



The information presented in the following tables updates the methane data in CMOP's report *Identifying Opportunities for Methane Recovery at U.S. Coal Mines: Profiles of Selected Gassy Underground Coal Mines 2002-2006* to reflect the 2012 production year.

Underground Coal Mines

Alabama						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Blue Creek No. 4 (U)	Jim Walter Resources, Inc. (Walter Industries Inc.)	9.2	3.2	100%	Natural gas pipeline injection / VAM Oxidation	471,444
Blue Creek No. 7 (U)	Jim Walter Resources, Inc. (Walter Industries Inc.)	26.2	15.9	100%	Natural gas pipeline injection	2,339,787
North River Mine (U)	Chevron Mining, Inc. (Chevron Corporation)	2.1	N/A	N/A	N/A	N/A
Oak Grove Mine (U)	Oak Grove Resources LLC (Cleveland-Cliffs LLC)	4.2	2.6	85%	Natural gas pipeline injection	345,762
Shoal Creek (U)	Drummond Company Inc.	3.0	15.8	98%	Natural gas pipeline injection	2,266,982

⁽A) - Abandoned Underground Mine

⁽S) - Surface Mine



Colorado						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Bowie No. 2 (U)	Bowie Resources LLC (Union Pacific)	1.8	0.3	0%	N/A	0
Elk Creek Mine (U)	Oxbow Mining LLC (Oxbow Carbon & Materials Inc.)	8.8	2.6	2%	Electric power generation, Flare, Mine air heating	6,856
McClane Canyon Mine (U)	McClane Canyon Mining LLC (Wexford Capital LLC)	0.2	N/A	N/A	N/A	N/A
West Elk Mine (U)	Mountain Coal Co.	4.1	2.8	3%	Mine air	11,426

Illinois						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
The American Coal Company (U)	The American Coal Company (Murray Energy Corp.)	8.2	N/A	N/A	N/A	N/A
Mach #1 Mine (U)	Mach Mining LLC (Coalfield Transport Inc.)	2.8	N/A	N/A	N/A	N/A
Pattiki (U)	White County Coal LLC (Alliance Resource Partners LLC)	2.1	N/A	N/A	N/A	N/A
Willow Lake Portal (U)	Bay Ridge Inc. (Peabody Energy Corp.)	1.5	N/A	N/A	N/A	N/A



Indiana						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Carlisle Mine (U)	Sunrise Coal LLC	2.3	N/A	N/A	N/A	N/A
Francisco Mine - Underground Pit (U)	Peabody Midwest Mining, LLC (Peabody Energy)	1.8	N/A	N/A	N/A	N/A
Gibson (U)	Gibson County Coal LLC (Alliance Resource Partners LP)	4.5	N/A	N/A	N/A	N/A
Prosperity Mine (U)	Five Star Mining Inc.	1.3	N/A	N/A	N/A	N/A

Kentucky						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Cardinal (U)	Warrior Coal LLC (Alliance Resource Partners LP)	2.3	N/A	N/A	N/A	N/A
Dotiki (U)	Webster County Coal LLC (Alliance Resource Partners LP)	1.1	N/A	N/A	N/A	N/A
E3-1 (U)	Perry County Coal Corp. (Teco Coal Co.)	1.6	N/A	N/A	N/A	N/A
Elk Creek Mine (U)	Hopkins County Coal LLC (Alliance Resource Partners LP)	2.3	N/A	N/A	N/A	N/A
Jones Fork E-3 (U)	CONSOL of Kentucky Inc. (CONSOL Energy Inc.)	0.0	N/A	N/A	N/A	N/A
Van Lear Mine (U)	Revelation Energy, LLC	0.3	N/A	N/A	N/A	N/A



New Mexico						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
San Juan South (U)	San Juan Coal Company (BHP Billiton)	3.5	1.2	0%	N/A	0

Ohio						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Century (U)	American Energy Corporation (Murray Energy Corp.)	1.9	N/A	N/A	N/A	N/A
Powhatan No. 6 Mine (U)	Ohio Valley Coal Company (Murray Energy Corp.)	1.6	N/A	N/A	N/A	N/A

Pennsylvania						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Bailey Mine (U)	CONSOL Pennsylvania Coal Company (CONSOL Energy Inc.)	9.2	1.2	0%	N/A	0
Cumberland (U)	Cumberland Coal Resources LLP (Alpha Natural Resources)	8.6	5.1	33%	Natural gas pipeline injection	247,296
Eighty-Four Mine (U)	Eighty-Four Mining Company (CONSOL Energy Inc.)	0.0	N/A	N/A	N/A	N/A
Emerald (U)	Emerald Coal Resources LP (Alpha Natural Resources)	3.7	1.9	53%	Natural gas pipeline injection	150,144
Enlow Fork (U)	CONSOL Pennsylvania Coal Company (CONSOL Energy Inc.)	10.3	0.0	0%	N/A	0

⁽U) - Underground Mine

⁽A) – Abandoned Underground Mine

⁽S) – Surface Mine



Utah						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Dugout Canyon (U)	Canyon Fuel Co. LLC (Arch Coal)	0.8	0.0	0%	N/A	0
West Ridge Mine (U)	West Ridge Resources Inc. (Murray Energy Corp.)	5.1	2.3	0%	N/A	0

Virginia						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Buchanan Mine (U)	Consolidation Coal Company (CONSOL Energy Inc.)	8.0	62.7	100%	Natural gas pipeline injection, coal drying, 88 MW peaking power plant	9,224,795
Deep Mine #26 (U)	Paramount Coal Company Virginia LLC (Alpha Natural Resources LLC)	2.1	N/A	N/A	N/A	N/A
Tiller No. 1 (U)	Knox Creek Coal Corp. (Alpha Natural Resources, Inc.)	0.7	N/A	N/A	N/A	N/A

West Virginia						
Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
American Eagle Mine (U)	Speed Mining Inc. (Patriot Coal Corp.)	3.5	N/A	N/A	N/A	N/A
Beckley Crystal (U)	Baylor Mining Inc.	0.0	N/A	N/A	N/A	N/A
Beckley Pocahontas Mine (U)	ICG Beckley, LLC	3.1	0.0	0%	N/A	0
Blacksville No. 2 (U)	Consolidation Coal Company (Murray Energy Corp.)	6.0	1.1	100%	Natural gas pipeline injection	168,486

⁽U) – Underground Mine

⁽A) – Abandoned Underground Mine

⁽S) – Surface Mine



West Virginia (Continued)

Mine Name	Company	VAM Emissions ¹	Drained Gas ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Cucumber Mine (U)	Brooks Run Mining Company LLC (Alpha Natural Resources, Inc.)	1.0	N/A	N/A	N/A	N/A
Eagle Mine (U)	Newtown Energy Inc.	0.7	N/A	N/A	N/A	N/A
Federal No. 2 (U)	Eastern Associated Coal LLC (Patriot Coal Corp.)	6.8	0.0	0%	N/A	0
Justice #1 (U)	Independence Coal Company Inc. (Massey Energy Company)	0.7	N/A	N/A	N/A	N/A
Loveridge No. 22 (U)	Consolidation Coal Company (Murray Energy Corp.)	9.1	0.9	100%	Natural gas pipeline injection	126,364
McElroy Mine (U)	McElroy Coal Company (Murray Energy Corp.)	13.2	0.5	15%	Natural gas pipeline injection / VAM Oxidation	31,932
Mountaineer II Mine (U)	Mingo Logan Coal Company (Arch Coal Inc.)	4.6	N/A	N/A	N/A	N/A
Pinnacle (U)	Pinnacle Mining Company LLC (Cleveland-Cliffs Inc.)	6.0	1.5	0%	N/A	0
Robinson Run No. 95 (U)	Consolidation Coal Company (Murray Energy Corp.)	7.0	1.3	0%	N/A	N/A
Road Fork #51 Mine (U)	Spartan Mining Company (Alpha Natural Resources, Inc.)	0.4	0	0%	N/A	0
Sentinel Mine (U)	Wolf Run Mining Company (Arch Coal Inc)	3.7	N/A	N/A	N/A	N/A
Shoemaker (U)	Consolidation Coal Company (Murray Energy Corp.)	2.8	N/A	N/A	N/A	N/A

⁽A) – Abandoned Underground Mine

⁽S) – Surface Mine



Abandoned Coal Mines

Alabama				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Blue Creek No 5 Mine (A)	Jim Walter Resources Inc.	0.520	Gas recovery project	76,946

Colorado				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Dutch Creek No. 1 (A)	Mid-Continent Resources, Inc.	0.450	Sealed	N/A
Dutch Creek No. 2 (A)	Mid-Continent Resources, Inc.	0.370	Sealed	N/A
Golden Eagle (A)	Basin Resources Inc.	0.750	Gas recovery project	110,264
Sanborn Creek (A)	Oxbow Minerals	0.660	Sealed	N/A

Illinois				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Old Ben No 21 (A)	Old Ben Coal Co.	0.140	Gas recovery project	20,022
Old Ben No 24 (A)	Old Ben Coal Co.	0.120	Gas recovery project	18,244
Old Ben No 25 (A)	Old Ben Coal Co.	0.100	Gas recovery project	14,560
Old Ben No 26 (A)	Old Ben Coal Co.	0.170	Gas recovery project	24,325
Orient #3 (A)	Freeman United Coal Mining Co.	0.120	Gas recovery project	17,739
Orient No 6 (A)	Freeman United Coal Mining Co.	0.100	Gas recovery project	14,726
Patikki Mine (A)	White County Coal	0.230	Sealed	N/A
Wabash Mine (A)	Wabash Mine Holding Company	0.330	Sealed	N/A

⁽A) - Abandoned Underground Mine

⁽S) – Surface Mine



Indiana				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Kings (A)	Kings Station	0.020	Gas recovery project	2,643

Kentucky				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Mine #1 (A)	Freedom Energy Mining Company (Alpha Natural Resources, Inc.)	0.360	Unknown	N/A
No. 3 Mine (A)	Excel Mining LLC (Alliance Resource Partners LP)	0.120	Unknown	N/A

Ohio				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Nelms #1 (A)	Harrison Mining Corp.	0.110	Gas recovery project	16,051

Oklahoma				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
South Central Mine (A)	South Central Coal Company Inc.	0.290	Unknown	N/A



Pennsylvania				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Bethlehem No 32 (A)	BethEnergy	0.360	Sealed	N/A
Cambria Slope No. 33 (A)	BethEnergy	1.280	Gas recovery project	188,206
Gateway Mine (A)	Gateway Coal Company	0.220	Gas recovery project	31,906

Utah				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Aberdeen (A)	Andalex Resources Inc.	0.460	Gas recovery project	67,356
Soldier Canyon (A)	Arch Coal	0.370	Sealed	N/A
Willow Creek (A)	RAG	0.240	Sealed	N/A

Virginia				
Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Amonate No. 31 (A)	Consolidated Coal Co.	0.260	Unknown	N/A
Beatrice (A)	Consolidated Coal Co.	0.670	Sealed	N/A
D-R-1 (A)	Dickenson-Russell Coal Co., LLC	0.400	Unknown	N/A
No. 2 (A)	Black Dog Coal Company (Alpha Natural Resources LLC)	0.210	Unknown	N/A
Virginia Pocahontas No 1 (A)	Consolidated Coal Co.	0.930	Gas recovery project	137,450
Virginia Pocahontas No 2 (A)	Island Creek Coal Co.	0.560	Gas recovery project	83,100
Virginia Pocahontas No 3 (A)	Consolidated Coal Co.	0.950	Gas recovery project	140,522
Virginia Pocahontas No 4 (A)	Island Creek Coal Company	0.150	Gas recovery project	22,200
Virginia Pocahontas No 6 (A)	Consolidated Coal Co.	0.900	Gas recovery project	132,588
Virginia Pocahontas No 8 (A)	Island Creek Coal Company	5.910	Gas recovery project	869,424

⁽U) - Underground Mine

⁽A) – Abandoned Underground Mine

⁽S) – Surface Mine



West Virginia

Mine Name	Company	Gas Production/Potential ¹	Mine Status	GHG Emissions Avoided ²
Arkwright No 1 (A)	Consolidation Coal Co.	0.680	Gas recovery project	99,755
Blacksville No 1 (A)	Consolidated Coal Co.	0.440	Gas recovery project	64,411
Bonny (A)	Beckley Lick Run	0.300	Sealed	N/A
Consol No 9 (A)	Consol	0.270	Gas recovery project	39,706
Consol No. 20 (A)	Consolidation Coal Co.	0.070	Gas recovery project	10,121
Ireland (A)	Consolidated Coal Co.	0.140	Gas recovery project	20,521
Maple Meadow (A)	Penn Virginia	0.310	Sealed	N/A
Osage No. 3 (A)	Consolidation Coal Co.	0.610	Gas recovery project	89,785
Valley Camp 3 (A)	Valley Camp	0.080	Gas recovery project	11,445
Whitetail Kittanning Mine (A)	Kingwood Mining Company LLC	0.060	Unknown	N/A
Windsor Mine (A)	Windsor Coal Company	0.060	Gas recovery project	9,459



Surface Coal Mines

Montana					
Mine Name	Company	Gas Potential ¹	Drained Gas Utilized	End Use	GHG Emissions Avoided ²
Rosebud (S)	Western Energy Company (Westmoreland Coal Company)	0.7	N/A	N/A	N/A

Wyoming						
Mine Name	Company	Gas Potential ¹	Drained Gas Utilized	End l	Jse	GHG Emissions Avoided ²
Antelope (S)	Antelope Coal LLC (Cloud Peak Energy Resources LLC)	2.8	N/A	N/	Ą	N/A
Belle Ayr (S)	Alpha Coal West Incorporated (Alpha Natural Resources LLC)	2.0	N/A	N/	A	N/A
Black Thunder (S)	Thunder Basin Coal Company LLC (Arc Coal Inc.)	7.7	N/A	N/	Д	N/A
Buckskin (S)	Kiewit Mining Group (Kiewit Peter Sons' Incorporated)	1.5	N/A	N/	A	N/A
Caballo (S)	Peabody Caballo Minding, LLC (Peabody Energy)	1.4	N/A	N/	A	N/A
Cordero Mine (S)	Cordero Mining LLC (Cloud Peack Energy Resources LLC)	3.2	N/A	N/	A	N/A
Eagle Butte (S)	Alpha Coal West, Inc. (Alpha Natural Resources, Inc.)	1.8	N/A	N/	A	N/A
North Antelope Rochelle (S)	Peabody Energy	8.8	N/A	N/	A	N/A