEWIT SONS' COMPANY

Homer A. Scott, Vice President Mines and Quarries

Mining District
P. O. Box 746
Sheridan, WY 82801
(307) 672-3401

(See Big Horn Coal Co., Black Butte Coal Co., and Rosebud Coal Sales Company)

Federal coal leases: See Big Horn Coal Co., and Rosebud Coal Sales Company
State coal lease: 1 lease of 640 acres (Carbon County)

POWDER RIVER COAL COMPANY

(Subsidiary of Peabody Coal Co.)

E. R. Phelps, President
301 N. Memorial Drive
St. Louis, MO 63102

(See Rochelle Coal Company)

POTASH CORPORATION OF AMERICA

(Division of Ideal Basic Industries; see Stansbury Coal Company)

PUBLIC SERVICE COMPANY
OF OKLAHOMA

R. O. Newman, President
600 S. Main Street
Tulsa, OK 74102
(918) 583-3611

Federal coal leases: None
State coal leases: None

(Public Service Co. of OK cont.)

Proposed PSO No. 1
(strip)

John Burk, Mine Manager
Post Office Building
Sheridan, WY 82801

Sheridan Co.; near Montana line
T.58N., R.84W., Section 22
Coal field: Sheridan
Coal name: Anderson; Dietz
Rank: Subbituminous
Coal thickness: 20 ft.; 40-50 ft.
Overburden: Unspecified
Opened: Planned for 1976
Est. 1980 production: 500,000 tons
Est. employees, 1980: 45
Unit trains: No; plan to share Big Horn or other tipple

Public Service Contracts

Production will be used in the company's 643 MW Northeastern Plant (expanding to 1093 MW by 1979) and the 340 MW Riverside Plant (expanding to 790 MW by 1980).

RESOURCE EXPLORATION AND
MINING, INC.

G. H. Bryant, President
Sherman Bldg., Room 520
789 Sherman Street
Denver, CO 80202
(303) 572-8777

(See Energy Development Co.)

ROCHELLE COAL COMPANY

(Joint venture of Powder River Coal Company, a subsidiary of Peabody Coal Co., and Pan Eastern Coal Co., a subsidiary of Panhandle Eastern Pipe Line)

G. J. Kurk
P. O. Box 1642
Houston, TX 77001

or

Peabody Coal Company
45 S. Main Street
Sheridan, WY 82801
(307) 674-6114

or

Panhandle Eastern Pipe Line Company
Suite 300, Wyoming Building
202 East 2nd Street
Casper, WY 82601
(307) 265-9202

(Rochelle Coal Co. cont.)

Federal coal leases: 2 leases totaling 11,141.39 acres (Campbell Co.)
State coal leases: None

Proposed Rochelle
(strip)

Campbell Co.; southern boundary
T.41N., R.70W., Section 10
Coal field: Gillette
Coal name: Wyodak-Anderson ("D")
Rank: Subbituminous
Coal thickness: 52 ft.
Overburden: 20-150 ft.
Mining method: Dragline
Opened: Planned for 1978
Est. 1980 production: 11 myn tons
Est. employees, 1980: 290
Unit trains: Probably
Est. total reserves: 500 myn tons

Rochelle Contracts

Wyoming Coal Gas Co.
(Panhandle Eastern Pipe Line)
Converse County, WY
Dedicated est. 250 myn tons for a 270 mmcf/day coal gasification plant @ est. 11 mtpy.

ROCKY MOUNTAIN ENERGY COMPANY

(Subsidiary of Union Pacific Corp.)

John M. Kelly, Chairman of Board
James C. Wilson, President
E. A. Lang, Vice President Engineering
John Brown, Manager, Coal Evaluation
4704 Harlan Street
Denver, CO 80212
(303) 433-6841

(See joint ventures with Rosebud Coal Sales [Black Butte Coal Co.]; Arch Mineral [Medicine Bow Coal Co. and China Butte property]; Ideal Basic Industries [Stansbury Coal Co.]; Energy Development Company [Red Rim property]; Sun Oil Co. [Long Canyon property]).

Federal coal leases: None
State coal leases: 41 leases totaling 2,587.32 acres (3 counties)

(Rocky Mtn. Energy Co. cont.)

Proposed Hanna
(deep)

(Joint venture with Dravo Corporation)

(Address same as above)

Carbon Co.; north of Hanna
T.23N., R.81W., Section 33
Coal field: Hanna
Coal name: Bed Nos. 80 and 82
Rank: Subbituminous
Coal thickness: 15-20 ft.; 8-15 ft.
Overburden: Est. 500-900 ft.
Mining method: Continuous miners;
retreat longwall panels; conven-
tional
Opened: Planned for 1978
Est. 1980 production: 2-2.5 myn tons
Est. employees, 1980: Unspecified
Unit trains: Plan to use Rosebud's
unit train facilities
Est. total reserves: 200 myn tons

Proposed Twin Creek
(strip)

Lincoln Co.; northwest of Kemmerer
T.21N., R.116W., Section 17
Coal field: Kemmerer
Coal name: Adaville seams (32 beds)
Rank: Subbituminous
Coal thickness: 5-60 ft.
Overburden: 40-710 ft.
Mining method: Shovel-truck-scraper
Opened: Planned for 1977
Est. 1980 production: 3 myn tons
Est. employees, 1980: 200
Unit trains: Planned

Rocky Mountain Contracts

An unidentified major utility in the
southcentral U. S. will receive at
least some of the coal from the Hanna
Mine; no details on that contract or
any contracts for the Twin Butte
Mine production.

RONCCO COAL COMPANY, INC.

Leo Roncco, President
Box 71
Thermopolis, WY 82443
(307) 864-2676 or 864-3819

Federal coal leases: None
State coal leases: None

(Roncco Coal Co., Inc. cont.)

Roncco
(deep)

(Address and phone same as above)

Hot Springs Co.; near Gebo
T.44N., R.75W., Section 17
Coal field: Gebo
Coal name: Gebo
Rank: Subbituminous
Coal thickness: 6-9 ft.
Cover: Approx. 600 ft.
Mining method: Conventional room
and pillar
Opened: 1938
1974 production: 2,830 tons
Est. 1975 production: 3,000 tons
Employees, 1974: 3
Est. employees, 1975: 3
Unit trains: No

Roncco Contracts

Miscellaneous domestic users in Wyo-
ming and Montana

ROSEBUD COAL SALES COMPANY

(Subsidiary of Peter Kiewit Sons'
Company)

John Ratchye, Vice President
P. O. Box 724
Sheridan, WY 82801
(307) 325-6881

Federal coal leases: 2 leases total-
ing 969.46 acres (Carbon and Sweet-
water Counties). (Additional
leases under Black Butte Coal Co.)
State coal leases: 3 leases totaling
1,920 acres (Carbon and Sweetwater
Counties)

Rosebud Pit No. 4

Harold Marvel, Office Manager
Frank Shurter, Mine Superintendent
P. O. Box 98
Hanna, WY 82327
(307) 325-6881

Carbon Co.; near Hanna
T.22N., R.81W., Section 3
Coal field: Hanna
Coal name: Bed No. 80
Rank: Subbituminous
Coal thickness: 15-20 ft.
Overburden: 50-100 ft.
Mining method: Dragline

(Rosebud Coal Sales Co. cont.)

Rosebud Pit No. 5

(Address and phone same as No. 4)

Carbon Co.; near Hanna
T.23N., R.81W., Section 34
Coal field: Hanna
Coal name: Bed No. 82
Rank: Subbituminous
Coal thickness: 11-15 ft.
Overburden: 50-80 ft.
Mining method: Dragline

Both Mines Combined

Opened: 1961
1974 production: 1,963,316 tons
Est. 1975 production: 1.9 myn tons
Est. 1980 production: 1.5 myn tons
Employees, 1974: 135
Est. employees, 1975: 135
Est. employees, 1980: 135
Unit trains: 6 trains/week

Rosebud Contracts

Great Western Sugar
No details; Utah, Colorado and
Nebraska

Iowa Power & Light Co.
Des Moines and Council Bluffs, IA
Contract for est. 0.25 mtpy; no
other details; for 139 MW Council
Bluffs Plant and 338 MW Des Moines
Power Station No. 2

Monolith Portland Cement Co.
Laramie, WY
Contract for Laramie Cement Plant;
no other details

Omaha Public Power District
Omaha, NB
Contract for est. 0.3 mtpy; no
other details; for 646 MW North
Omaha Station

Public Service Co. of Colorado
Denver and Boulder, CO
Contract for est. 0.5 mtpy; no
other details; for power plants

Inland Steel Corporation
No details

Iowa Public Service Company
No details

Nebraska Power and Light Company
No details

(Rosebud Coal Sales Co. cont)

Miscellaneous domestic, industrial, and municipal users in Colorado, Iowa, Nebraska, Wyoming, Utah, Idaho, Wisconsin, Nevada, Oregon, South Dakota, and Washington

Est. 1980 production based on these contracts is 1.5 myn tons.

SHELL OIL COMPANY

B. G. Long, Manager of Operations
Houston, TX

Federal coal leases: 1 lease of 599.44 acres (Campbell County)
State coal leases: 1 lease of 160 acres (Johnson County)

Proposed Buckskin (strip)

Campbell Co.; north of Gillette
T.51N., R.72W., Section 5
Coal field: Powder River
Coal name: Wyodak-Anderson
Rank: Subbituminous
Coal thickness: 100 ft. with partings

Overburden: 100 ft. max.
Mining method: Unspecified
Opened: Planned 1979-1980
Est. 1980 production: 4 myn tons
Est. employees, 1980: 200?
Unit trains: Unspecified
Est. total reserves: 100 myn tons

Shell Contracts

Reportedly for use in a Houston refinery.

STANSBURY COAL COMPANY

(Joint venture of Rocky Mountain Energy Co., a subsidiary of Union Pacific Corp., and Potash Corp. of America, a subsidiary of Ideal Basic Industries, Inc.)

James C. Wilson, President
P. O. Box 8789
Denver, CO 80201
(303) 433-6841

Federal coal leases: 1 lease of 1,644.76 acres (Sweetwater County)
State coal leases: None

(Stansbury Coal Co. cont.)

Proposed Stansbury No. 1 (deep)

Franklin Mink, Mine Superintendent
Sweetwater Co.; north of Rock Springs
T.20N., R.104W., Section 19
Coal field: Rock Springs
Coal names: Rock Springs Nos. 1, 3, 7, 7 1/2, 8, and 9
Rank: Bituminous
Coal thickness: 5-13 ft.
Cover: 1800 ft. max.
Mining method: Multiple level; conventional and continuous miners
Opened: Planned for 1976
Est. 1976 production: 50,000 tons
Est. 1980 production: 1.4 myn tons
Est. employees, 1976: 35
Est. employees, 1980: 60
Est. total reserves: 90 myn tons

Stansbury Contracts

Ideal Basic Industries, Inc.
For its cement plants in the western states

SUNOCO ENERGY DEVELOPMENT COMPANY

(Subsidiary of Sun Oil Co.)

Dwight Knott, Mine Representative
314 South Gillette Avenue
Gillette, WY 82716
(307) 682-7295

Federal coal leases: 5 leases totaling 24,598.03 acres (3 counties)
State coal leases: 1 lease of 640 acres (Converse County)

Proposed Cordero (strip)

James R. Nichols, Mine Manager
(Address and phone same as above)

Campbell Co.; south of Gillette
T.47N., R.71W., Section 23
Coal field: Gillette
Coal name: Wyodak-Anderson
Rank: Subbituminous
Coal thickness: 3 benches, each 20 ft.

Overburden: Less than 200 ft.
Mining method: Shovel-truck
Opened: Planned for 1977
Est. 1980 production: 12 myn tons
Est. employees, 1980: 225-400
Unit trains: Planned
Est. total reserves: 600 myn tons

(Sunoco Energy Develop. cont.)

Proposed Long Canyon Area (strip?)

(Joint venture with Rocky Mountain Energy Co.)

Sweetwater Co.; northwest of Superior
T.21N., R.104W., approx. area
Coal field: Rock Springs
(No other details)

Sunoco Contracts

(Only related to Cordero Mine)

San Antonio City Public Service Board
San Antonio, TX
20 yr. contract for 55.5 myn tons @ est. 2.8 mtpy begins in 1976; for 1,308 MW Sommers Plant (Est. \$5.00 per ton FOB mine)

Western Fuels Association
Wheatland, WY

20 yr. contract for 60 myn tons @ 3 mtpy begins in 1979; for 1500 MW Laramie River Station

Est. 1980 production based on these contracts is 5.8 myn tons.

TEXACO, INC.

Jim Logan
Wyoming Division
Story, WY 82842
(307) 683-2830

(Hold substantial coal lands near Lake De Smet (Johnson County) which they acquired from Reynolds Metals Co.; applied to ERDA for joint funding of a demonstration coal gasification facility in 1976; rumored to start a strip mine about 1977.)

Mine Name ? (strip)

Johnson Co.; near Buffalo
T.52N., R.82W.
Coal field: Buffalo
Coal name: Healy
Rank: Subbituminous
Coal thickness: 50-220 ft.
Opened: Rumored for 1977, but may hinge on acceptance of ERDA application

Texaco Contracts

No information on any contracts.

WELCH COAL COMPANY

(Subsidiary of Montana-Dakota Utilities Company)

William F. Welch, Resident Manager
1447 Stonegate Drive
Sheridan, WY 82801
(307) 655-9204

Welch
(strip)

(Address and phone same as above)

Sheridan Co.; north of Sheridan
T.57N., R.85W., Section 22
Coal field: Sheridan
Coal name: Monarch
Rank: Subbituminous
Coal thickness: 5.5-12 ft.
Overburden: 30-90 ft.
Mining method: Front-end loader
Opened: 1949
1974 production: 20,340 tons
Est. 1975 production: 20,000 tons
Est. 1980 production: Probably will
will be shut down by then
Employees, 1974: 2
Unit trains: No

Welch Contracts

Montana-Dakota Utilities Co.
Acme, WY
All production dedicated to 12
MW Acme Plant, which is scheduled
to shut down in 1976-77.

WESTERN FUEL ASSOCIATION

(Joint venture of Tri-State Generation and Transmission Association, Basin Electric Power Cooperative, and Cajun Electric Power Cooperatives)

Ken Holum, General Manager
1019 19th Street, NW
Washington, D. C. 20036

or

Lloyd Ernst, Regional Manager
1810 Capitol Avenue
Cheyenne, WY 82002
(307) 634-7955

(See El Paso Natural Gas Co.)

WYODAK RESOURCES DEVELOPMENT CORPORATION

(Subsidiary of Black Hills Power & Light Company)

J. B. French, President
Neil Simpson, Vice President
Harold E. Ross, Vice President
Box 1951
Rapid City, SD 57701
(605) 342-3200

Federal coal leases: 4 leases
totaling 1,920 acres (Campbell
County)
State coal leases: None

Wyodak North & South (strip)

Wilford J. Westre, General Manager
P. O. Box 149
Gillette, WY 82716
(307) 682-3410

(Wyodak Resources Corp. cont.)

Campbell Co.; east of Gillette
T.50N., R.71W., Section 28
Coal field: Gillette
Coal name: Wyodak-Anderson
Rank: Subbituminous
Coal thickness: 80-110 ft.
Overburden: 20-110 ft.
Mining method: Scraper-front-end
loader
Opened: 1925
1974 production: 738,248 tons
Est. 1975 production: 700,000 tons
Est. 1980 production: 5 myn tons
Unit trains: No

Wyodak Contracts

Black Hills Power & Light Co.
Dedicated to the following power
plants:
31.5 MW Kirk Plant, Lead, SD @
120,000 tpy
22.0 MW Ben French Plant, Rapid
City, SD, @ 85,000 tpy
27.7 MW Neil Simpson Plant, Wyodak,
WY, @ 198,000 tpy
34.5 MW Osage Plant, Osage, WY, @
219,000 tpy

Pacific Power & Light Co. and Black
Hills Power & Light Co.
Wyodak, WY
Contract for up to 1.5 mtpy by
1977 and 3 mtpy by 1982; for new
990 MW Wyodak Plant now under con-
struction (1st 330 MW unit to be
completed in 1977).

Est. 1980 production based on these
contracts is 5 myn tons.

WYTANA, INC.

(Subsidiary of Peter Kiewit Sons',
Inc.)

P. O. Box 724
Sheridan, WY 82801

(See Black Butte Coal Company)

COKE PLANTS

COLUMBINE MINING COMPANY

*(Affiliate of Midcontinent Coal and
Coke Company)*

*J. A. Reeves, President
P. O. Box 158
Carbondale, CO 81623*

Carbon Plant

*P. O. Box Quealy
Rock Springs, WY 82901*

*Sweetwater Co.; south of Rock Springs
T.18N., R.105W., Section 14
(Makes a chemical grade synthetic
coke for Monsanto's phosphorous plant
in Soda Springs, ID; process is using
bituminous coal, but works on other
ranks as well.)*

FMC CORPORATION

*Fritz von Bergen, Director-Coke
Chemical Group Headquarters
2000 Market Street
Philadelphia, PA 19103
(215) 299-6000*

Experimental Process Coke Plant

*J. W. Coykendall, Resident Manager
Box 431
Kemmerer, WY 83101*

*Lincoln Co.; near Kemmerer, WY
T.20N., R.117W., Section 12
(Makes a chemical and metallurgical
grade coke from subbituminous coal.)*

IN-SITU EXPERIMENTS

LARAMIE ENERGY RESEARCH CENTER (LERC)

L. A. Schrider, Project Manager
U. S. Energy Research & Development
Administration

P. O. Box 3395
University Station
Laramie, WY 82071
(307) 742-2115

Carbon Co.; Hanna, WY
T.22N., R.81W., Section 29 (Hanna
site)

(LERC has been conducting experiments
since 1972; product gas has not only
been collected and analyzed, but some
control of the volume, heat value,
and quality has been attained.)

LAWRENCE LIVERMORE LABORATORIES

Douglas R. Stephens, Project Director
Inorganic Materials Division
Chemistry Department
P. O. Box 808
Livermore, CA 94550
(415) 447-1100

Campbell Co.; south of Gillette
T.47N., R.72W., Section 7 (Hoe Creek
site)

(LLL started experimentation in 1975;
to date they have done some drilling
and explosive fracturing of the coal;
they haven't ignited the coal yet.)

TRANSPORTATION

BURLINGTON NORTHERN, INC.

(Joint venture with Chicago and North Western Transportation Co.)

N. M. Lorentzen, President Transportation Div.

176 E. Fifth Street
St. Paul, Minnesota 55101
(612) 298-2121

Proposed Railroad

Plan to build 126 miles of new track between Gillette, WY and Douglas, WY, principally to serve new coal mines in the Powder River Basin. Completion date uncertain, but probably between 1977-1979.

CHICAGO AND NORTH WESTERN TRANSPORTATION COMPANY

(See Burlington Northern, Inc.)

R. A. Sharp, Asst. Vice President Marketing

400 W. Madison Street
Chicago, IL 60606
(312) 454-6000

ENERGY TRANSPORTATION SYSTEMS, INC.

(Joint venture of Peabody Coal Co., Bechtel, Inc., Lehman Brothers, and Kansas-Nebraska Natural Gas Co.)

Frank Odasz, Manager
Box 2933
Casper, WY 82601
(307) 265-1800

Proposed Coal Slurry Pipeline

Size of pipe: 38 inch
Length: 1,036 miles
Capacity: 25 mtpy
Location: Campbell, Niobrara, Converse, and Goshen Counties, WY
Destination: Arkansas Power & Light Co., White Bluffs, AR and City of Wichita, Kansas (8 mtpy)
Water requirements: 15,000-20,000 acre ft./yr.
Status: Approved by Wyoming legislature, but unable to get right-of-way through Nebraska or Kansas.

GULF INTERSTATE ENGINEERING

(Joint venture with Northwest Pipeline, Salt Lake City, UT)

John G. McMillan, President
Harry Eaton, Vice President
Houston, TX

Proposed Coal Slurry Pipeline

Size of pipe: 24-30 inches
Length: 800-1100 miles
Capacity: 10 mtpy
Location: Southwestern Wyoming
Destination: Washington, Oregon, Idaho, and northern California
Water requirements: 7,500 acre ft./yr.
Status: Studying feasibility for the 1980's

Active & Proposed Mines

KEMMERER COAL FIELD

Kemmerer's Elko¹ (S)
Kemmerer's Sorensen (S)

FMC-1976? (S)
Kemmerer's North Block-
1979 (S)
Rocky Mountain's Twin
Creek-1977 (S)³

GREEN RIVER REGION

ACTIVE COAL MINES IN 1975
Bridger's Jim Bridger (S)
Columbine's Rainbow No.
8 (D)²

PROPOSED NEW COAL MINES
Arch's China Butte-1979? (S)³
Black Butte-1977 (S)
Energy's Red Rim-1979 (S)³
Rocky Mountain's Stansbury-
1976? (D)
Sunoco's Long Canyon-
1979-80 (S?)³

BIG HORN BASIN

Northwestern Resources'
Grass Creek (S)
Roncco (D)

POWDER RIVER BASIN

ACTIVE COAL MINES IN 1975
Amax's Belle Ayr South (S)
Big Horn's Big Horn No. 1 (S)
PP & L's Dave Johnston (S)
Welch (S)
Wyodak's South Pit (S)

PROPOSED NEW COAL MINES
Amax's Belle Ayr North-1977 (S)
ARCO's Black Thunder-1977 (S)
ARCO's Coal Creek-1979? (S)
Carter's North Rawhide-1976? (S)
Carter's Coballo-1976? (S)
El Paso's Thunderbird-1979? (S)³
Falcon-1977? (S)³
Kerr-McGee's Jacobs Ranch-1977 (S)
Kerr-McGee's East Gillette-1978? (S)
Peabody-1980's? (S)³
Peabody-1980's? (S)³
Public Service Oklahoma's PSO No. 1-1976 (S)
Rochelle-1978 (S)
Shell's Buckskin-1979 (S)³
Sunoco's Cordero-1977 (S)
Texaco-1977? (S)³

HANNA COAL FIELD

ACTIVE COAL MINES IN 1975
Arch's Seminoe No. 1 (S)
Arch's Seminoe No. 2 (S)
Energy's Rimrock pits (S)
Energy's Vanguard No. 2 (D)
Energy's Vanguard No. 3 (D)
Medicine Bow Strip (S)
Rosebud Pits (S)

PROPOSED NEW COAL MINES
Rocky Mountain's Hanna-
1978 (D)

¹(S) means strip mine

²(D) means deep mine

³Mine not in forecast based on announced contracts

Coal Production Forecast

Annual Wyoming Coal Production (In Millions of Tons)
With Estimates Based on Announced Contracts Forecast to 1985¹

	Powder River Basin	Hanna Basin	Kemmerer Area	Green River Region	Bighorn Basin	Total
1972	4.2	4.2	2.1	0.4	.006	10.9
1973	5.0	6.8	2.9	0.1	.006	14.8
1974	7.8	8.9	3.3	0.8	.006	20.8
1975	8.5	9.6	3.6	2.1	.006	23.8
1976	14.5	10.65	4.15	4.2	.01	33.5
1977	29.7	10.65	5.5	6.6	.01	51.4
1978	46.0	10.9	6.4	9.7	.01	73.0
1979	57.9	11.4	6.7	13.2	.01	89.2
1980	73.3	11.6	7.8	13.2	.01	105.9
1981	74.8	11.6	7.8	13.2	.01	107.4
1982	80.9	11.6	7.8	13.2	.01	113.5
1983	82.3	11.6	7.8	13.2	.01	114.9
1984	85.8	10.9	7.8	13.2	.01	117.7
1985	86.8	10.9	7.8	13.2	.01	118.7

¹Includes only one coal gasification plant (Panhandle Eastern) by 1985

Annual Wyoming Coal Production (In Millions of Tons)
With Highest Possible Estimates Forecast to 1985²

	Powder River Basin	Hanna Basin	Kemmerer Area	Green River Region	Bighorn Basin	Total
1972	4.2	4.2	2.1	0.4	.006	10.9
1973	5.0	6.8	2.9	0.1	.006	14.8
1974	7.8	8.9	3.3	0.8	.006	20.8
1975	8.5	9.6	3.6	2.1	.006	23.8
1976	16.6	11.6	4.5	4.2	.01	36.9
1977	36.1	11.8	7.0	6.6	.05	61.5
1978	62.1	12.1	8.7	9.7	.10	93.7
1979	89.7	12.6	9.4	16.7	.50	128.9
1980	131.1	13.8	10.8	23.7	1.0	180.4
1981	142.4	13.8	10.8	30.7	1.0	198.7
1982	162.1	13.8	10.8	30.7	1.0	218.4
1983	199.1	13.8	10.8	30.7	1.0	255.4
1984	210.1	14.3	10.8	30.7	1.0	266.9
1985	224.1	14.3	10.8	30.7	1.0	280.9

²Includes seven coal gasification plants by 1985

Additional copies of this circular
may be obtained for 50¢ from:

*The Geological Survey of Wyoming
P.O. Box 3008 University Station
Laramie, Wyoming 82071*

ABOUT THE COVER: This power shovel loads from a
44 foot coal bed in the Big Horn No. 1 mine in
Sheridan County. The mine is owned by the Big
Horn Coal Company which ships the coal to various
power plants and industrial users in Wyoming and
adjacent states.