



| Alabama              |  |                               |                |                                      |  |                                       |
|----------------------|--|-------------------------------|----------------|--------------------------------------|--|---------------------------------------|
| Mine Name            | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use  | GHG Emissions<br>Avoided <sup>2</sup> |
| Blue Creek No. 4 (U) | Jim Walter Resources, Inc.<br>(Walter Industries Inc.) | 12.2                          | 19.1           | 100%                                 | Natural gas<br>pipeline<br>injection               | 2,820,561                             |
| Blue Creek No. 7 (U) | Jim Walter Resources, Inc.<br>(Walter Industries Inc.) | 29.0                          | 11.0           | 100%                                 | Natural gas<br>pipeline<br>injection               | 1,629,510                             |
| North River Mine (U) | Chevron Mining Inc.<br>(Chevron Corporation)           | 3.1                           | N/A            | N/A                                  | N/A  | N/A                                   |
| Oak Grove Mine (U)   | Oak Grove Resources LLC<br>(Cleveland-Cliffs LLC)      | 7.5                           | 5.6            | 73%                                  | Natural gas<br>pipeline<br>injection               | 599,542                               |
| Shoal Creek (U)      | Drummond Company Inc.                                  | 7.6                           | 2.7            | 100%                                 | Previously<br>natural gas<br>pipeline<br>injection | 391,547                               |



| Colorado                   |  |                               |                |                                      |                     |                                       |
|----------------------------|--|-------------------------------|----------------|--------------------------------------|---------------------|---------------------------------------|
| Mine Name                  | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use             | GHG Emissions<br>Avoided <sup>2</sup> |
| Bowie No. 2 (U)            | Bowie Resources LLC<br>(Union Pacific)                 | 8.4                           | 5.6            | 0%                                   | N/A                 | 0                                     |
| Elk Creek Mine (U)         | Oxbow Mining LLC<br>(Oxbow Carbon &<br>Materials Inc.) | 5.8                           | 5.8            | 0%                                   | N/A                 | 0                                     |
| McClane Canyon<br>Mine (U) | McClane Canyon<br>Mining LLC<br>(Wexford Capital LLC)  | N/A                           | N/A            | N/A                                  | N/A                 | N/A                                   |
| West Elk Mine (U)          | Mountain Coal Co.<br>(Arch Coal Inc.)                  | 5.0                           | 1.7            | 28%                                  | Mine air<br>heating | 68,727                                |

| Illinois               |  |                               |                |                                      |         |                                       |
|------------------------|--|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name              | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| Galatia (U)            | The American<br>Coal Company<br>(Murray Energy Corp.)        | 8.2                           | N/A            | N/A                                  | N/A     | N/A                                   |
| Pattiki (U)            | White County Coal LLC<br>(Alliance Resource<br>Partners LLC) | 2.2                           | N/A            | N/A                                  | N/A     | N/A                                   |
| Willow Lake Portal (U) | Bay Ridge Inc.<br>(Peabody Energy Corp.)                     | 2.4                           | N/A            | N/A                                  | N/A     | N/A                                   |

| Indiana    |  |                               |                |                                      |         |                                       |
|------------|--|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name  | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| Gibson (U) | Gibson County Coal LLC<br>(Alliance Resource<br>Partners LP) | 4.6                           | N/A            | N/A                                  | N/A     | N/A                                   |



| Kentucky           |  |                               |                |                                      |         |                                       |
|--------------------|--|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name          | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| Dotiki (U)         | Webster Country Coal LLC<br>(Alliance Resource<br>Partners LP) | 1.8                           | N/A            | N/A                                  | N/A     | N/A                                   |
| E3-1 (U)           | Perry County Coal Corp.<br>(Teco Coal Co.)                     | 2.2                           | N/A            | N/A                                  | N/A     | N/A                                   |
| Elk Creek Mine (U) | Hopkins County Coal LLC<br>(Alliance Resource<br>Partners LP)  | 1.7                           | N/A            | N/A                                  | N/A     | N/A                                   |
| Jones Fork E3 (U)  | CONSOL of Kentucky Inc.<br>(CONSOL Energy Inc.)                | 0.9                           | N/A            | N/A                                  | N/A     | N/A                                   |
| Mine No. 2 (U)     | Excel Mining LLC<br>(Alliance Resource<br>Partners LP)         | 0.5                           | N/A            | N/A                                  | N/A     | N/A                                   |
| No. 3 Mine (U)     | Excel Mining LLC<br>(Alliance Resource Partners LP)            | 2.0                           | N/A            | N/A                                  | N/A     | N/A                                   |

| Montana     |  |                               |                |                                      |         |                                       |
|-------------|--|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name   | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| Rosebud (S) | Western Energy Company<br>(Westmoreland Coal<br>Company) | N/A                           | N/A            | N/A                                  | N/A     | N/A                                   |

| New Mexico         |   |                               |                |                                      |         |                                       |
|--------------------|---|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name          | Company                                 | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| San Juan South (U) | San Juan Coal Company<br>(BHP Billiton) | 5.5                           | 3.7            | 0%                                   | N/A     | 0                                     |



| Ohio                    |  |                               |                |                                      |         |                                       |
|-------------------------|--|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name               | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| Century (U)             | American Energy<br>Corporation<br>(Murray Energy Corp) | 3.9                           | N/A            | N/A                                  | N/A     | N/A                                   |
| Powhatan No. 6 Mine (U) | Ohio Valley<br>Coal Company<br>(Murray Energy Corp.)   | 2.3                           | N/A            | N/A                                  | N/A     | N/A                                   |

| Oklahoma               |                                    |                               |                |                                      |         |                                       |
|------------------------|------------------------------------|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name              | Company                            | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| South Central Mine (U) | South Central Coal<br>Company Inc. | 1.4                           | N/A            | 0                                    |         | 0                                     |

| Pennsylvania         |   |                               |                |                          |                                      |                                       |
|----------------------|---|-------------------------------|----------------|--------------------------|--------------------------------------|---------------------------------------|
| Mine Name            | Company   | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized¹ | End Use                              | GHG Emissions<br>Avoided <sup>2</sup> |
| Balley Mine (U)      | CONSOL Pennsylvania<br>Coal Company<br>(CONSOL Energy Inc.)   | 10.5                          | 1.8            | 0%                       | N/A                                  | 0                                     |
| Cumberland (U)       | Cumberland Coal<br>Resources LLP<br>(Alpha Natural Resources) | 13.0                          | 4.0            | 92%                      | Natural gas<br>pipeline<br>injection | 539,809                               |
| Eighty-Four Mine (U) | Eighty-Four<br>Mining Company<br>(CONSOL Energy Inc.)         | 4.1                           | N/A            | N/A                      | N/A                                  | N/A                                   |
| Emerald (U)          | Emerald Coal<br>Resources LP<br>(Alpha Natural Resources)     | 6.6                           | 2.2            | 91%                      | Natural gas<br>pipeline<br>injection | 301,289                               |
| Enlow Fork (U)       | CONSOL Pennsylvania<br>Coal Company<br>(CONSOL Energy Inc. )  | 14.3                          | 0              | 0%                       | VAM<br>oxidation                     | 0                                     |



| Utah                |  |                               |                |                                      |         |                                       |
|---------------------|--|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name           | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| Dugout Canyon (U)   | Canyon Fuel Co. LLC<br>(Arch Coal)                 | 4.3                           | 1.4            | 0%                                   | N/A     | 0                                     |
| West Ridge Mine (U) | West Ridge Resources Inc.<br>(Murray Energy Corp.) | 4.8                           | 1.6            | 0%                                   | N/A     | 0                                     |

| Virginia          |   |                               |                |                                      |  |                                       |
|-------------------|---|-------------------------------|----------------|--------------------------------------|--|---------------------------------------|
| Mine Name         | Company   | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use  | GHG Emissions<br>Avoided <sup>2</sup> |
| Buchanan Mine (U) | Consolidation Coal<br>Company<br>(CONSOL Energy Inc.)               | 6.2                           | 60.8           | 100%                                 | Natural gas<br>pipeline<br>injection,<br>coal drying,<br>88 MW<br>peaking<br>power plant | 8,967,441                             |
| Deep Mine #26 (U) | Paramount Coal<br>Company Virginia LLC<br>(Alpha Natural Resources) | 3.9                           | N/A            | N/A                                  | N/A  | N/A                                   |
| No. 2 (U)         | Black Dog Coal Company<br>(Alpha Natural<br>Resources LLC)          | 1.7                           | N/A            | N/A                                  | N/A  | N/A                                   |

| West Virginia           |   |                               |                |                                      |         |                                       |
|-------------------------|---|-------------------------------|----------------|--------------------------------------|---------|---------------------------------------|
| Mine Name               | Company                                   | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use | GHG Emissions<br>Avoided <sup>2</sup> |
| American Eagle Mine (U) | Speed Mining Inc.<br>(Patriot Coal Corp.) | 3.0                           | N/A            | N/A                                  | N/A     | N/A                                   |
| Bekley Crystal (U)      | Baylor Mining Inc.                        | 2.2                           | N/A            | N/A                                  | N/A     | N/A                                   |



| West Virginia                  |  |                               |                |                                      |                                      |                                       |
|--------------------------------|--|-------------------------------|----------------|--------------------------------------|--------------------------------------|---------------------------------------|
| Mine Name                      | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use                              | GHG Emissions<br>Avoided <sup>2</sup> |
| Beckley<br>Pocahontas Mine (U) | ICG Beckley, LLC   | 4.0                           | 0              | 0%                                   | N/A                                  | 0                                     |
| Blacksville No. 2 (U)          | Consolidation Coal<br>Company<br>(CONSOL Energy Inc.)        | 9.5                           |                | 100%                                 | Natural gas<br>pipeline<br>injection | 244,653                               |
| Eagle Mine (U)                 | Newtown Energy Inc.  | 1.4                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Federal No. 2 (U)              | Eastern Associated<br>Coal LLC<br>(Patriot Coal Corp.)       | 5.9                           | 1.0            | 46%                                  | Natural gas<br>pipeline<br>injection | 70,991                                |
| Justice #1 (U)                 | Independence Coal<br>Company Inc.<br>(Massey Energy Company) | 2.0                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Loveridge No. 22 (U)           | Consolidation Coal<br>Company<br>(CONSOL Energy Inc.)        | 10.6                          | 1.2            | 100%                                 | Natural gas<br>pipeline<br>injection | 183,489                               |
| McElroy Mine (U)               | McElroy Coal Company<br>(CONSOL Energy Inc.)                 | 12.6                          | 2.2            | 5%                                   | Natural gas<br>pipeline<br>injection | 16,575                                |
| Pinnacle (U)                   | Pinnacle Mining<br>Company LLC<br>(Cleveland-Cliffs Inc.)    | 5.8                           | 5.7            | 82%                                  | Natural gas<br>pipeline<br>injection | 688,079                               |
| Robinson Run<br>No. 95 (U)     | Consolidation Coal<br>Company<br>(CONSOL Energy Inc.)        | 7.3                           | 0              | 0%                                   | N/A                                  | 0                                     |
| Shoemaker (U)                  | Consolidation Coal<br>Company<br>(CONSOL Energy Inc.)        | 2.8                           | N/A            | N/A                                  | N/A                                  | N/A                                   |



| Wyoming                        |  |                               |                |                                      |                                      |                                       |
|--------------------------------|--|-------------------------------|----------------|--------------------------------------|--------------------------------------|---------------------------------------|
| Mine Name                      | Company  | VAM<br>Emissions <sup>1</sup> | Drained<br>Gas | Drained Gas<br>Utilized <sup>1</sup> | End Use                              | GHG Emissions<br>Avoided <sup>2</sup> |
| Antelope (S)                   | Kennecott Energy<br>(Rio Tinto Energy America)                           | N/A                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Belle Ayr (S)                  | Foundation Coal West<br>Incorporated<br>(Alpha Natural<br>Resources LLC) | N/A                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Black Thunder (S)              | Thunder Basin Coal<br>Company LLC<br>(Arc Coal Inc.)                     | N/A                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Buckskin (S)                   | Kiewit Mining Group<br>(Kiewit Peter Sons'<br>Incorporated)              | N/A                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Caballo (S)                    | Caballo Coal Company<br>(Peabody Energy)                                 | N/A                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Cordero Rojo<br>Complex (S)    | Kennecott Energy<br>(Rio Tinto Energy America)                           | N/A                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| Eagle Butte (S)                | Foundation Coal<br>West Incorporated<br>(Alpha Natural<br>Resources LLC) | N/A                           | N/A            | N/A                                  | N/A                                  | N/A                                   |
| North Antelope<br>Rochelle (S) | Peabody Energy   | N/A                           | 6.9            | 100%                                 | Natural gas<br>pipeline<br>injection | 1,018,021                             |