



I-69 EVANSVILLE TO INDIANAPOLIS TIER 2 STUDIES

Section 2—Final Environmental Impact Statement

APPENDIX CC COAL-RELATED TRUCK OPERATIONS



Appendix CC

Coal-Related Truck Operations

Petersburg Region

Pike County, Indiana



Summary of Coal-Related Truck Operations Petersburg Region of Pike County, Indiana

Summary

This Tier 2 EIS includes four proposed interchanges (SR 61/56, North Pike County, South Daviess County, and US 50). Two of the interchanges (the North Pike and South Daviess interchanges) are recommended for deferred construction. Forecast year projected traffic volumes at these two interchanges in 2030 are lower than the other two interchanges. While Year 2030 forecasts suggest that inclusion of both interchanges does reduce Petersburg area truck traffic, the overall reduction is not substantial.

Additional evaluation of coal-related truck operations was conducted to identify trip generators, and to evaluate current and future truck travel patterns. The Project Management Consultant contacted representatives of local power plants, trucking companies, and coal extraction companies to gather information to support this study. This information was compared with traffic forecasts for Section 2; the information regarding coal-related truck operations was found to be consistent with overall forecasts of truck travel in the Section 2 project area.

Through these communications, available GIS resource layers, and communications with the Indiana Department of Natural Resources - Division of Reclamation, the PMC developed a map of coal-related trip generators that includes power plants; active, permit-bonded, inactive, and permit-pending coal mines; coal ash fill locations; and coal mine rail load-outs (See map titled: Coal-Related Truck Traffic Generators). Other coal-related trip generators (not shown on these maps) were identified as well. These included area limestone quarries/suppliers, gypsum plants to the east and local construction material suppliers. Additionally, a map is included that shows 2007 average annual daily traffic (AADT) counts in the vicinity of Petersburg, with both total and truck-only traffic counts (See map titled: Coal-Related Truck Traffic Generators – Petersburg Vicinity).

The key findings from this evaluation are as follows:

- **The proximity of Petersburg, relative to coal-related trip generators, effectively makes the city a “crossroads” for coal-related truck traffic.** Active coal mines virtually surround the city. Coal is transported by truck not only to the Indianapolis Power and Light (IP & L) and Hoosier Energy power generating plants, but also to nearby mine rail load-outs. Trucks currently use each of the state highways passing through the city (SR 56/61, SR 57, and SR 356). Even byproducts from power plant operations, such as coal ash, are sometimes transported by truck through the city. Petersburg is like the hub of a spoked wheel, with deliveries moving in and out in multiple directions.
- **The proposed location of I-69 with a North Pike County interchange does not, in itself, provide a viable non-Petersburg route for coal transport for many coal suppliers to the IP & L and Hoosier Energy facilities.** The two local power plants negotiate multi-year contracts with a number of mines in southwest Indiana. Currently, nearly every active mine that supplies coal to the local power plants via truck, does so using a route through the city. While some



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suppliers would use the North Pike interchange of I-69 to serve the power plants, many are located where they would incur added time and mileage to use I-69 to reach the plants. Three maps were developed to identify major coal truck routes and anticipated route changes resulting from the construction of I-69. (See maps titled: Existing Major Coal Routes, Major Coal Routes: I-69 with North Pike Interchange, and Major Coal Routes: I-69 without North Pike Interchange) These maps illustrate the wheel-and-spoke analogy in the previous point; while the North Pike interchange will allow trucks traveling along certain “spokes of the wheel” to use I-69 to save time and mileage, for other routes it will offer no time and mileage savings.

- The findings about the patterns of coal truck traffic are consistent with forecasts of overall truck traffic.** Table 3-12 in the FEIS provides year 2030 forecasts of truck traffic volumes on major state highways in Section 2, including several in and near Petersburg. The table below uses the forecasts from this table to show (for roads in and near Petersburg) the marginal impact on truck traffic of adding the North Pike interchange to Section 2 of I-69.

For example, this forecast shows that providing I-69 with the SR 56/61 and US 50 interchanges (Scenario 2) results in a reduction of truck traffic on SR 57 through Petersburg of about one-sixth (16 – 18%). Daily truck traffic on SR 57 decreases from about 2,330 to 2,600 daily trucks in the “no build” case to 1,920 to 2,190 daily trucks with I-69 (and the SR 56/61 and US 50 interchanges). If the North Pike interchange is also assumed (Scenario 4), daily truck traffic on SR 57 through Petersburg decreases to 1,540 to 1,770 trucks daily. While this is a further decrease of about one-sixth (16%) of the no-build traffic (see last two columns, “Scenario 2 Vs. Scenario 4), it still leaves two-thirds of the no-build truck traffic using SR 57 through Petersburg. *Thus, while providing the North Petersburg Interchange leads to a reduction in truck traffic through Petersburg, it causes only a small portion of the “no-build” truck traffic (about one-sixth) to be diverted from SR 57, the main truck route through Petersburg.*

Location	Year 2030 Forecasts, Daily Truck Traffic								
	No-Build Volumes	Scenario 2			Scenario 4			Scenario 2 Vs. Scenario 4	
		Daily Volumes	Change from NB	% Change from NB	Daily Volumes	Change from NB	% Change from NB	Change in Daily Volume	% Change from NB
SR 56/61, North of I-69	482	1,236	754	156%	710	228	47%		
SR 356, East of SR 57	274	240	(34)	-12%	216	(58)	-21%	(24)	-9%
SR 56, East of SR 57	255	174	(81)	-32%	175	(80)	-31%	1	0%
SR 57, North of SR 356	2,330	1,917	(413)	-18%	1,538	(792)	-34%	(379)	-16%
SR 57, South of SR 356	2,604	2,183	(421)	-16%	1,771	(833)	-32%	(412)	-16%

Scenario 2 assumes interchanges at SR 56/61 and US 50.
Scenario 4 assumes interchanges at SR 56/61, North Pike, and US 50.

- Power generating stations are stationary, but everything else related to the coal industry is mobile.** Coal mines expand boundaries; shut down operations; ship by truck, rail and barge; coal ash fill sites move; limestone providers move; coal supplier contracts change; coal hauler contracts change... the industry is a moving target. Trucking companies compete for business. Efficiency drives their business. If I-69 allows them to deliver product more efficiently, they will use it. If not, they won't.



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- **Truck operations serve many movements other than coal deliveries directly to power plants.** Coal is transported via truck, rail and barge to destinations throughout the United States. Regional distribution to area power generating stations is primarily by truck. Truck also is the primary mode for transporting coal from mines without a direct rail load-out, transporting the coal either to independent rail load-out facilities or those located at other active mines. Other coal-related truck traffic transports power generation byproducts, such as coal ash, gypsum or spent scrubber stone, from power generating stations; hauls limestone for scrubbers to power generating stations; or hauls a variety of construction materials to and from generating stations or coal mines. There will continue to be a high number of trucks traveling through Petersburg in many directions each day, given:
 - Various coal-related trip generators virtually surround the City of Petersburg,
 - There are high levels of non-coal-related truck traffic, and
 - Petersburg is located at the hub of state highways radiating in all directions.
- **Within the space of a few years, trip patterns of coal shipments can and do change dramatically.** Also included with this report are the 2003 through 2008 Coal Mine Production Reports prepared by the Indiana Coal Council. These reports provide the tonnage of mine produced from area coal mines. However, the origins of these coal hauling trips changed significantly during just this five year time period. Between 2003 and 2008:
 - Coal production in Gibson County increased by 21% (from 12.77 million tons to 15.40 million tons),
 - Coal production in Pike County decreased by 35% (from 5.67 million tons to 3.66 million tons), and
 - Coal production in Daviess County increased by 145% (from 1.44 million tons to 3.54 million tons).

In meetings with coal mine operators in the region, they estimated that conservatively, 20 percent of the coal that is produced annually will be hauled exclusively by truck; this does not include coal carried by truck to rail load-outs. Using 24 tons as an average load for truck hauling, this would amount to the following daily truck trips to and from each of these counties in 2003 and 2008:

- Daily coal truck trips to and from Gibson County: 760 in 2003 vs. 920 in 2008,
 - Daily coal truck trips to and from Pike County: 340 in 2003 vs. 220 in 2008, and
 - Daily coal truck trips to and from Daviess County: 90 in 2003 vs. 210 in 2008.
- **There is a large volume of coal transported from all directions in the vicinity of Petersburg.** During the six-year period noted above (2003 through 2008), major mines within 16 miles of Petersburg produced an annual average of nearly 60% of all the coal in mined in the State of Indiana. This amounted to a yearly average of 20,800,000 tons of coal. Using the conservative estimate that 20% of coal mined in the area is hauled exclusively by truck, this provides an estimate of 4,100,000 tons of coal hauled exclusively by truck from within 16 miles of Petersburg. By comparison, the two coal-fired power plants at the future North Pike interchange have about 1,500,000 tons of coal delivered by truck annually.¹ Even if it were

¹ In contacts with Hoosier Energy officials, project staff was informed that annual coal consumption at the IP & L plant is about 3,800,000 tons annually, of which 20% is delivered by truck. The Hoosier Energy plant uses about 750,000 tons annually, all of which is delivered by truck.



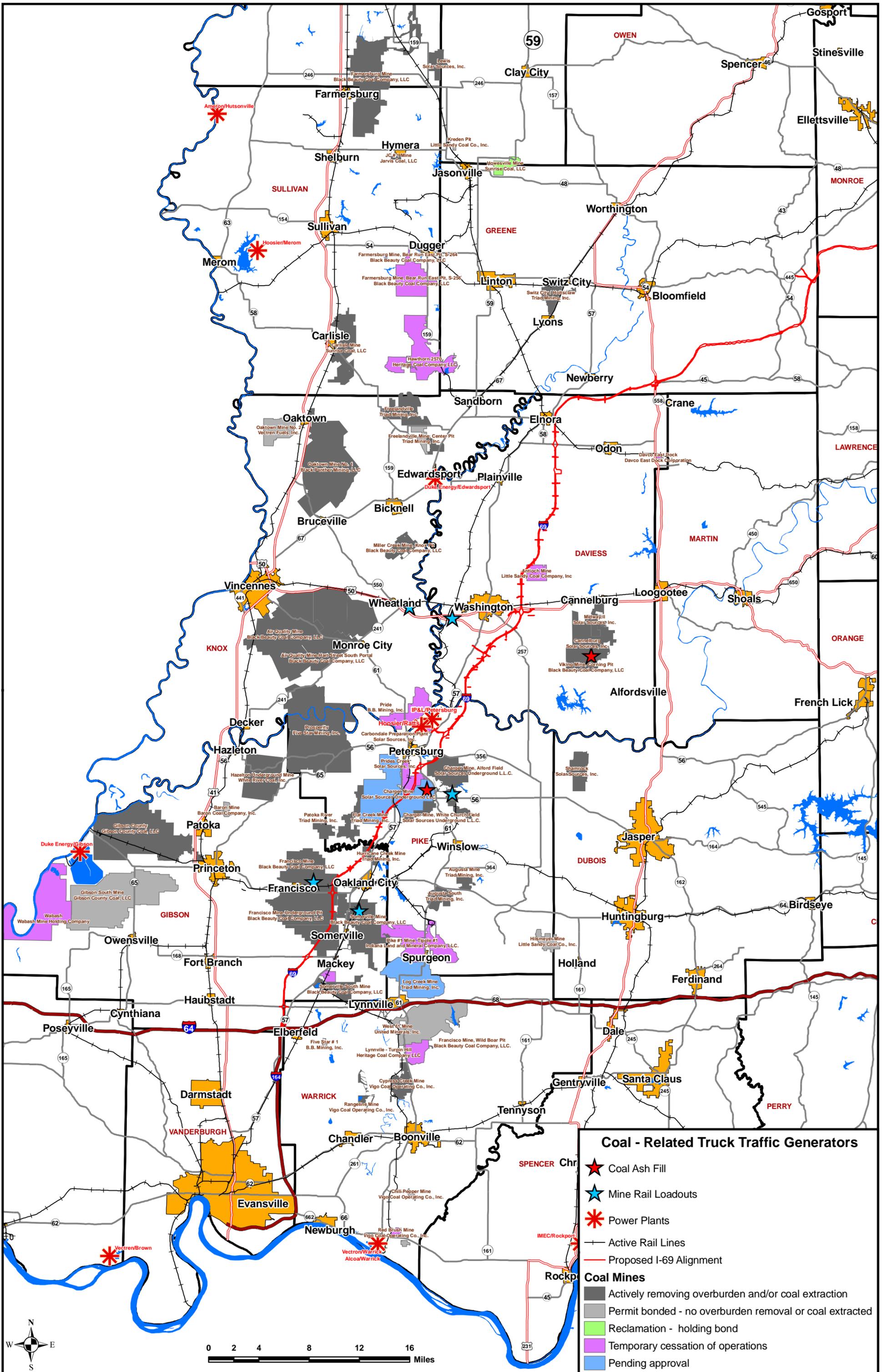
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assumed that *all* coal delivered by truck to these two plants came from locations near to Petersburg, this still leaves 60 – 65% of the coal transported by truck within the area near to Petersburg having some other destination. And as the analysis above showed, not all coal delivery trucks serving these two plants would use I-69, even once the North Pike interchange is open to use.

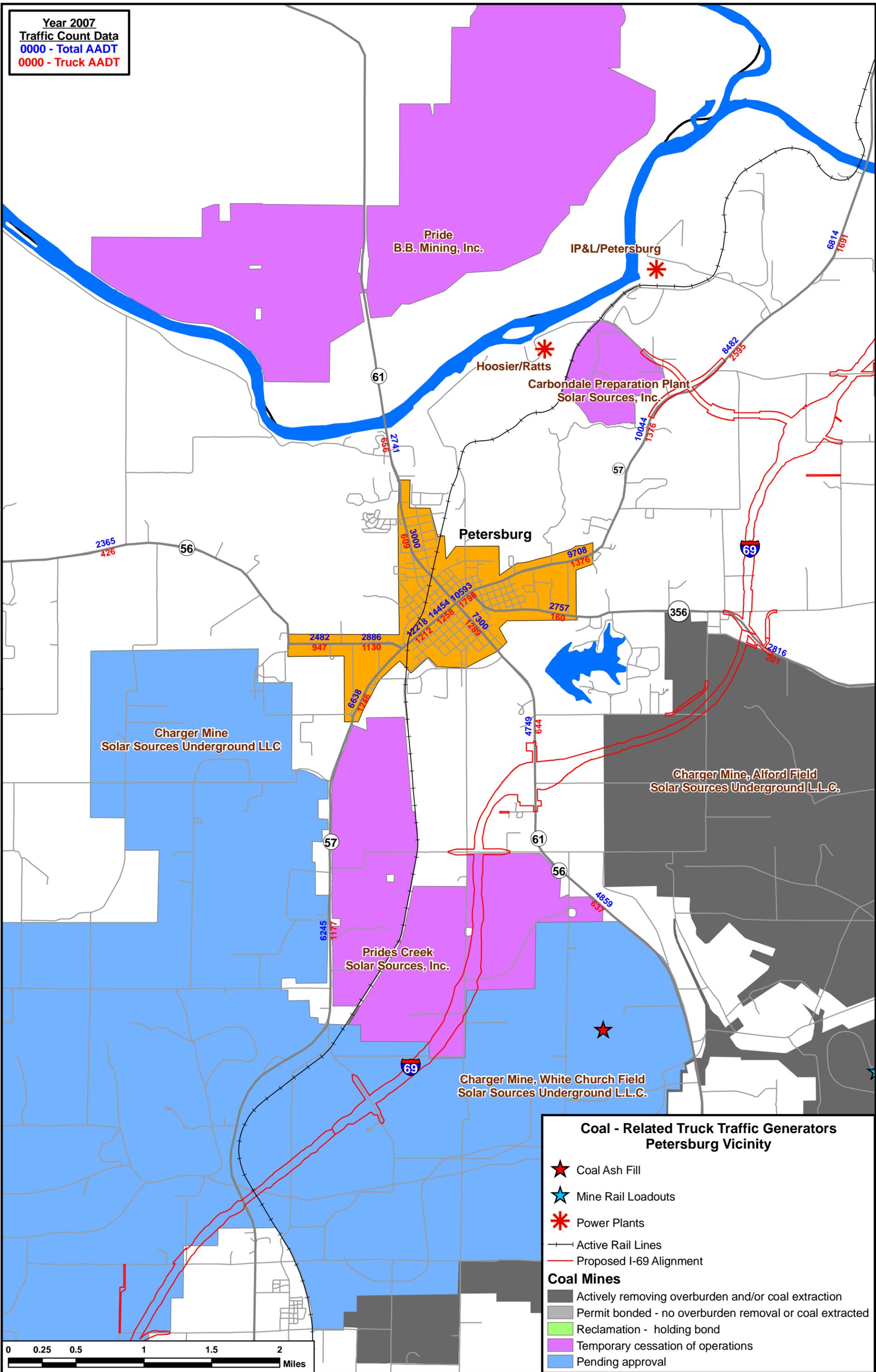
Further, using the ratios in the previous point provides an estimate of approximately 173,000 trucks per year leaving area mines to transport coal or 346,000 round trips per year. All of these trips will not travel through Petersburg, but many will. Further, they will be traveling in all directions, with Petersburg serving as a transportation hub.

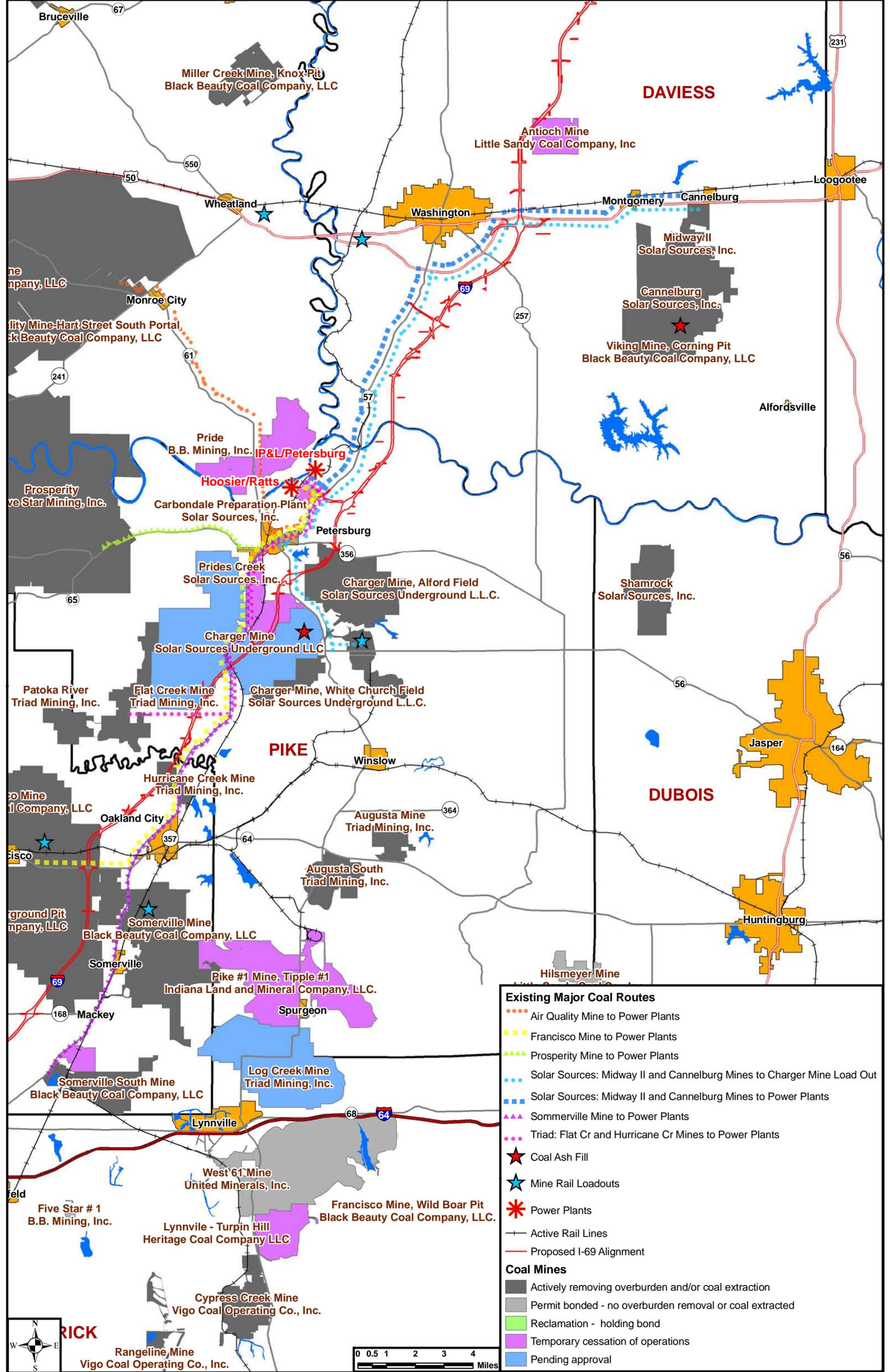
Conclusion

Construction of I-69 with interchanges at SR 61/56 and US 50 near Washington will provide some relief in the Petersburg area from coal-related truck traffic with origins or destinations well to the north and south. Including the North Pike County interchange would provide some additional relief. Ultimately, due to the proximity of Petersburg to such a large number of geographically-diverse trip generators, I-69 alone (with or without the North Pike interchange) will not change the routes of most trucks now passing through downtown Petersburg.



Year 2007
 Traffic Count Data
 0000 - Total AADT
 0000 - Truck AADT





DAVIESS

PIKE

DUBOIS

VIGO

Existing Major Coal Routes

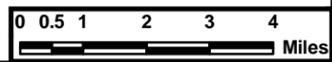
- Air Quality Mine to Power Plants
- ■ ■ Francisco Mine to Power Plants
- ▲ ▲ ▲ Prosperity Mine to Power Plants
- Solar Sources: Midway II and Cannelburg Mines to Charger Mine Load Out
- ■ ■ Solar Sources: Midway II and Cannelburg Mines to Power Plants
- ▲ ▲ ▲ Sommerville Mine to Power Plants
- Triad: Flat Cr and Hurricane Cr Mines to Power Plants

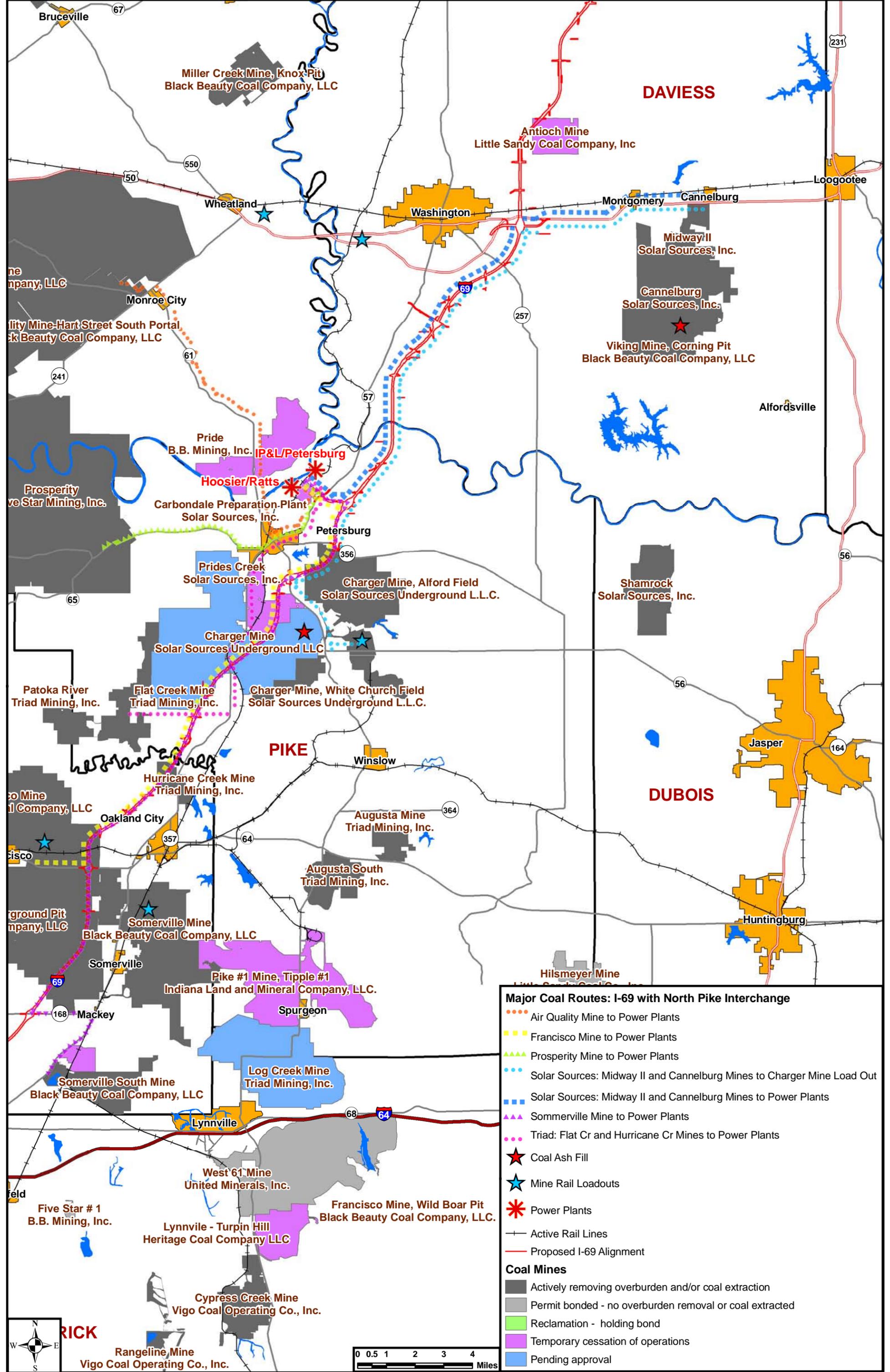
- ★ Coal Ash Fill
- ★ Mine Rail Loadouts
- ★ Power Plants

- Active Rail Lines
- Proposed I-69 Alignment

Coal Mines

- Actively removing overburden and/or coal extraction
- Permit bonded - no overburden removal or coal extracted
- Reclamation - holding bond
- Temporary cessation of operations
- Pending approval





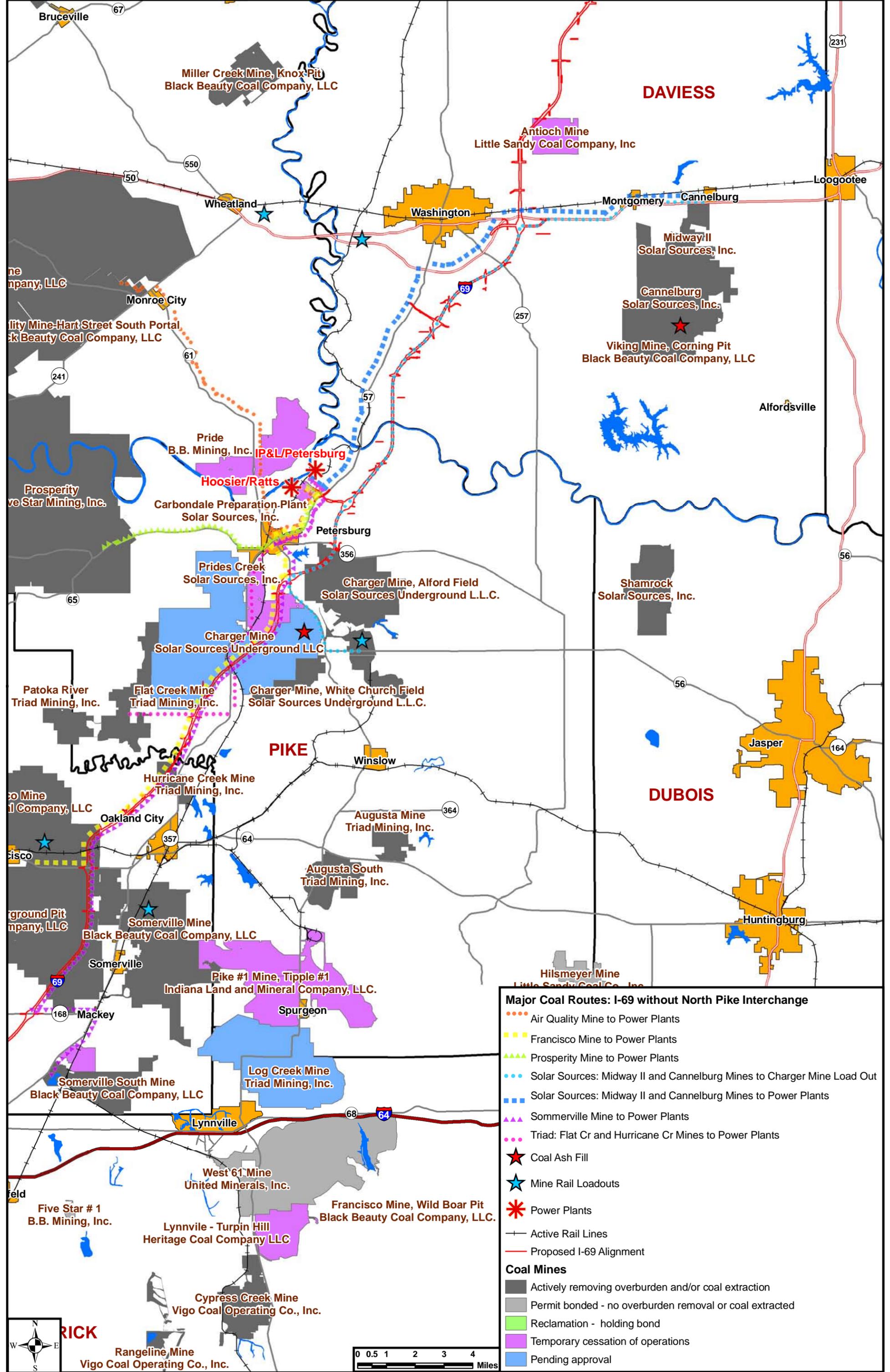
Major Coal Routes: I-69 with North Pike Interchange

- Air Quality Mine to Power Plants
- ■ ■ Francisco Mine to Power Plants
- ▲ ▲ ▲ Prosperity Mine to Power Plants
- ● ● Solar Sources: Midway II and Cannelburg Mines to Charger Mine Load Out
- ■ ■ Solar Sources: Midway II and Cannelburg Mines to Power Plants
- ▲ ▲ ▲ Sommerville Mine to Power Plants
- ● ● Triad: Flat Cr and Hurricane Cr Mines to Power Plants
- ★ Coal Ash Fill
- ★ Mine Rail Loadouts
- ★ Power Plants
- Active Rail Lines
- Proposed I-69 Alignment

Coal Mines

- Actively removing overburden and/or coal extraction
- Permit bonded - no overburden removal or coal extracted
- Reclamation - holding bond
- Temporary cessation of operations
- Pending approval





- Major Coal Routes: I-69 without North Pike Interchange**
- Air Quality Mine to Power Plants
 - ■ ■ Francisco Mine to Power Plants
 - ▲ ▲ ▲ Prosperity Mine to Power Plants
 - ● ● Solar Sources: Midway II and Cannelburg Mines to Charger Mine Load Out
 - ■ ■ Solar Sources: Midway II and Cannelburg Mines to Power Plants
 - ▲ ▲ ▲ Sommerville Mine to Power Plants
 - ● ● Triad: Flat Cr and Hurricane Cr Mines to Power Plants
 - ★ Coal Ash Fill
 - ★ Mine Rail Loadouts
 - ✱ Power Plants
 - Active Rail Lines
 - Proposed I-69 Alignment
- Coal Mines**
- Actively removing overburden and/or coal extraction
 - Permit bonded - no overburden removal or coal extracted
 - Reclamation - holding bond
 - Temporary cessation of operations
 - Pending approval

2003 Indiana Coal Production

Total Surface Production	26,751,812
Total Underground Production	8,554,761
	35,306,573

2003 Indiana Coal Mine Production By Company

Operator	Mine	County	Tonnage
B B Mining, Inc.	Pride	Knox	<u>477,993</u>
		TOTAL	477,993
Beech Coal Company	Sycamore	Knox	<u>88,905</u>
		TOTAL	88,905
Black Beauty Coal Company	Viking Corning Pit	Daviess	1,442,651
	Somerville Central	Gibson	3,323,550
	Miller Creek	Greene	738,451
	Farmersburg	Vigo	4,232,880
	Francisco Surface	Gibson	2,459,125
	Francisco Underground	Gibson	38,451
	Air Quality #1	Knox	<u>1,879,833</u>
	TOTAL		14,114,941
Five Star Mining, Inc.	Prosperity	Pike	<u>2,206,290</u>
		TOTAL	2,206,290
Gibson County Coal, LLC	Gibson County	Gibson	<u>2,422,807</u>
		TOTAL	2,422,807
Kindill Mining, Inc.	Kindill 3	Sullivan	1,400,120
	White Church Field	Pike	<u>2,001,769</u>
		TOTAL	3,401,889

McCawith Energy, Inc.	Rainbow Mine	Parke	<u>7,401</u>
		TOTAL	7,401
Solar Sources Undgrnd., LLC	Monroe City	Knox	<u>1,021,619</u>
		TOTAL	1,021,619
Solar Sources, Inc.	Midway II	Daviess	1,585
	Lewis	Clay	397,111
	Cannelburg	Greene	<u>2,050,187</u>
		TOTAL	2,448,883
Triad Mining, Inc.	Lyons	Greene	5,177
	Newberry	Greene	332,071
	Patoka River	Pike	807,821
	Freelandville Surface	Knox	456,439
	Freelandville Undgrnd	Knox	458,604
	Flint Hill	Spencer	336,060
	Augusta	Pike	655,675
	Martz	Clay	<u>344,621</u>
		TOTAL	3,396,468
United Minerals Co., LLC	Somerville South	Gibson	1,329,786
	Somerville North	Gibson	<u>2,664,195</u>
		TOTAL	3,993,981
Vigo Coal Company	Cypress Creek	Warrick	1,032,579
	Rangeline	Warrick	158,961
	Redbrush	Warrick	<u>6,699</u>
		TOTAL	1,198,239
White River Coal, Inc.	Hazelton	Gibson	<u>527,157</u>
		TOTAL	527,157

**2003 INDIANA SURFACE COAL
PRODUCTION BY COUNTY**

County	Operator	Mine	Tonnage
Clay	Solar Sources, Inc.	Lewis	397,111
	Triad Mining, Inc.	Martz	<u>344,621</u>
		TOTAL	741,732
Daviess	Black Beauty Coal Co.	Viking Corning Pit	1,442,651
	Solar Sources, Inc.	Midway II	<u>1,585</u>
		TOTAL	1,444,236
Gibson	Black Beauty Coal Co.	Francisco Surface	2,459,125
		Somerville Central	3,323,550
	United Minerals Co., LLC	Somerville South	1,329,786
		Somerville North	<u>2,664,195</u>
		TOTAL	9,776,656
Greene	Black Beauty Coal Co.	Miller Creek	738,451
	Solar Sources, Inc.	Cannelburg	2,050,187
	Triad Mining, Inc.	Lyons	5,177
		Newberry	<u>332,071</u>
		TOTAL	3,125,886
Knox	B B Mining, Inc.	Pride	477,993
	Beech Coal Company	Sycamore	88,905
	Triad Mining, Inc.	Freelandville Surface	<u>456,439</u>
		TOTAL	1,023,337
Parke	McCawith Energy, Inc.	Rainbow	<u>7,401</u>
		TOTAL	7,401
Pike	Kindill Mining, Inc.	White Church Field	2,001,769
	Triad Mining, Inc.	Patoka River	807,821
		Augusta	<u>655,675</u>
		TOTAL	3,465,265
Spencer	Triad Mining, Inc.	Flint Hill	<u>336,060</u>
		TOTAL	336,060
Sullivan	Kindill Mining, Inc.	Kindill 3	<u>1,400,120</u>
		TOTAL	1,400,120

Warrick	Vigo Coal Company	Cypress Creek	1,032,579
		Rangeline	158,961
		Redbrush	<u>6,699</u>
		TOTAL	1,198,239
Vigo	Black Beauty Coal Co.	Farmersburg	<u>4,232,880</u>
		TOTAL	4,232,880
		TOTAL TONNAGE	26,751,812

2003 Indiana Underground Coal Production By County

County	Operator	Mine	Tonnage
Gibson	Black Beauty Coal Co.	Francisco Underground	38,451
	Gibson County Coal Co.	Gibson	2,422,807
	White River Coal Co.	Hazelton	<u>527,157</u>
		TOTAL	2,988,415
Knox	Black Beauty Coal Co.	Air Quality #1	1,879,833
	Solar Sources Underground	Monroe City	1,021,619
	Triad Mining, Inc.	Freelandville Underground	<u>458,604</u>
		TOTAL	3,360,056
Pike	Five Star Mining, Inc.	Prosperity	<u>2,206,290</u>
		TOTAL	2,206,290
		TOTAL TONNAGE	8,554,761

2003 Indiana Coal Production by County

1. Gibson	12,765,071
2. Pike	5,671,555
3. Knox	4,383,393
4. Vigo	4,232,880
5. Greene	3,125,886
6. Daviess	1,444,236
7. Sullivan	1,400,120
8. Warrick	1,198,239
9. Clay	741,732
10. Spencer	336,060
11. Parke	7,401

Total Tonnage 35,306,573

2003 Indiana Coal Company Production Rankings (tons)

1. Black Beauty Coal Company	14,114,941
2. United Minerals Company LLC.	3,993,981
3. Solar Sources, Inc. & Solar Sources Undgrnd, LLC	3,470,502
4. Kindill Mining, Inc.	3,401,889
5. .Triad Mining, Inc.	3,396,468
6. Gibson County Coal	2,422,807
7. Five Star Mining, Inc.	2,206,290
8. Vigo Coal Company	1,198,239
9. White River Coal Company	527,157
10. B B Mining, Inc.,	477,993
11. Beech Coal Company	88,905
12. McCawith Energy, Inc.	7,401

2004 Indiana Coal Production

Total Surface Production	25,199,333
Total Underground Production	<u>10,041,181</u>
	35,240,514

2004 Indiana Coal Mine Production By Company

Operator	Mine	County	Tonnage
B B Mining, Inc.	Pride	Knox	<u>255,664</u>
		TOTAL	255,664
Black Beauty Coal Company	Viking	Daviess	1,460,474
	Somerville	Gibson	7,200,406
	Farmersburg	Vigo	4,267,615
	Francisco	Gibson	3,094,734
	Miller Creek	Clay	865,172
	Air Quality	Knox	<u>1,715,290</u>
	TOTAL		18,603,692
Five Star Mining, Inc.	Prosperity	Pike	<u>2,345,369</u>
		TOTAL	2,345,369
Foertsch Construction Co., Inc.	Little Sandy #10	Daviess	<u>22,748</u>
		TOTAL	22,748
Gibson County Coal, LLC	Gibson County	Gibson	<u>2,977,845</u>
		TOTAL	2,977,845
Kindill Mining, Inc.	Kindill 3 White Church Field	Sullivan	928,886
		Pike	<u>1,203,272</u>
		TOTAL	2,132,158
Solar Sources Undgrond., LLC	Monroe City	Knox	<u>884,320</u>
		TOTAL	884,320

Solar Sources, Inc.	Lewis	Clay	417,446
	Cannelburg	Greene	<u>2,197,675</u>
		TOTAL	2,615,121
Triad Mining, Inc.	Lyons	Greene	217,597
	Patoka River	Pike	799,226
	Freelandville Surface	Knox	408,186
	Freelandville East Pit	Knox	462,323
	Freelandville Undgrnd	Knox	444,387
	Flint Hill	Spencer	311,157
	Augusta	Pike	675,994
	Martz	Clay	<u>72,311</u>
		TOTAL	3,391,181
Vigo Coal Company	Cypress Creek	Warrick	1,201,840
	Rangeline	Warrick	<u>97,980</u>
		TOTAL	1,299,820
White River Coal, Inc.	Hazelton	Gibson	<u>712,595</u>
		TOTAL	712,595

**2004 INDIANA SURFACE COAL
PRODUCTION BY COUNTY**

County	Operator	Mine	Tonnage
Clay	Black Beauty Coal Company	Miller Creek	865,172
	Solar Sources, Inc.	Lewis	417,446
	Triad Mining, Inc.	Martz	<u>72,311</u>
		TOTAL	1,354,929
Daviess	Black Beauty Coal Company	Viking	1,460,474
	Foertsch Construction Co., Inc.	Little Sandy #10	<u>22,748</u>
		TOTAL	1,483,222
Gibson	Black Beauty Coal Company	Somerville	7,200,406
	Black Beauty Coal Company	Francisco	<u>2,133,358</u>
		TOTAL	9,333,764
Greene	Solar Sources, Inc.	Cannelburg	2,197,675
	Triad Mining, Inc.	Lyons	<u>217,597</u>
		TOTAL	2,415,272
Knox	B B Mining, Inc.	Pride	255,664
	Triad Mining, Inc.	Freelandville Surface	408,186
	Triad Mining, Inc.	Freelandville East Pit	<u>462,323</u>
		TOTAL	1,126,173
Pike	Kindill Mining, Inc.	White Church Field	1,203,272
	Triad Mining, Inc.	Patoka River	799,226
	Triad Mining, Inc.	Augusta	<u>675,994</u>
		TOTAL	2,678,492
Spencer	Triad Mining, Inc.	Flint Hill	<u>311,157</u>
		TOTAL	311,157
Sullivan	Kindill Mining, Inc.	Kindill 3	<u>928,886</u>
		TOTAL	928,886

Vigo	Black Beauty Coal Company	Farmersburg	<u>4,267,615</u>
		TOTAL	4,267,615
Warrick	Vigo Coal Company	Cypress Creek	1,201,840
	Vigo Coal Company	Rangeline	<u>97,980</u>
		TOTAL	1,299,820

2004 Indiana Underground Coal Production By County

County	Operator	Mine	Tonnage
Gibson	Black Beauty Coal Co.	Francisco	961,376
	Gibson County Coal Co.	Gibson	2,977,845
	White River Coal Co.	Hazelton	<u>712,595</u>
		TOTAL	4,651,816
Knox	Black Beauty Coal Co.	Air Quality	1,715,290
	Solar Sources Underground	Monroe City	884,320
	Triad Mining, Inc.	Freelandville Underground	<u>444,387</u>
		TOTAL	3,043,997
Pike	Five Star Mining, Inc.	Prosperity	<u>2,345,369</u>
		TOTAL	2,345,369
		TOTAL TONNAGE	10,041,181

2004 Indiana Coal Production by County

1. Gibson	8,595,216
2. Pike	7,369,230
3. Knox	7,215,167
4. Vigo	4,267,615
5. Greene	2,415,272
6. Daviess	1,483,222
7. Clay	1,354,929
8. Warrick	1,299,820
9. Sullivan	928,886
10. Spencer	311,157

Total Tonnage 35,240,514

2004 Indiana Coal Company Production Rankings (tons)

1. Black Beauty Coal Company	18,603,692
2. Solar Sources, Inc. & Solar Sources Undgrnd, LLC	3,499,441
3. Triad Mining, Inc.	3,391,181
4. Gibson County Coal	2,977,845
5. Five Star Mining, Inc.	2,345,369
6. Kindill Mining, Inc.	2,132,158
7. Vigo Coal Company	1,299,820
8. White River Coal Company	712,595
9. B B Mining, Inc.,	255,664
10. Foertsch Construction Co., Inc.	22,748

2005 Indiana Coal Production

Total Surface Production	23,249,273
Total Underground Production	<u>11,210,779</u>
	34,460,052

2005 Indiana Coal Mine Production By Company

Operator	Mine	County	Tonnage
Black Beauty Coal Company	Viking	Daviess	1,547,874
	Somerville	Gibson	8,144,165
	Farmersburg	Vigo	3,846,231
	Francisco	Gibson	2,913,171
	Miller Creek	Clay	1,015,714
	Air Quality	Knox	<u>2,131,118</u>
	TOTAL		19,598,272
Coal Field Development Company	Hymera	Sullivan	<u>60,012</u>
		TOTAL	60,012
Five Star Mining, Inc.	Prosperity	Pike	<u>3,154,998</u>
		TOTAL	3,154,998
Gibson County Coal, LLC	Gibson County	Gibson	<u>3,506,107</u>
		TOTAL	3,506,107
Solar Sources Underground	Monroe City	Knox	<u>231,151</u>
		TOTAL	231,151
Solar Sources, Inc.	Lewis	Clay	449,552
	Cannelburg	Greene	<u>1,988,722</u>
		TOTAL	2,438,274
Sunrise Coal	Howesville	Sullivan	<u>24,196</u>
		TOTAL	24,196

Triad Mining, Inc.	Lyons	Greene	2,778
	Patoka River	Pike	401,266
	Freelandville Surface	Knox	619,223
	Freelandville East Pit	Knox	584,607
	Freelandville Undgrnd	Knox	93,910
	Freelandville Surface/Undgrnd	Knox	328,697
	Flint Hill	Spencer	217,431
	Augusta	Pike	722,866
	South Augusta	Pike	<u>575,308</u>
		TOTAL	3,546,086
Vigo Coal Company	Cypress Creek	Warrick	1,287,676
	Rangeline	Warrick	<u>714</u>
		TOTAL	1,288,390
White River Coal, Inc.	Hazelton	Gibson	<u>612,463</u>
		TOTAL	612,463

**2005 INDIANA SURFACE COAL
PRODUCTION BY COUNTY**

County	Operator	Mine	Tonnage
Clay	Black Beauty Coal Company Solar Sources, Inc.	Miller Creek	928,559
		Lewis	449,552
		TOTAL	1,378,111
Daviess	Black Beauty Coal Company Solar Sources, Inc.	Viking	1,547,874
		Cannelburg	1,988,722
		TOTAL	3,536,596
Gibson	Black Beauty Coal Company Black Beauty Coal Company	Somerville	8,144,165
		Francisco	<u>1,785,031</u>
		TOTAL	9,929,196
Greene	Triad Mining, Inc.	Lyons	<u>2,778</u>
		TOTAL	2,778
Knox	Triad Mining, Inc.	Freelandville Surface	619,223
	Triad Mining, Inc.	Freelandville East Pit	584,607
	Black Beauty Coal Company	Miller Creek - Knox Pit	<u>87,154</u>
		TOTAL	1,290,984
Pike	Triad Mining, Inc.	Patoka River	401,266
	Triad Mining, Inc.	Augusta	722,866
	Triad Mining, Inc.	South Augusta	<u>575,307</u>
		TOTAL	1,699,439
Spencer	Triad Mining, Inc.	Flint Hill	<u>217,431</u>
		TOTAL	217,431
Sullivan	Coal Field Development Co.	Hymera	<u>60,012</u>
		TOTAL	60,012
Vigo	Black Beauty Coal Company	Farmersburg	<u>3,846,231</u>
		TOTAL	3,846,231

Warrick	Vigo Coal Company	Cypress Creek	1,287,676
	Vigo Coal Company	Rangeline	<u>714</u>
		TOTAL	1,288,390
		TOTAL TONNAGE	23,249,273

2005 Indiana Underground Coal Production By County

County	Operator	Mine	Tonnage
Gibson	Black Beauty Coal Co.	Francisco	1,128,140
	Gibson County Coal Co.	Gibson	3,506,107
	White River Coal Co.	Hazelton	<u>612,463</u>
		TOTAL	5,246,710
Knox	Black Beauty Coal Co.	Air Quality	2,131,118
	Solar Sources Underground	Monroe City	231,151
	Triad Mining, Inc.	Freelandville Underground	<u>422,607</u>
		TOTAL	2,784,876
Pike	Five Star Mining, Inc.	Prosperity	<u>3,154,998</u>
		TOTAL	3,154,998
Sullivan	Sunrise Coal	Howesville	<u>24,196</u>
		TOTAL	24,196
		TOTAL TONNAGE	11,210,779

2005 Indiana Coal Production by County

1. Gibson	15,175,906
2. Pike	4,854,437
3. Knox	4,075,860
4. Vigo	3,846,231
5. Daviess	3,536,596
6. Clay	1,378,111
7. Warrick	1,288,390
8. Spencer	217,431
9. Sullivan	84,208
10. Greene	2,778

Total Tonnage 34,460,052

2005 Indiana Coal Company Production Rankings (tons)

1. Black Beauty Coal Company	19,598,272
2. Triad Mining, Inc.	3,546,086
3. Gibson County Coal	3,506,107
4. Five Star Mining, Inc.	3,154,998
5. Solar Sources, Inc. & Solar Sources Underground, LLC	2,669,425
6. Vigo Coal Company	1,288,390
7. White River Coal Company	612,463
8. Coal Field Development Company	60,012
9. Sunrise Coal	24,196

2006 Indiana Coal Production

Total Surface Production	23,984,126
Total Underground Production	10,731,484
	34,715,610

2006 Indiana Coal Mine Production By Company

Operator	Mine	County	Tonnage
Black Beauty Coal Company	Viking	Daviess	1,517,365
	Somerville	Gibson	8,551,987
	Farmersburg	Vigo	3,834,993
	Francisco	Gibson	3,147,515
	Miller Creek	Clay	1,568,375
	Air Quality	Knox	2,195,973
	TOTAL		20,816,208
Coal Field Development Company	Hymera	Sullivan	29,952
		TOTAL	29,952
Five Star Mining, Inc.	Prosperity	Pike	2,777,562
		TOTAL	2,777,562
Gibson County Coal, LLC	Gibson County	Gibson	3,551,200
		TOTAL	3,551,200
Solar Sources, Inc.	Lewis	Clay	531,603
	Shamrock	Dubois	75,457
	Cannelburg	Greene	1,816,635
	TOTAL		2,423,695
Sunrise Coal	Howesville	Sullivan	142,606
		TOTAL	142,606

Triad Mining, Inc.	Flat Creek	Pike	275,093
	Patoka River	Pike	486,939
	Freelandville Surface	Knox	645,529
	Freelandville East Pit	Knox	506,673
	Freelandville Undgrnd	Knox	466,475
	Augusta	Pike	296,326
	South Augusta	Pike	631,281
	TOTAL		3,348,316
Vigo Coal Company	Cypress Creek	Warrick	1,186,789
		TOTAL	1,186,789
White River Coal, Inc.	Hazelton	Gibson	439,383
		TOTAL	439,383

2006 INDIANA SURFACE COAL PRODUCTION BY COUNTY

County	Operator	Mine	Tonnage
Clay	Black Beauty Coal Company	Miller Creek	283,278
	Solar Sources, Inc.	Lewis	531,603
		TOTAL	814,881
Davies	Black Beauty Coal Company	Viking	1,517,365
	Solar Sources, Inc.	Cannelburg	1,816,635
		TOTAL	3,334,000
Dubois	Solar Sources, Inc.	Shamrock	75,457
		Total	75,457
Gibson	Black Beauty Coal Company	Somerville	8,551,987
	Black Beauty Coal Company	Francisco	1,989,230
		TOTAL	10,541,217

Knox	Triad Mining, Inc.	Freelandville Surface	645,529
	Triad Mining, Inc.	Freelandville East Pit	506,673
	Black Beauty Coal Company	Miller Creek-Knox Pit	1,285,099
		TOTAL	2,437,299
Pike	Triad Mining, Inc.	Patoka River	486,939
	Triad Mining, Inc.	Flat Creek	275,093
	Triad Mining, Inc.	Augusta	296,326
	Triad Mining, Inc.	South Augusta	671,281
	TOTAL	1,729,639	
Sullivan	Coal Field Development Co.	Hymera	29,852
		TOTAL	29,852
Vigo	Black Beauty Coal Company	Farmersburg	3,834,993
		TOTAL	3,834,993
Warrick	Vigo Coal Company	Cypress Creek	1,186,789
		TOTAL	1,186,789
		TOTAL TONNAGE	23,984,126

2006 Indiana Underground Coal Production By County

County	Operator	Mine	Tonnage
Gibson	Black Beauty Coal Co.	Francisco	1,158,285
	Gibson County Coal Co.	Gibson	3,551,200
	White River Coal Co.	Hazelton	439,383
		TOTAL	5,148,868
Knox	Black Beauty Coal Co.	Air Quality	2,195,973
	Triad Mining, Inc.	Freelandville Underground	466,475

		TOTAL	2,662,448
Pike	Five Star Mining, Inc.	Prosperity	2,777,562
		TOTAL	2,777,562
Sullivan	Sunrise Coal	Howesville	142,606
		TOTAL	142,606
		TOTAL TONNAGE	10,731,484

2006 Indiana Coal Production by County

1. Gibson	15,690,085
2. Knox	5,099,747
3. Pike	4,507,201
4. Vigo	3,834,993
5. Daviess	3,334,000
6. Warrick	1,186,789
7. Clay	814,881
8. Sullivan	172,458
9. Dubois	75,457
Total Tonnage	34,715,610

2006 Indiana Coal Company Production Rankings

(tons)

1. Black Beauty Coal Company	20,816,208
2. Gibson County Coal	3,551,200
3. Triad Mining, Inc.	3,348,316
4. Five Star Mining, Inc.	2,777,562
5. Solar Sources, Inc.	2,423,695
6. Vigo Coal Company	1,186,789
7. White River Coal Company	439,383
8. Sunrise Coal	142,606
9. Coal Field Development Company	29,952

2007 Indiana Coal Production

Total Surface Production	23,642,482
Total Underground Production	10,588,669
	34,231,151

2007 Indiana Coal Mine Production By Company

Operator	Mine	County	Tonnage
Black Beauty Coal Company	Viking	Daviess	1,656,649
	Somerville	Gibson	8,213,785
	Farmersburg	Vigo	3,514,436
	Francisco	Gibson	3,016,406
	Miller Creek	Knox	1,210,578
	Air Quality	Knox	2,037,119
		TOTAL	
Five Star Mining, Inc.	Prosperity	Pike	2,624,031
		TOTAL	2,624,031
Gibson County Coal, LLC	Gibson County	Gibson	3,213,852
		TOTAL	3,213,852
Solar Sources, Inc.	Lewis	Clay	548,929
	Shamrock	Dubois	640,769
	Cannelburg	Daviess	1,304,324
	Midway II	Daviess	489,961
		TOTAL	2,983,983
Sunrise Coal	Carlisle	Sullivan	972,477
		TOTAL	972,477
Triad Mining, Inc.	Flat Creek	Pike	274,081
	Patoka River	Pike	40,713
	Freelandville Surface	Knox	584,917

	Freelandville East Pit	Knox	445,087
	Freelandville Undgrnd	Knox	591,370
	Augusta	Pike	430,879
	South Augusta	Pike	563,888
	Hurricane Creek	Gibson	210,581
		TOTAL	3,141,517
Vigo Coal Company	Cypress Creek	Warrick	1,403,304
		TOTAL	1,403,304
White River Coal, Inc.	Hazelton	Gibson	243,014
		TOTAL	243,014

2007 INDIANA SURFACE COAL PRODUCTION BY COUNTY

County	Operator	Mine	Tonnage
Clay	Solar Sources, Inc.	Lewis	548,929
		TOTAL	548,929
Daviess	Black Beauty Coal Company	Viking	1,656,649
	Solar Sources, Inc.	Cannelburg	1,304,324
	Solar Sources, Inc.	Midway II	489,961
		TOTAL	3,450,934
Dubois	Solar Sources, Inc.	Shamrock	640,769
		Total	640,769
Gibson	Black Beauty Coal Company	Somerville	8,213,785
	Black Beauty Coal Company	Francisco	2,109,600
	Triad Mining Inc.	Hurricane Creek	210,581
		TOTAL	10,533,966

Knox	Triad Mining, Inc.	Freelandville Surface	584,917
	Triad Mining, Inc.	Freelandville East Pit	445,087
	Black Beauty Coal Company	Miller Creek-Knox Pit	1,210,578
		TOTAL	2,240,582
Pike	Triad Mining, Inc.	Patoka River	40,713
	Triad Mining, Inc.	Flat Creek	274,081
	Triad Mining, Inc.	Augusta	430,879
	Triad Mining, Inc.	South Augusta	563,888
	TOTAL	1,309,561	
Vigo	Black Beauty Coal Company	Farmersburg	3,514,436
		TOTAL	3,514,436
Warrick	Vigo Coal Company	Cypress Creek	1,403,304
		TOTAL	1,403,304
		TOTAL TONNAGE	23,642,482

2007 Indiana Underground Coal Production By County

County	Operator	Mine	Tonnage
Gibson	Black Beauty Coal Co.	Francisco	906,806
	Gibson County Coal Co.	Gibson	3,213,852
	White River Coal Co.	Hazelton	243,014
		TOTAL	4,363,672
Knox	Black Beauty Coal Co.	Air Quality	2,037,119
	Triad Mining, Inc.	Freelandville Underground	591,370
		TOTAL	2,628,489
Pike	Five Star Mining, Inc.	Prosperity	2,624,031
		TOTAL	2,624,031

Sullivan	Sunrise Coal	Carlisle	972,477
		TOTAL	972,477
		TOTAL TONNAGE	10,588,669

2007 Indiana Coal Production by County

1. Gibson	14,897,638
2. Knox	4,869,071
3. Pike	3,933,592
4. Vigo	3,514,436
5. Daviess	3,450,934
6. Warrick	1,403,304
7. Sullivan	972,477
8. Dubois	640,769
9. Clay	548,929
Total Tonnage	34,231,151

2007 Indiana Coal Company Production Rankings

(tons)

1. Black Beauty Coal Company	19,648,971
2. Gibson County Coal	3,213,852
3. Triad Mining, Inc.	3,141,517
4. Solar Sources, Inc.	2,983,983
5. Five Star Mining, Inc.	2,624,031
6. Vigo Coal Company	1,403,304
7. Sunrise Coal	972,477
8. White River Coal Company	243,014

2008 Indiana Coal Production

Total Surface Production	23,904,274
Total Underground Production	12,143,141
	36,047,415

2008 Indiana Coal Mine Production By Company

Operator	Mine	County	Tonnage
Black Beauty Coal Company	Viking	Daviess	1,575,624
	Somerville	Gibson	7,935,469
	Farmersburg	Vigo	3,329,975
	Francisco	Gibson	3,417,227
	Miller Creek	Knox	1,835,557
	Air Quality	Knox	1,884,871
	TOTAL		19,978,422
Covol Fuels No. 2, LLC	Chinook	Clay	128,146
		TOTAL	128,416
Five Star Mining, Inc.	Prosperity	Pike	2,365,057
		TOTAL	2,365,057
Gibson County Coal, LLC	Gibson County	Gibson	3,784,579
		TOTAL	3,784,579
Jarvis Coal, LLC	JC #1	Sullivan	120,115
		TOTAL	120,115
Little Sandy Coal Company, Inc.	Antioch	Daviess	30,639
		TOTAL	30,639

Solar Sources, Inc.	Lewis	Clay	474,288
	Shamrock	Dubois	838,120
	Cannelburg	Daviess	1,037,106
	Midway II	Daviess	900,699
		TOTAL	3,250,213
Sunrise Coal	Carlisle	Sullivan	1,933,449
		TOTAL	1,933,449
Triad Mining, Inc.	Flat Creek	Pike	356,499
	Freelandville Surface	Knox	567,780
	Freelandville East Pit	Knox	225,691
	Freelandville Central Pit	Knox	86,765
	Freelandville Undgrnd	Knox	663,519
	Augusta	Pike	359,481
	South Augusta	Pike	578,287
	Hurricane Creek	Gibson	266,281
		TOTAL	3,104,604
Vigo Coal Company	Cypress Creek	Warrick	1,151,397
	Red Brush	Warrick	200,895
		TOTAL	1,352,192

**2008 INDIANA SURFACE COAL
PRODUCTION BY COUNTY**

County	Operator	Mine	Tonnage
Clay	Solar Sources, Inc.	Lewis	474,288
	Covol Fuels No. 2, LLC	Chinook	128,146
		TOTAL	602,434
Davies	Black Beauty Coal Company	Viking	1,575,624
	Solar Sources, Inc.	Cannelburg	1,037,106
	Solar Sources, Inc.	Midway II	900,699
	Little Sandy Coal Company, Inc.	Antioch	30,639
	TOTAL	3,544,068	
Dubois	Solar Sources, Inc.	Shamrock	838,120
		Total	838,120
Gibson	Black Beauty Coal Company	Somerville	7,935,469
	Black Beauty Coal Company	Francisco	1,905,261
	Triad Mining Inc.	Hurricane Creek	266,281
	TOTAL	10,107,011	
Knox	Triad Mining, Inc.	Freelandville Surface	567,780
	Triad Mining, Inc.	Freelandville East Pit	225,691
	Triad Mining, Inc.	Freelandville Center Pit	86,765
	Black Beauty Coal Company	Miller Creek-Knox Pit	1,835,557
	TOTAL	2,715,793	
Pike	Triad Mining, Inc.	Flat Creek	356,799
	Triad Mining, Inc.	Augusta	359,481
	Triad Mining, Inc.	South Augusta	578,287
	TOTAL	1,294,567	

Sullivan	Jarvis Coal, LLC	JC #1	120,115
		TOTAL	120,115
Vigo	Black Beauty Coal Company	Farmersburg	3,329,975
		TOTAL	3,329,975
Warrick	Vigo Coal Company	Cypress Creek	1,151,297
		Red Brush	200,895
		TOTAL	1,352,192
		TOTAL TONNAGE	23,904,274

2008 Indiana Underground Coal Production By County

County	Operator	Mine	Tonnage
Gibson	Black Beauty Coal Co.	Francisco	1,511,666
	Gibson County Coal Co.	Gibson	3,784,579
		TOTAL	5,296,245
Knox	Black Beauty Coal Co.	Air Quality	1,884,871
	Triad Mining, Inc.	Freelandville Underground	663,519
		TOTAL	2,548,390
Pike	Five Star Mining, Inc.	Prosperity	2,365,057
		TOTAL	2,365,057
Sullivan	Sunrise Coal	Carlisle	1,933,449
		TOTAL	1,933,449
		TOTAL TONNAGE	12,143,141

2008 Indiana Coal Production by County

1. Gibson	15,403,256
2. Knox	5,264,183
3. Pike	3,659,624
4. Daviess	3,544,068
5. Vigo	3,329,975
6. Sullivan	2,053,564
7. Warrick	1,352,192
8. Dubois	838,120
9. Clay	602,434
Total Tonnage	36,047,415

2008 Indiana Coal Company Production Rankings

(tons)

1. Black Beauty Coal Company	19,978,422
2. Gibson County Coal	3,784,579
3. Solar Sources, Inc.	3,250,213
4. Triad Mining, Inc.	3,104,604
5. Five Star Mining, Inc.	2,365,057
6. Sunrise Coal	1,933,449
7. Vigo Coal Company	1,352,191
8. Covol Fuels No. 2, LLC	128,146
9. Jarvis Coal, LLC	120,115
10. Little Sandy Coal Company, Inc.	30,639