Click on the state jurisdiction to see an enlarged, more detailed jurisdiction map of the state.

For more information on this data, contact Keith Francis at NSTC, keith_frankis@blm.gov or 303-236-0113.

- BLM State Jurisdiction
- BLM-Administered Lands
BLM Manages more than 700 million acres of Federal mineral estate (29% of the area of the U.S)

- Of the approximately 700 million acres of Federal mineral estate, about 166 million acres have been withdrawn from mineral entry, leasing and sale, except for valid existing rights.
- Salable minerals e.g. sand and gravel basically are the responsibility of each Federal surface management agency.
- The map depicts only Indian reservations at least 23,000 acres in size, not all Indian trust lands.

Categories of Lands
- BLM - Surface and Minerals (261 million ac)
- Other Federal Lands - Minerals (380 million ac)
- Non-Federal Surface (includes 58 million ac of Split - Estate Federal Minerals)
- Indian Trust Lands (56 million ac) except Mineral Operations for Osage Minerals
- BLM Administration Boundaries

Produced By:
WO-210, Leonard Okee, Jr. (Graphics)
WO-306, Sie Ung Chiang (Carto)
Documentation available in the September 2003
General Steps for Mineral Authorizations

- Regional Land Use Planning
- Application Submittal
- Environmental Analysis
- Bonding
- Mineral Authorization or Permit
  - Competitive or Non-competitive
- Inspections
- Reclamation
Mining Law Program
Mining Law Program Authority

Mining Law of 1872, as amended

- Allows citizens of the United States and American corporations the opportunity to explore for, discover, and purchase the rights to certain valuable mineral deposits on those Federal lands that are open for mining claim location ("open to mineral entry").

- These mineral deposits include the metallic mineral and certain nonmetallic and industrial minerals ("uncommon varieties").
Surface Management

3809 Regulations
• Effective in 1981
• Revised in 2001

Three levels of activity:

- Casual use: Negligible disturbance
- Notice: Exploration only; 5 acres or less
- Plan of Operations: All mining operations

Reclamation Bonds required for Notices and Plans
$2.2 Billion held by BLM and States (June 2013)
Mining Claim Recordation

- Record new mining claims & sites
  - Lode claims
  - Placer claims
  - Mill sites
  - Tunnel sites
- Adjudicate claim filings, fees, and transfers
- 57,989 New Mining Claims (2012)
- 406,140 active mining claims (2012)
Mining Claim Recordation

Location and Annual Maintenance Fees

- Maintenance fee - $140 per claim
- New Location fee - $34 per claim
- Collected approx. $64.4 million (2012)
- BLM collects all payments
- $39.7 million appropriated back to BLM for Management of program. Remainder goes to Treasury.
Mineral Patents

- Moratorium since 1995 on the receipt and processing of mineral patent applications

- 405 applications were grandfathered
  - All but 25 completed
  - 161 pending processing if moratorium is lifted
Coal Program
Coal Regions of the United States
Coal Leasing Authorities

• Mineral Leasing Act (1920)

• Federal Coal Leasing Amendments Act (1976)

• Surface Mining Control and Reclamation Act (SMCRA) (1977)
Coal Leasing Processes

Exploration
- Exploration Permit
- Exploration License

Leasing
- Establish need for lease (Regional or LBA)
- Environmental Analysis
- Appraisal (Fair Market Value)
- Publication and Competitive Sale
- New Coal Lease Issued

Other Requirements
- Bonding
- Payments (ONNR)
  - (50% State, 50% Treasury)
- Diligence
- Inspections
- Max Economic Recovery
Federal Coal Leasing Process

Tan boxes indicate decision point with potential appeal rights

1. Application
   - Applicant’s Qualifications
   - Surface Owner Consent
   - Governor and Regional Coal Team Consultation

2. Land Use Plan Compliance
   - NEPA
   - Application Rejected

3. Fair Market Value Max Economic Recovery
   - Public Hearing
   - Decision to Hold Sale
   - Sale Notice
   - Public Sale
   - Post Sale Evaluation Panel
   - Post Sale Evaluation Panel

4. DOJ Anti-Trust Review
   - Post Bond
   - Issue Lease
   - Reject Bid
Fair Market Value

The BLM will establish a pre-sale estimate of the fair market value of the prospective lease prior to the lease sale. The BLM will only accept a competitive bid that will meet or exceed the pre-sale fair market value. The fair market value includes rentals, royalties, and bonus. There are two types of analysis completed.

Income Analysis

• Geologic Analysis and Report
  – Quantity and Quality of coal
  – Other Physical Characteristics
  – Model for Mine Development Analysis
  • Depth of cover
  • Structure of the coal seam
• Engineering Analysis and Report
  – Quantity of resources required to mine the coal
  • Manpower
  • Capital Equipment
  – Anticipated operation and capital costs
• Market Analysis and Report
  – Prospective markets and coal value
• Appraisal
  – Prospective value of the lease
  – Considers:
  • Operation costs
  • Capital costs
  • Revenue
  • Rental and royalty

Comparable Sales

• Appraised value based on other recent prior sales of similar tracts with similar characteristics.
• Value of prior sale can be adjusted to be more comparable.
• Factors considered:
  – Geographic location
  – Mining method
  – Coal quality
  – Stripping ratio
  – Time
  – Quantity of coal
  – Others
FY 2003-2012 COAL SALE BONUSES
$4.5 BILLION BONUS BIDS ACCEPTED
4.4 BILLION TONS LEASED
## FY 2003-2012 Coal Royalty Payments

$6 Billion

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of Leases</th>
<th>Federal Tons</th>
<th>Royalty</th>
<th>Gross Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>308</td>
<td>422,326,865</td>
<td>$407,692,879</td>
<td>$3,673,528,331</td>
</tr>
<tr>
<td>2004</td>
<td>301</td>
<td>511,330,873</td>
<td>$417,577,131</td>
<td>$3,916,934,881</td>
</tr>
<tr>
<td>2005</td>
<td>295</td>
<td>466,949,162</td>
<td>$457,494,476</td>
<td>$4,426,536,111</td>
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<tr>
<td>2006</td>
<td>293</td>
<td>429,370,207</td>
<td>$508,130,980</td>
<td>$4,648,597,905</td>
</tr>
<tr>
<td>2007</td>
<td>298</td>
<td>439,985,972</td>
<td>$561,549,252</td>
<td>$5,167,947,075</td>
</tr>
<tr>
<td>2008</td>
<td>300</td>
<td>480,254,684</td>
<td>$673,981,246</td>
<td>$6,109,987,638</td>
</tr>
<tr>
<td>2009</td>
<td>299</td>
<td>464,053,787</td>
<td>$693,890,508</td>
<td>$6,286,373,318</td>
</tr>
<tr>
<td>2010</td>
<td>298</td>
<td>454,786,120</td>
<td>$742,693,852</td>
<td>$6,696,848,110</td>
</tr>
<tr>
<td>2011</td>
<td>306</td>
<td>451,352,837</td>
<td>$774,185,841</td>
<td>$6,968,480,607</td>
</tr>
<tr>
<td>Total</td>
<td>3,006</td>
<td>4,560,872,610</td>
<td>$6,036,502,985</td>
<td>$55,409,989,080</td>
</tr>
<tr>
<td>Av./Year</td>
<td>301</td>
<td>456,087,261</td>
<td>$603,650,299</td>
<td>$5,540,998,908</td>
</tr>
</tbody>
</table>
FY 2002-2011 COAL ROYALTY PAYMENTS
$6 BILLION

FEDERAL COAL PRODUCTION

<table>
<thead>
<tr>
<th>Year</th>
<th>Royalty (Millions)</th>
<th>Federal Tons (Millions)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2003</td>
<td>$408</td>
<td>200</td>
</tr>
<tr>
<td>2004</td>
<td>$418</td>
<td>220</td>
</tr>
<tr>
<td>2005</td>
<td>$457</td>
<td>300</td>
</tr>
<tr>
<td>2006</td>
<td>$508</td>
<td>340</td>
</tr>
<tr>
<td>2007</td>
<td>$562</td>
<td>340</td>
</tr>
<tr>
<td>2008</td>
<td>$674</td>
<td>350</td>
</tr>
<tr>
<td>2009</td>
<td>$694</td>
<td>354</td>
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<tr>
<td>2010</td>
<td>$743</td>
<td>360</td>
</tr>
<tr>
<td>2011</td>
<td>$774</td>
<td>350</td>
</tr>
<tr>
<td>2012</td>
<td>$799</td>
<td>350</td>
</tr>
</tbody>
</table>
Cumulative Tons of Federal Coal Leased Compared to Cumulative Tons of Federal Coal Mined
(Data from BLM and ONRR)
Non-Energy Leasables
Non-Energy Leasing Authorities

- Mineral Leasing Act (1920)
- Mineral Leasing Act for Acquired Lands (1947)
- Reorganization Plan No. 3 (1946)

Sodium, Potassium, Phosphate, Potash, Soda Ash, Trona, etc.
Non-Energy Leasing Processes

Exploration
- Prospecting Permit
- Exploration License

Leasing
- Environmental analysis
- Fair market value
- Noncompetitive leasing
- Competitive leasing

Other Requirements
- Bonding
- Payments (royalty, rental, bonus) (ONNR)
  - (50% State, 50% Treasury)
- Diligence
- Inspections
- Reclamation
## Non-Energy Leases (2012)

<table>
<thead>
<tr>
<th>Commodity</th>
<th># Leases</th>
<th>Prospecting Permits-Exploration Licenses</th>
<th>Preference Right Lease Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phosphate</td>
<td>96</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Potash</td>
<td>207</td>
<td>19</td>
<td>15</td>
</tr>
<tr>
<td>Sodium (Trona)</td>
<td>86</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Hardrock leases</td>
<td>55</td>
<td>20</td>
<td>4</td>
</tr>
<tr>
<td>Other Minerals</td>
<td>47</td>
<td>0</td>
<td>8</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>491</strong></td>
<td><strong>40</strong></td>
<td><strong>29</strong></td>
</tr>
</tbody>
</table>

*BLM’s Non-Energy Leases and Prospecting Permits (as of September 30, 2012)*
## Non-Energy Lease Revenue

<table>
<thead>
<tr>
<th></th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market Value</td>
<td>$2.0 B</td>
<td>$2.0 B</td>
<td>$2.2 B</td>
<td>$2.1 B</td>
</tr>
<tr>
<td>Revenue Collected</td>
<td>$57 M</td>
<td>$59 M</td>
<td>$89.5 M</td>
<td>$100 M</td>
</tr>
</tbody>
</table>
Solar brine evaporation pond for production of salt at Intrepid Wendover operation, Utah
Mineral Materials Program
Mineral Materials Authority

- Materials Act as amended (1947)

(Sand, Gravel, Clay, Stone, Rock, Pumice, Pumicite, Cinders, etc.)
Mineral Materials Processing

General Processing
- Mine and Reclamation plan approval
- Appraisal
- Competitive or Non-Competitive Sale
- Permit Issued
- Reclamation

Requirements
- Environmental analysis
- Bonding
- Royalty Payments (To BLM)
  - 4% State, 20% Treasury, 76% Reclamation Fund
- Fair market value
New Mineral Materials Contracts & Permits Totals for 2005-2012

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td># New Contracts/Permits Issued</td>
<td>5,413</td>
<td>4,888</td>
<td>4,466</td>
<td>3,670</td>
<td>3,387</td>
<td>2,995</td>
<td>2,787</td>
<td>2,201</td>
</tr>
<tr>
<td>New Quantity Issued (000 cy)</td>
<td>37,940</td>
<td>45,219</td>
<td>74,207</td>
<td>19,236</td>
<td>18,911</td>
<td>13,625</td>
<td>19,126</td>
<td>17,619</td>
</tr>
<tr>
<td>Annual Quantity Produced (000 cy)</td>
<td>19,809</td>
<td>19,370</td>
<td>17,973</td>
<td>15,774</td>
<td>13,156</td>
<td>9,637</td>
<td>10,995</td>
<td>9,548</td>
</tr>
</tbody>
</table>
# Mineral Materials Program (Contracts and Permits)

<table>
<thead>
<tr>
<th></th>
<th>2008</th>
<th>2009</th>
<th>2010</th>
<th>2011</th>
<th>2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Market Value of New Contracts</td>
<td>$155 M</td>
<td>$143 M</td>
<td>$121 M</td>
<td>$191 M</td>
<td>$186 M</td>
</tr>
<tr>
<td>In-Place Value of New Contracts &amp; Permits</td>
<td>$ 19.4 M</td>
<td>$ 17.9 M</td>
<td>$ 15.1 M</td>
<td>$23.9 M</td>
<td>$ 23.2 M</td>
</tr>
<tr>
<td>Revenue Collected - Sales</td>
<td>$ 14.4 M</td>
<td>$ 10.7 M</td>
<td>$ 8.3 M</td>
<td>$12.7 M</td>
<td>$ 9.3 M</td>
</tr>
<tr>
<td>Support of Government Agencies – Free Use Value</td>
<td>$ 2.1 M</td>
<td>$ 2.3</td>
<td>$ 1.3 M</td>
<td>$ 2.3 M</td>
<td>$ 2.0 M</td>
</tr>
</tbody>
</table>