



Report on Abandoned Mine Land Reclamation Economic Development Pilot Program (AML Pilot Program) for FY 2016 - FY 2019

*Prepared by the Office of Surface Mining
Reclamation and Enforcement (OSMRE)*

Estimated Total Cost to Develop and Produce this Report - \$21,000

I. Introduction and Background

As of November 30, 2019, the Abandoned Mine Land Reclamation Economic Development Pilot Program (AML Pilot) has been authorized by Congress for four fiscal years (FY 2016, FY 2017, FY 2018, and FY 2019) with the purpose of reclamation of abandoned mine lands in conjunction with economic and community development and reuse goals. The Office of Surface Mining Reclamation and Enforcement (OSMRE) administers the AML Pilot program and provides eligible states and tribes with AML Pilot Grants and guidance¹ on project eligibility criteria and reporting requirements.

The AML Pilot Program for FY 2016 was enacted by the Consolidated Appropriations Act, 2016 (Public Law 114-113) on December 18, 2015. It provided \$90 million of US Treasury Funds (\$30 million each) to the three Appalachian state AML Programs (Kentucky, Pennsylvania and West Virginia) (*Figure 1*) which have the highest amount of unfunded coal-related problems that are classified as Priority 1 and Priority 2 abandoned mine lands sites and inventoried in the Enhanced Abandoned Mine Land Inventory System (e-AMLIS). For FY 2016, OSMRE reviewed 37 Pilot project applications submitted by states and determined that 2 do not meet the AML Pilot eligibility criteria. As of November 30, 2019, OSMRE had issued preliminary approval² to 35 projects confirming their eligibility to receive FY 2016 AML Pilot funds (Kentucky – 10 projects, Pennsylvania – 17 projects, and West Virginia – 8 projects) (*Figure 2*). Subsequently, five of these preliminarily approved projects were tabled by the state. As of the same date, the status of the remaining 30 preliminarily approved projects was as follows: 1 project with OSMRE’s preliminary approval, 1 project with OSMRE’s authorization to proceed (ATP) allowing them to begin construction and other field activities, 19 projects had commenced work on-site, and 9 projects had been completed (*Figure 4*).

The FY 2017 AML Pilot was enacted on May 5, 2017, under the Consolidated Appropriations Act, 2017 (Public Law 115-31). It provided \$105 million of US Treasury Funds to the six Appalachian states with the highest amount of unfunded coal-related problems. The three states with the highest amount of unfunded coal-related problems each received \$25 million (Kentucky, Pennsylvania and West Virginia) and the three Appalachian states with the subsequent highest amount of unfunded coal-related problems each received \$10 million (Alabama, Ohio, and Virginia) (*Figure 1*). For FY 2017, OSMRE received 56 Pilot project applications, 2 of which did not meet the AML Pilot eligibility criteria. As of November 30, 2019, OSMRE has issued preliminary approval to 54 projects confirming their eligibility to receive FY 2017 AML Pilot funds (Kentucky – 12 projects, Pennsylvania – 13 projects, West Virginia – 11 projects, Alabama – 3 projects, Ohio – 10 projects, and Virginia – 5 projects) (*Figure 2*). Subsequently, six of these preliminarily approved projects were tabled by the state. As of the same date, the status of the remaining 48 preliminarily approved projects was as follows: 8 projects with OSMRE’s preliminary approval, 18 projects with OSMRE’s ATP, 21 projects had commenced work on-site, and 1 project had been completed (*Figure 5*).

¹ [Guidance for Project Eligibility Under the Abandoned Mine Land Reclamation Economic Development Pilot Program](#). (AML Pilot Guidance Document)

² Preliminary approval from OSMRE confirms that a project is eligible to receive AML Pilot funds based on the criteria described in the AML Pilot Guidance Document.

The FY 2018 AML Pilot was enacted on March 23, 2018, under the Consolidated Appropriations Act, 2018 (Public Law 115-141). It provided \$115 million of US Treasury Funds to the six Appalachian states with the highest amount of unfunded coal-related problems and three tribes with AML Programs. The three Appalachian states with the highest amount of unfunded coal-related problems each received \$25 million (Kentucky, Pennsylvania and West Virginia). The three Appalachian states with the subsequent highest amount of unfunded coal-related problems each received \$10 million (Alabama, Ohio, and Virginia). The three tribes with AML Programs each received \$3.33 million (Crow Tribe Hopi Tribe, and Navajo Nation) (*Figure 1*). For FY 2018, OSMRE received 57 projects, 1 of which did not meet the AML Pilot eligibility criteria. As of November 30, 2019, OSMRE was reviewing 12 projects (6 of which are included in this report) and had issued preliminary approval to 44 projects confirming their eligibility to receive FY 2018 AML Pilot funds (Kentucky – 5 projects, Pennsylvania – 16 projects, West Virginia – 11 projects, Ohio – 4 projects, Virginia – 7 projects, and Navajo Nation – 1 project) (*Figure 2*). Subsequently, two of these preliminarily approved projects were tabled by the state. As of the same date, the status of the remaining 42 preliminarily approved projects was as follows: 32 projects with OSMRE’s preliminary approval, 8 projects with OSMRE’s ATP, and 2 projects had commenced work on-site (*Figure 6*).

The FY 2019 AML Pilot was enacted on February 15, 2019, under the Consolidated Appropriations Act, 2019 (Public Law 116-6). It provided \$115 million of US Treasury Funds to the six Appalachian states with the highest amount of unfunded coal-related problems and three tribes with AML Programs. The three Appalachian states with the highest amount of unfunded coal-related problems each received \$25 million (Kentucky, Pennsylvania and West Virginia). The three Appalachian states with the subsequent highest amount of unfunded coal-related problems each received \$10 million (Alabama, Ohio, and Virginia). The three tribes with AML Programs each received \$3.33 million (Crow Tribe Hopi Tribe, and Navajo Nation) (*Figure 1*). For FY 2019, OSMRE received 3 projects. As of November 30, 2019, OSMRE was reviewing two projects (not included in this report) and has issued preliminary approval to one project from the Navajo Nation to use FY 2019 AML Pilot funds (*Figure 7*).

This report describes the process (*Figure 3*) and implementation actions (*Sections 3, 4, 5, and 6*) for the AML Pilot Program as of November 30, 2019.

Figure 1: Appropriated AML Pilot Funding (Millions of Dollars)

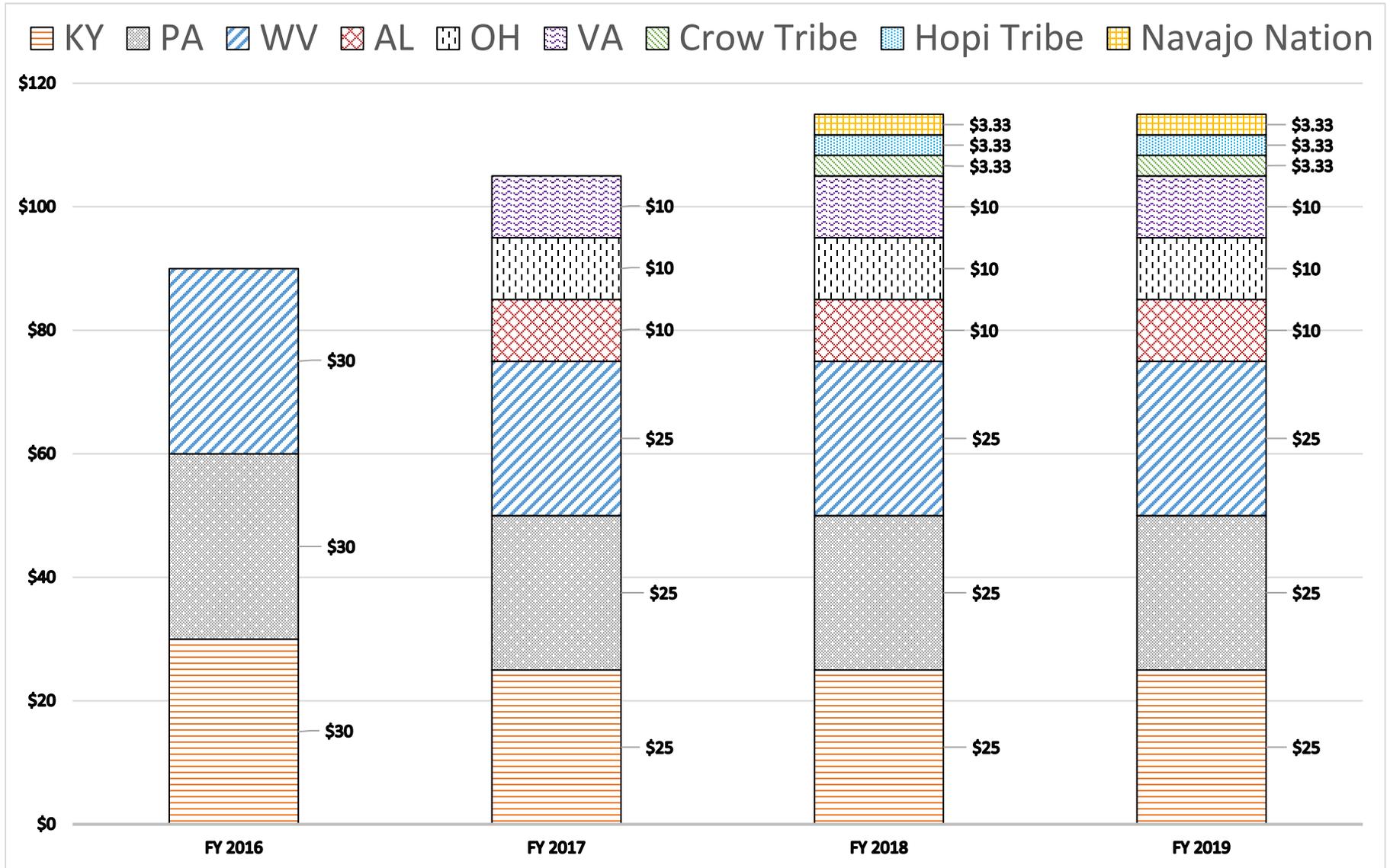


Figure 2: AML Pilot Projects with OSMRE Preliminary Approval

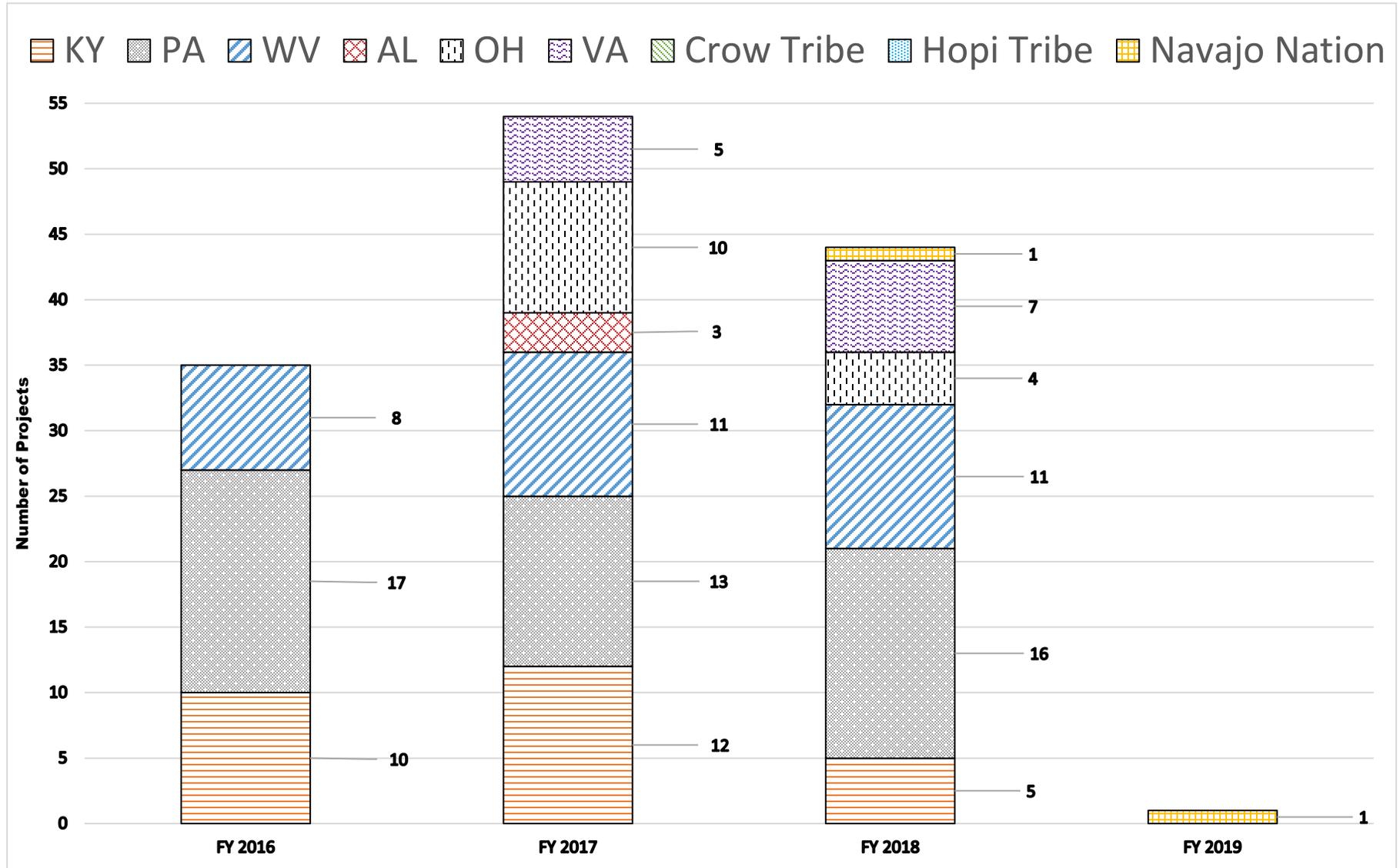
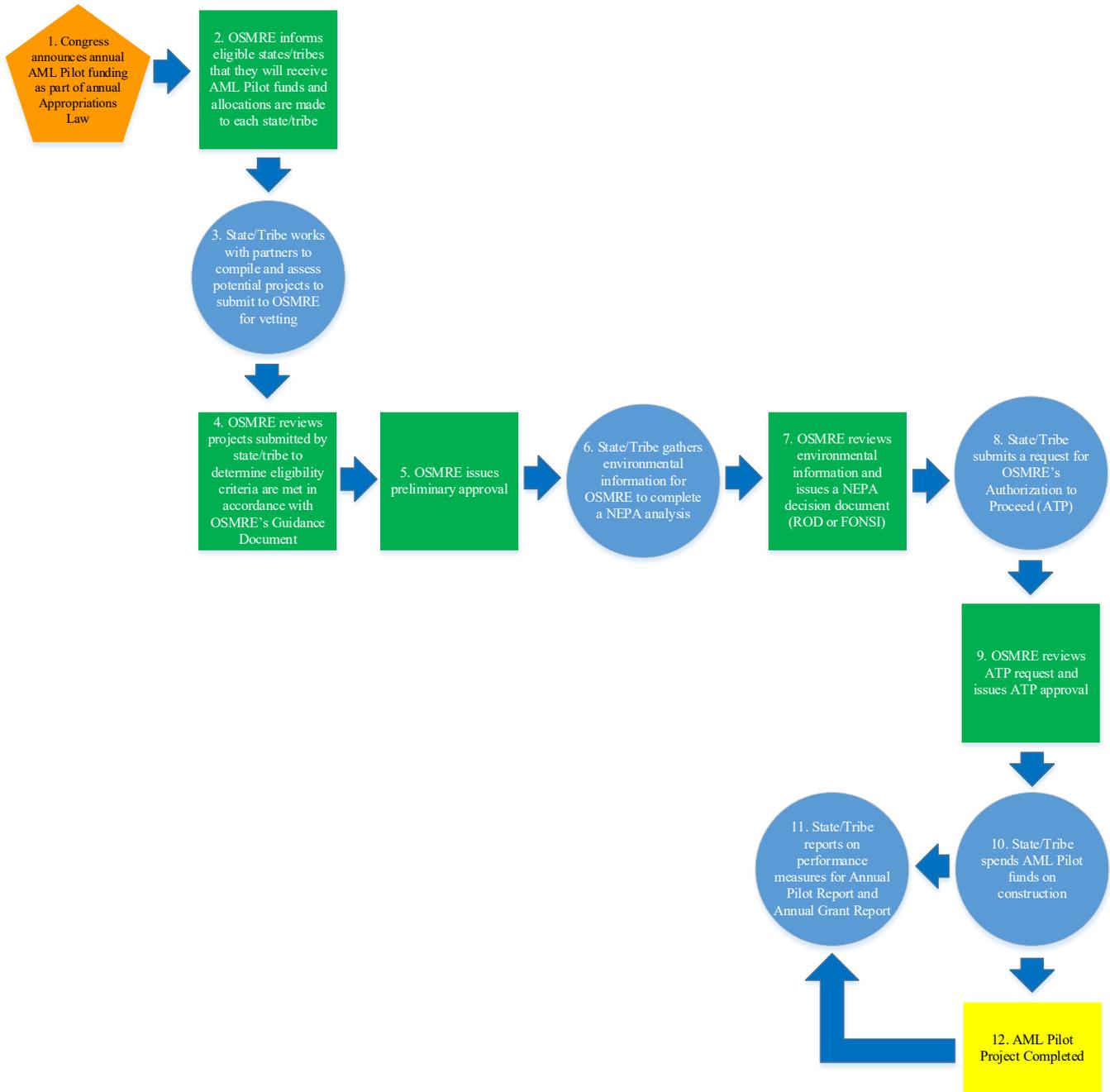


Figure 3: AML Reclamation Economic Development Pilot Process



II. Current Status of Projects by Fiscal Year and State and Tribe

As of November 30, 2019, OSMRE reviewed and issued preliminary approval (based on eligibility criteria) to 134 AML Pilot project applications submitted by the state/tribal AML Programs (35 projects for FY 2016, 54 for FY 2017, 44 for FY 2018, and 1 for FY 2019). AML Pilot project applications are reviewed on a rolling-basis to efficiently provide feedback to each state and tribe. OSMRE has confirmed that 121 of the 134 reviewed projects are currently active and are moving forward in their use of AML Pilot funds. The 13 remaining projects have been tabled by the state or project applicant for various reasons (e.g. to secure additional funds, pending negotiations with partners, or withdrawn application). Funds projected for each Pilot project are subject to change based on the needs of the project and the program.

Outlined below are 6 projects (1 in Kentucky and 5 in Alabama) under OSMRE review requesting FY 2018 Pilot funds and 134 projects preliminarily approved for AML Pilot funds which include: 27 in Kentucky (10 in FY 2016, 12 in FY 2017, and 5 in FY 2018), 46 in Pennsylvania (17 in FY 2016, 13 in FY 2017, and 16 in FY 2018), 30 in West Virginia (8 in FY 2016, 11 in FY 2017, and 11 in FY 2018), 3 in Alabama (for FY 2017), 14 in Ohio (10 in FY 2017 and 4 in FY 2018), 12 in Virginia (5 in FY 2017 and 7 in FY 2018) and 2 in the Navajo Nation (1 in FY 2018 and 1 in FY 2019). Based on the projected amounts for AML Pilot funding for these selected project proposals, all six state and three tribal AML programs are at or near their grant threshold for each AML Pilot grant.

Once an AML Pilot project has received OSMRE's preliminary approval, project proponents may continue working with their state, tribal, and local development authorities to secure other private and public funding, finalize design and planning approvals/permits, resolve land acquisitions (if applicable), and address access issues. Before utilizing AML Pilot funds, project proponents work with the state/tribal AML programs to prepare and submit a scope of work to OSMRE that includes: site-specific details, project timelines, and completed environmental documents [such as those needed to support compliance with the National Environmental Policy Act (NEPA)]. Once this informational package is submitted to OSMRE, the Bureau will review and grant final ATP approval based on the site-specific information and compliance with the [OSMRE NEPA Handbook](#). The ATP allows each state/tribal AML program to make subawards and contracts for the expenditure of AML Pilot funds. As of November 30, 2019, the status of the 121 active preliminarily approved projects was as follows: 42 projects with OSMRE's preliminary approval, 27 projects with OSMRE's ATP, 42 projects had commenced work on-site, and 10 projects had been completed.

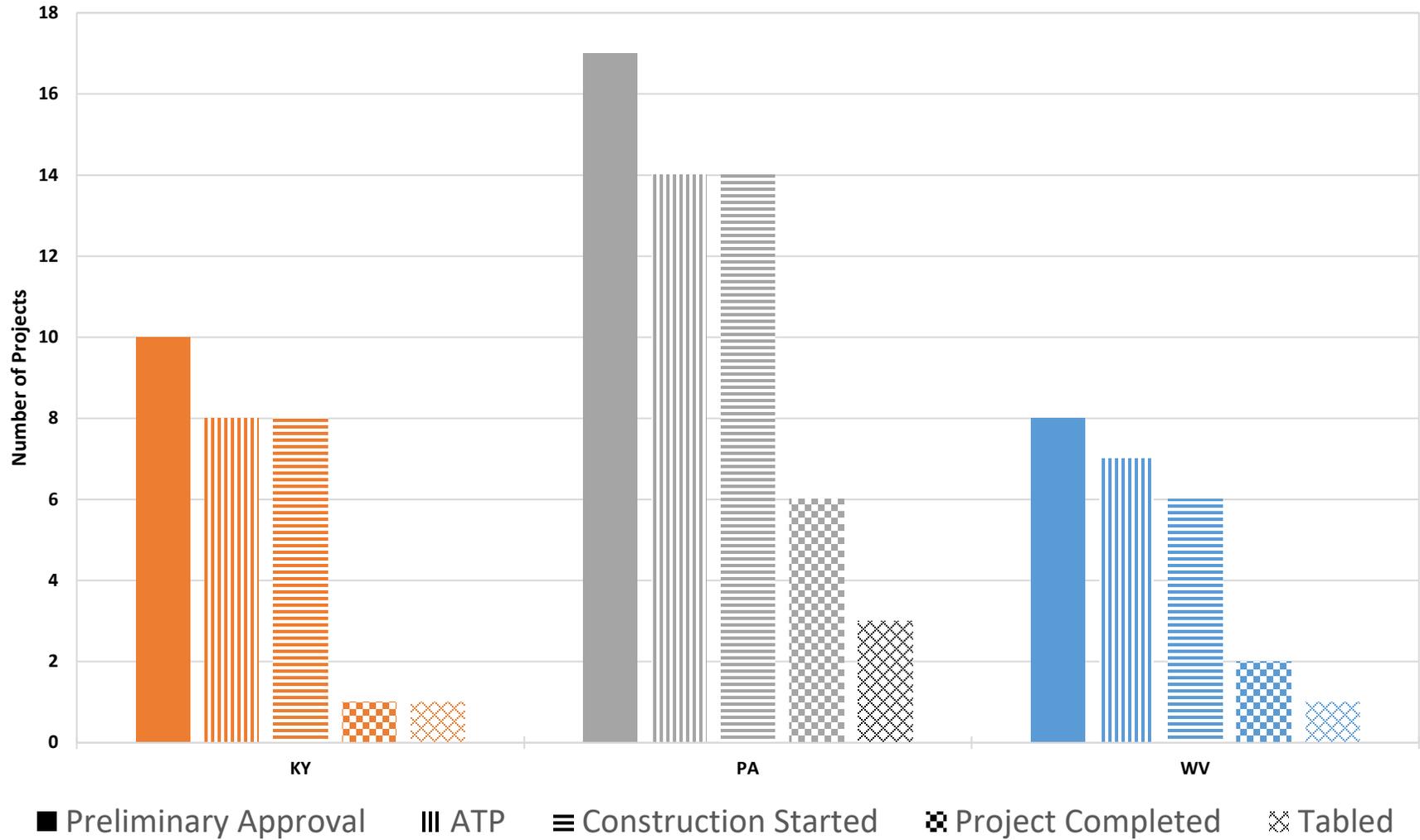
III. Implementation of the FY 2016 AML Pilot Program

OSMRE facilitated a meeting on February 24, 2016, in West Virginia with state AML Program staff from Kentucky, Pennsylvania and West Virginia to obtain input on the implementation on the AML Pilot Program. A second meeting was held on March 16, 2016, in Lexington, Kentucky to solicit input from additional stakeholders on the AML Pilot. OSMRE also participated in workshops with economic development organizations convened by the Appalachian Regional Commission (ARC) in the three states to provide information about the AML Pilot Program and to encourage state and local economic developers to identify opportunities to align and leverage their efforts with AML reclamation projects.

OSMRE released the *FY 2016 AML Pilot Guidance Document* to stakeholders on May 2, 2016. That guidance document was developed by OSMRE to assist the states in their selections of projects. The guidance document outlined general criteria by which potential projects should be evaluated for eligibility and successful selection, as well as suggested means by which projects could meet the economic and community development nexus criteria.

Between June and September 2016, OSMRE awarded the FY 2016 AML Pilot grants (\$30 million to each Kentucky, Pennsylvania and West Virginia). On August 4, 2016, OSMRE celebrated the first AML Pilot project to break ground with an event at the Ehrenfeld Economic Development Project in Pennsylvania, which involved the cleanup of a coal refuse waste pile to provide 62 acres of developable land within the city limits of Ehrenfeld. Between November 30, 2018 and November 30, 2019, eight projects using FY 2016 Pilot funds were completed for a total of nine (*Figure 4*).

Figure 4: Status of FY 2016 AML Pilot Projects



FY 2016 Kentucky

As of November 30, 2019, Kentucky had submitted a total of 12 projects to use FY 2016 Pilot funds. Two of those projects did not meet the AML Pilot eligibility criteria and applicants were referred to other potential funding sources that better aligned with the project's objective. OSMRE issued preliminary approval for the other 10 projects, 1 of which was been tabled by Kentucky. The nine remaining projects are currently active and have been awarded a portion of the \$30 million from the FY 2016 AML Pilot grant for KY. If applicable, changes in active projects and revisions to pilot funding requests from the previous Pilot Report are marked as an "Update" for each project in the list below.

Located across nine counties in eastern Kentucky, the nine active FY 2016 AML Pilot projects include six outdoor recreation/conservation/education projects, one industrial improvement projects, and two professional development/training projects. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased tourism attracting over 600,000 visitors to the region; workforce training for over 225 students annually; opportunities for educational outreach activities to over 100,000 participants; over \$140 million in generated revenue; construction of over 45 miles of public trails; directly and indirectly create over 3,000 new jobs; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$2 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the Kentucky Energy and Environment Cabinet.

1. Appalachian Wildlife Center - Bell County
2. East Kentucky Advanced Manufacturing Institute (eKAMI) (Phase 1) - Johnson County
3. Hazard Community and Technical College (HCTC) Utility Training Program - Leslie County
4. Impact Outdoor Adventure (Phase 1) - Clay County
5. Marion Branch Industrial Park - Pike County
6. Portal 31 and Black Mountain High Point - Harlan County
7. Prestonsburg to David (Rails to Trails) - Floyd County
8. South Fork Elk View Water Line and Campground - Breathitt County
9. Royalton Trail Town Development - Magoffin County



Map of active projects in Kentucky receiving FY 2016 AML Pilot funds

Appalachian Wildlife Center

Status: Preliminary OSMRE approval (8/26/16) - OSMRE final approval ATP issued (5/1/18) - Construction started (5/30/18)

Location: Bell County, Kentucky

Requested AML Pilot Funding: \$12.5 million

Additional Funding: \$1.8 million awarded by ARC through the POWER 2016 Federal Funding Opportunity and \$8.2 million committed by other project partners

AML Site Info: Priority 3 unreclaimed and previously reclaimed

Project Partners: KY Department of Fish and Wildlife Resources, Bluegrass International Fund, Appalachian Regional Commission, Asher Land & Minerals Co., Monsanto, Jamieson Construction, and Cumberland Surety

The Appalachian Wildlife Center comprises 246 acres and is the most extensive project proposal in Kentucky approved for AML Pilot funding. Its centerpiece is the construction of a visitor center that features the largest elk restoration and viewing effort in the United States and is projected to bring \$124 million into the regional economy. The facility will include: a visitor center with a museum and theater, auto tour loop, trails over 19 square miles, and a wildlife and nature preserve on 12,000 acres of previously mined land. Scheduled to open in 2021, this project is expected to attract over 600,000 annual visitors, directly reach over 100,000 students in the region as part of its educational program, and spur future growth and diversification of the local economy. The Wildlife Center will directly employ 94 people at well-paying salaries and will result in the indirect creation of over 2,000 regional jobs.



Rendering of the future Appalachian Wildlife Center Building

East Kentucky Advanced Manufacturing Institute (eKAMI) (Phase 1)

Status: Preliminary OSMRE approval (9/14/16) - OSMRE final approval ATP issued (4/19/17) - Construction started (5/16/17)

Location: Johnson County, Kentucky

Requested AML Pilot Funding: \$2.5 million

AML Site Info: Priority 3 unreclaimed

Project Partners: Kentucky Cabinet for Economic Development, Shaping Our Appalachian Region, One East Kentucky, Eastern Kentucky Concentrated Employment Program, Lockheed Martin, and Vincennes University

Update: Class graduation rate is high with nearly 100% employment. Development of the parking lot is underway and is the final construction item to complete this project.

The East Kentucky Advanced Manufacturing Institute (eKAMI) is located adjacent to abandoned mine lands and operates and maintains a training center that provides a computer numeric controlled (CNC) training program in advanced manufacturing. The center will train up to 100 students annually to industry-recognized skill certification. The immediate beneficiaries include students (many former coal industry employees) and regional employers seeking qualified CNC machinists. The building was opened on February 20, 2018, but FY 2016 AML Pilots funds are still being utilized to develop the parking lot.



eKAMI building opened on February 20, 2018

Harlan Wood Products Project – Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval - Tabled by Kentucky

Location: Harlan County, Kentucky

Requested AML Pilot Funding: N/A – Originally requested \$2.5 million

Additional Funding: N/A

AML Site Info: Priority 3 previously reclaimed

Project Partners: Harlan Wood Products LLC

This project has been tabled by Kentucky but originally proposed to construct the infrastructure, road access, and water storage facilities for the new Harlan Wood Products production center that would produce wood pellets to be sold as biomass fuel. Approximately 75,000 tons of wood pellets would be produced annually at this facility for export to international markets. This project would directly employ 30-35 people and result in approximately 60 new indirect jobs. The project proposal requested \$2.5 million from the AML Pilot and would leverage an additional \$10.5 million from Harlan Wood Products, LLC.

Hazard Community and Technical College (HCTC) Utility Training Program³

Status: Preliminary OSMRE approval (11/17/16) - OSMRE final approval ATP issued (8/17/18) - Construction started (12/1/18)

Location: Leslie County, Kentucky

Requested AML Pilot Funding: \$1.15 million

AML Site Info: Priority 3 unreclaimed

Project Partners: Hazard Community & Tech College and Big Sandy Community & Tech College

³ Previously reported as “Lineman Training”

***Update:** Project name changed from “Lineman Training” to “HCTC Utility Training Program”. The second class for the program is underway. Students have completed the lineman and fiber optic training with CDL training beginning soon.*

This project will establish an electrical lineman training program through the Kentucky Community and Technical College System (KCTCS). Workers would be trained for use of fiber optics and splicing of dark fiber. The field lab for the training program is located adjacent to AML sites and it will be utilized for practical training experience. The project is expected to train 125 people (primarily displaced former coal miners) and generate \$15 million in wages over 5 years.

Impact Outdoor Adventure (Phase 1)

***Status:** Preliminary OSMRE approval (9/23/16) - OSMRE final approval ATP issued (12/8/17) - Construction started (5/14/18)*

***Location:** Clay County, Kentucky*

***Requested AML Pilot Funding:** \$500,000*

***Additional Funding:** \$5,000 from Walmart*

***AML Site Info:** Priority 3 unreclaimed and previously reclaimed*

***Project Partners:** Operation UNITE, Clay County Industrial Board*

***Update:** Additional funding reduced from \$9,100 to \$5,000. Economic metrics clarified between phase 1 and phase 2 of this project. Project is nearly completed with only minor work needed in 2020.*

Impact Outdoor Adventures (non-profit organization) proposes to create an Outdoor Adventure Park for mountain bikes adjoining 15 miles of existing trails. This phase of the project will create 8 - 10 permanent jobs, construct a bath house/check-in/store building, and build a gravel access road for RV stalls on a 47-acre tract donated by the Clay County Industrial Board. Additional preparations of groundwork funded as part of phase 1 will allow for the addition of the other metrics in phase 2 (construction of a small building, RV pads, utilities for water/electric/sewer, and roadwork). The completed project will increase the number of annual visitors to the area.

Marion Branch Industrial Park Project - Completed

***Status:** Preliminary OSMRE approval (9/2/16) - OSMRE final approval ATP issued (9/13/17) - Construction started (1/2/18)- Project Completed (4/17/19)*

***Location:** Pike County, Kentucky*

***Requested AML Pilot Funding:** \$5 million*

***Additional Funding:** \$43.5 million from national and regional investors*

***AML Site Info:** Priority 3 unreclaimed and previously reclaimed*

***Project Partners:** KY Transportation Cabinet, US Army Corps of Engineers, US Department of Commerce Economic Development Administration, US Housing and Urban Development Community Development Block Grant, ARC, USDA Rural Development Loan and Grant Program*

This project invested in digital technology infrastructure development near existing AML projects to further develop the Marion Branch Industrial Park. Work has been completed on a 50,000 sq. ft. industrial building, a broadband conduit, and foundation fill. Tens of millions of dollars have been committed from other sources and are currently being utilized on the ground. The infrastructure provided by the project will attract companies to the area, resulting in a stronger local economy and long-term stability of the community. Project developers expect to attract over 1,000 additional well-paying jobs to the area, and to stabilize the tax base of local communities.



Completed 50,000 Square Foot Industrial Building
Photo Credit: OSMRE

Portal 31 and Black Mountain High Point Project

Status: Preliminary OSMRE approval (9/27/18)

Location: Harlan County, Kentucky

Requested AML Pilot Funding: \$2.55 million

Additional Funding: \$650,000 from local/in-kind sources

AML Site Info: Priority 3 unreclaimed

Project Partners: Harlan County Fiscal Court (Harlan County tourism Commission), Meridzo Center, Inc., Penn Virginia Corporation

This project will provide needed upgrades to the Portal 31 Exhibition Mine, construct the Lynch Bathhouse and Administrative Building, and create a viewing area and parking lot on Black Mountain. The Portal 31 Mine will involve structural work and cleanup of the mine tunnel, upgrades to the current exhibits, and expansion to include new and additional tours. The adjacent Lynch Bathhouse and Administrative building will house facilities for visitors and four new businesses. Lastly, a parking lot, trail, and 40-foot observation deck will be built on Black Mountain that overlooks the area. In total the economic benefits from this project include; an estimated increase in annual visitors from 6,000 to 10,000 (increasing the local economic impact by \$600,000 per year) and the retention of 45 jobs and the creation of 20 new permanent jobs (with a total impact of \$1.2 million in annual payroll).

Prestonsburg to David (Rails to Trails)

Status: Preliminary OSMRE approval (6/23/17) - OSMRE final approval ATP issued (11/19/18) - Construction started (1/15/19)

Location: Floyd County, Kentucky

Requested AML Pilot Funding: \$1.95 million

AML Site Info: Priority 3 unreclaimed

Project Partners: City of Prestonsburg

This project has purchased 11.4 miles of railway from CSX and develop it into a trail system from Prestonsburg to David. The proposed trail would be 10 feet wide and extend the existing Garfield Trail and connect Prestonsburg with the Middle Creek National Civil War Battlefield. Local points of interests in proximity to the trail include: parks, golf course, art center, planetarium, community college, and other trails which expect to see an increase in visitation.

South Fork Elk View Water Line and Campground Project

Status: Preliminary OSMRE approval (6/23/17) - OSMRE final approval ATP issued (2/8/19) - Construction started (3/21/19)

Location: Breathitt County, Kentucky

Requested AML Pilot Funding: \$1.95 million

AML Site Info: Priority 3 unreclaimed

Project Partners: Kentucky River Area Development District, Breathitt County Water District

This project is constructing over 6 miles of water supply line to the elk viewing area located on Highway 1098. Additionally, hydrants, storage tanks, a pump station and a campground with bathhouse and playground are also being constructed. The campsite will allow for 15 tent sites and 5 full hook-up sites that include electricity, water, and sewer. It is estimated to initially create 10 – 15 jobs and increase economic development through adventure tourism.

Royalton Trail Town Development

Status: Preliminary OSMRE approval (7/19/17) - OSMRE final approval ATP issued (11/19/18) - Construction started (10/8/19)

Location: Magoffin County, Kentucky

Requested AML Pilot Funding: \$1.9 million

AML Site Info: Priority 3 unreclaimed

Project Partners: Royalton Trail Town Inc., Kentucky Office of Adventure Tourism, Kentucky Department of Travel, Kentucky Department of Parks

Update: Project is 20% complete with site preparation and drainage work finished.

This project involves the development of 15+ acres in Royalton Kentucky along the Dawkins Line Rail Trail to encourage commercial activity and tourism. This will be accomplished by the construction of campsites, a boat ramp, a stage, recreation areas, and support facilities. The project will support further business creation/development in the area directly impacted by trail users. Anticipated direct employment from the project’s construction is estimated at up to eight individuals. Visitation is expected to increase at local events including benefit events, races, trade shows, Paddle Fest, and the Royalton Trail Town Festival.

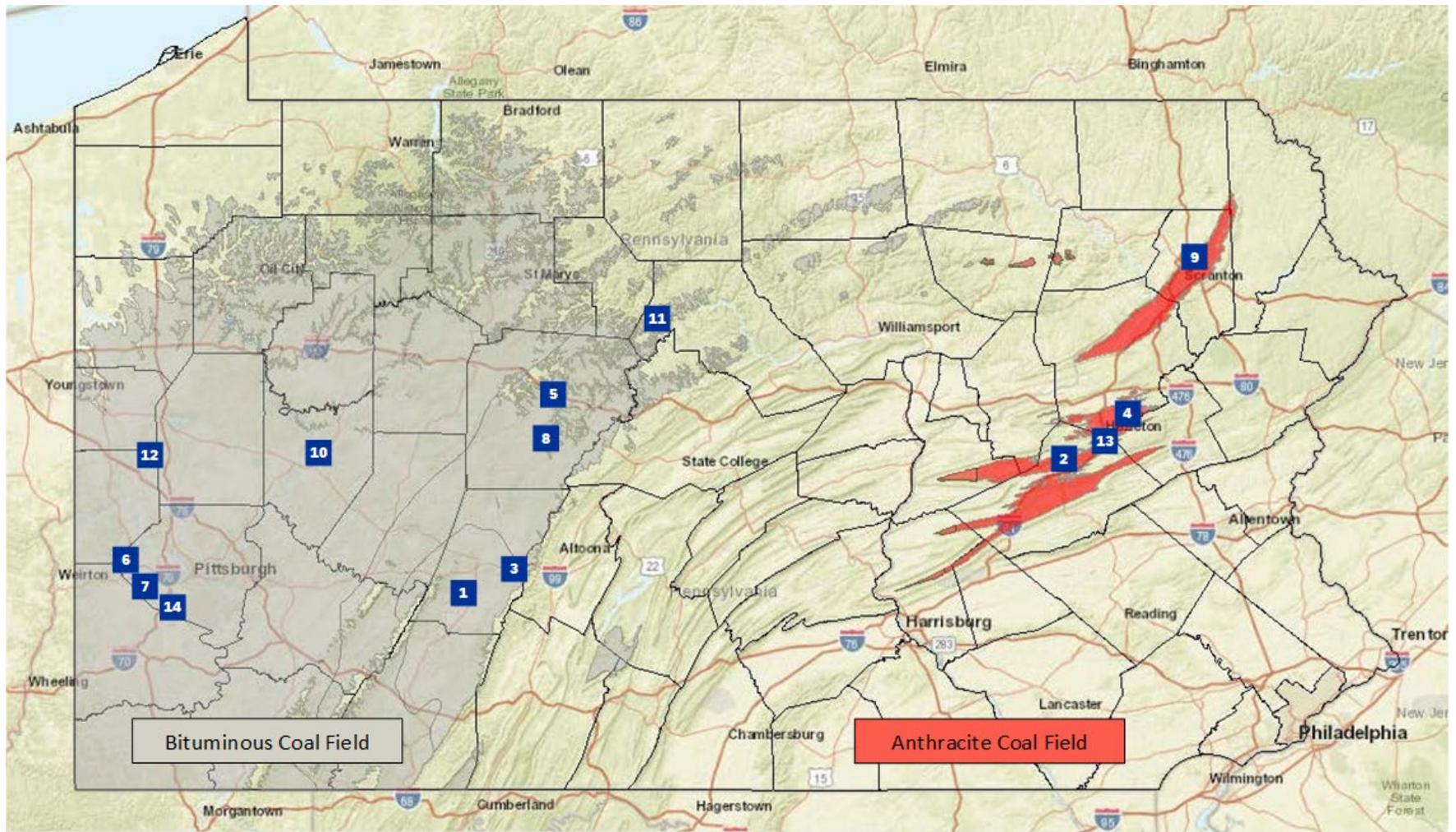


Royalton Trail Town Festival

FY 2016 Pennsylvania

As of November 30, 2019, Pennsylvania had submitted a total of 17 projects to use FY 2016 Pilot funds that have received OSMRE's preliminary approval. Pennsylvania tabled 3 of the 17 projects and 14 projects are currently active and have been awarded a portion of the \$30 million from the FY 2016 AML Pilot grant for PA. If applicable, changes in active projects and revisions to pilot funding requests from the previous Pilot Report are marked as an "Update" for each project in the list below.

Located in 10 counties across Pennsylvania, the 14 active FY 2016 AML Pilot projects include 6 outdoor recreation/conservation/education projects, 2 industrial/commercial improvement projects, 3 water line projects and 3 sites for future development. These projects were selected for funding based on their potential to create long-term economic benefits in the coal communities in which they are located. These projects will result in estimated outcomes that include: 460 acres of developable land; over 8200 direct and indirect jobs created; more than 650 residential homes and businesses benefiting from upgraded or new water supply systems; significant stream water quality improvements and restored fisheries; and increased tourism to the effect of millions of visitors per year. The 14 pilot projects have the potential to leverage an additional \$1.5 for every \$1 of AML Pilot Program funding from other abandoned mine land and abandoned mine drainage funds and/or public and private economic development funds. Additional information can be found through the [Pennsylvania Department of Environmental Protection](#).



1. Ehrenfeld Coal Refuse Pile Reclamation Project - Cambria County
2. Bowman's Shaft, Pioneer Tunnel Mine Headframe & Hoist Preservation - Schuylkill County
3. Cresson Acid Mine Drainage Treatment Plant - Cambria County
4. Eckley/Hazleton Rail Trail/Hazel Creek Cleanup - Luzerne County
5. Pine Grove North/Lawrence Township Water Line Extension Project - Clearfield County
6. Pittsburgh Authority Innovation Campus - Allegheny County
7. Pittsburgh Botanic Garden - Allegheny County

8. Potts Run Passive AMD Treatment System (Boardman) - Clearfield County
9. Powderly Creek Underground Mine Fire and Economic Development Project - Lackawanna County
10. Spaces Corners South/Rayburn Township Water Line Extension Project - Armstrong County
11. Sproul State Forest/Fran Contracting Surface Mine Restoration Project - Clinton County
12. TASA Airfield North (Zelienople Municipal Airport) - Beaver County
13. Tresckow Surface Mine Restoration Project - Carbon & Schuylkill Counties
14. Wingfield Pines Passive AMD Treatment Inflow Reconstruction - Allegheny County

Map of active projects in Pennsylvania receiving FY 2016 AML Pilot funds

Ehrenfeld Coal Refuse Pile Reclamation Project

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (7/21/16) - Construction started (7/21/16)

Location: Cambria County, Pennsylvania

Requested AML Pilot Funding: \$4.87 million – Originally requested \$3.5 million

Additional Funding: \$8.59 million from traditional Title IV AML funds to address physical hazards and \$13.31 million from other sources – Originally requested \$22.5 million for in Title IV AML funds and \$575,000 from other sources

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: Forest Hills Regional Alliance, Rosebud Mining Company, Pristine Resources Inc., Cambria County Conservation District, Stonycreek-Conemaugh River Improvement Project, Community Foundation for the Alleghenies, South Fork & Ehrenfeld Boroughs, Croyle Township, American Chestnut Foundation

Update: As of November 5, 2019, project was approximately 60% completed.

The AML Pilot funding is being used to complete reclamation of the 3.2 million ton abandoned Ehrenfeld Coal Refuse Pile. The coal refuse material is being excavated, hauled away, blended with alkaline material, and disposed of. This will result in the elimination of severe on-site erosion, off-site sedimentation, and a source of acid mine drainage runoff. Approximately 62 acres of mine impacted land will be restored, providing developable land within the city limits of Ehrenfeld. Forty dislocated coal miners will be provided employment during project construction. Outdoor recreation will be enhanced via convenient access to the Johnstown Flood Memorial Rails to Trails system.



**Progress of Ehrenfeld Coal Refuse Pile Reclamation Project (before top - after bottom)
Photo Credit: Pennsylvania Department of Environmental Protection**

Bowman's Shaft, Pioneer Tunnel Mine Headframe & Hoist Preservation Project - Completed

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (10/19/16) - Construction started (12/21/16) – Project completed (12/22/18)

Location: Schuylkill County, Pennsylvania

Requested AML Pilot Funding: \$206,007 - Originally requested \$50,000 and \$119,000 in traditional Title IV AML funds

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Ashland Community Enterprises, SDL Construction, Keystone Anthracite

This project has painted and erected a salvaged headframe and hoisting drum to exhibit at the Pioneer Tunnel Tourist Coal Mine and Museum in Ashland Borough, PA. The mining artifacts were recovered from the North Mahanoy Colliery, Park No. 1 Shaft in 2015. The museum has increased tourism and is educating visitors about the heritage of anthracite mining. According to the owners and operators of the Pioneer Tunnel Coal Mine and Steam Train Museum, the attraction has seen an increase in visitation from 2,500 in 2017 to 29,500 in 2018 and 31,000 in 2019.

Cresson Acid Mine Drainage Treatment Plant

Status: Preliminary OSMRE approval (7/13/18) - OSMRE final approval ATP issued (7/23/18) - Construction started (7/23/18)

Location: Cambria County, Pennsylvania

Requested AML Pilot Funding: \$2 million

Additional Funding: \$671,212 from traditional Title IV AML funds to address physical hazards plus additional funds from PA Capital Budget Public Improvement project funding

AML Site Info: Priority 2 and Priority 3 unreclaimed and previously reclaimed

Project Partners: Susquehanna River Basin Commission

Update: As of November 5, 2019, project was 94% complete.

This project will construct an active AMD treatment plant that will create three jobs and restore 21.5 miles of stream that can be used as a recreational fishery. Additionally, the project will drill 2 new wells to provide water to 2 residences and construct 1.5 miles of water line that will service 23 residences and a medical office.

Eckley/Hazleton Rail Trail/Hazel Creek Cleanup

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (10/31/16) and reissued (5/11/17) - Construction started (11/9/16 – Phase 1 and 10/3/17 - Phase 2)

Location: Luzerne County, Pennsylvania

Requested AML Pilot Funding: \$1.98 million

Additional Funding: \$67,223 from traditional Title IV AML funds to address physical hazards and \$1.02 million from other sources

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: Greater Hazleton Active Civic Partnership (GHACP), Greater Hazleton Chamber, PA Dept. of Conservation and Natural Resources, PennDOT

Update: Requested AML Pilot funding increased from \$1.6 million to \$1.98 million, traditional Title IV AML funds increased from \$67,223 to \$137,233, and funding from other sources increased from \$902,000 to \$1.02 million. Construction for phase 1 started on 11/9/16 and started for phase 2 on 10/3/17. Reclamation was completed on 5/4/18.

This project has reclaimed a 57-acre abandoned surface mine and reconstructed 3,190 feet of stream with wetlands. The project will construct a 3.5-mile extension of the Greater Hazleton Rails to Trails system to connect with the Eckley Miners' Village Historic Park. This trail is anticipated to increase visitation by over 9,000 per year. The reclamation work has resulted in 7 miles of improved streams in Hazel Creek and Black Creek making them available for fishing and other recreational uses. This will increase tourism to the area, which currently has over 35,000 annual visitors, and create opportunities for more visitor attractions for fishing, hiking, and sightseeing. Based on the 7 miles of improved stream, the yearly economic benefit is estimated at \$230,000.

Green Mountain Discharge/Audenreid Tunnel Discharge – Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (5/24/16) – Tabled by Pennsylvania

Location: Schuylkill & Luzerne Counties, Pennsylvania

Requested AML Pilot Funding: N/A – Originally requested \$2.5 million

Additional Funding: N/A

AML Site Info: Priority 2 previously reclaimed

Project Partners: Community Area New Development Organization, Eastern Middle Anthracite Regional Recovery, Eastern Pennsylvania Coalition for Abandoned Mine Reclamation, Schuylkill County Conservation District, Catawissa Creek Restoration Association, Hazleton City Authority, Natural Land Trust, Butler Enterprises, Schuylkill/Columbia County Conservation Districts, Catawissa Creek Restoration Association, Hazleton Environmental, Schumacher Engineering

This project has been tabled by Pennsylvania but originally proposed to treat the mine water discharge from the Green Mountain Tunnel and improve the treatment of water from the Audenreid Tunnel. This would result in the restoration of 24 miles of Catawissa Creek for recreation use, as well as deliver potable water to the Hazleton City Authority that would increase the available safe yield of the area's water supply. Additionally, geothermal energy would be recovered from the raw water for cooling and heating the water treatment buildings.

Pine Grove North/Lawrence Township Water Line Extension Project - Completed

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (8/2/18) – Construction started (8/3/18) - Project Completed (10/1/19)

Location: Clearfield County, Pennsylvania

Requested AML Pilot Funding: \$4.5 million – Originally requested \$2 million and then \$4.1 million

Additional Funding: \$33,172 from traditional Title IV AML funds to address physical hazards – Originally requested \$800,000 from traditional Title IV AML funds

AML Site Info: Priority 1 and Priority 2 unreclaimed

Project Partners: Lawrence Township & Clearfield Municipal Authority

Update: Requested AML Pilot funding increased from \$4.1 million to \$4.5 million.

This project has constructed 100,020 linear feet of water line extensions that services 192 homes and businesses in Lawrence Township which previously had wells/water supplies that were impacted or degraded by former surface and underground coal mining operations. The water line extension is providing potable water to a rural area and increasing the potential for industrial development, new single-family dwellings, and small businesses.

Pittsburgh Authority Innovation Campus⁴ - Completed

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (11/3/16) - Construction started (11/15/18) - Project Completed (5/31/19)

Location: Allegheny County, Pennsylvania

Requested AML Pilot Funding: \$500,000

Additional Funding: \$517,000 from traditional Title IV AML funds to address physical hazards and \$31 million from other sources

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: Pittsburgh International Airport, Allegheny County Airport Authority

This project (previously called the “Airport Authority World Trade Center Business Park”) has reclaimed more than 54 acres of abandoned mine land, including two dangerous highwalls. With the site reclaimed, development of the Pittsburgh Authority Innovation Campus, office space, research and development facilities, a 400-room hotel/convention center, and up to six corporate airplane hangars can commence. According to the Allegheny County Airport Authority, based on conceptual site development plans, the project is projected to employ more than 1,200 construction workers, create 7,000 direct and indirect permanent positions, and generate \$250 million in private investment.

Pittsburgh Botanic Garden

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (10/13/16) – Construction started (2/28/17)

Location: Allegheny County, Pennsylvania

Requested AML Pilot Funding: \$988,040 – Originally requested \$500,000

Additional Funding: \$216,040 from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 and Priority 3 unreclaimed and previously reclaimed

Project Partners: Allegheny County, Pennsylvania Infrastructure Investment Authority, North Fayette Township, American Chestnut Foundation

This project will address a dangerous highwall, mine subsidence and acid mine drainage while expanding the Pittsburgh Botanic Garden (PBG). When completed, the PBG will include 18 distinct gardens, a visitor’s center, an amphitheater for outdoor concerts and performances, and serve as a center for botanic research. The PBG reported 10,000 visitors in the first year of operation (2016), and 30,000 visitors in 2018. Administrators of the PBG project a 5% to 7% annual increase in visitation over the next 5 years as the site is further developed and the AML hazards are removed. Additionally, they estimate that the facility will directly and indirectly create 1,200 jobs and generate up to \$88 million in revenue within 10 years of operation.

Point Stadium Discharge, Mine Drainage Treatment & Mine Pool Geothermal Project - Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (1/27/17) - Tabled by Pennsylvania

Location: Cambria County, Pennsylvania

Requested AML Pilot Funding: N/A - Originally requested \$2 million

Additional Funding: N/A

AML Site Info: Priority 3 unreclaimed

⁴ Previously reported as “Airport Authority World Trade Center Business Park”

Project Partners: Conemaugh Hospital, Foundation for PA Watersheds, Stonycreek-Conemaugh River Improvement Project, Cambria County Conservation District, Pennsylvania Environmental Council, Lift Johnstown, Penelec Sustainable Energy Fund, eCap Network, City of Johnstown

This project has been tabled by Pennsylvania but originally proposed to improve 2 miles of stream impacted by acid mine drainage and treat or eliminate discharge from Point Stadium in downtown Johnstown. This project would either provide treatment of the discharge or use the treated water and/or the mine pool as an industrial water supply or as a geothermal energy source. Public facilities in Johnstown could use the geothermal energy to effectively reduce their heating and cooling costs.

Potts Run Passive AMD Treatment System (Boardman)

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (4/12/18) - Construction started (8/1/18)

Location: Clearfield County, Pennsylvania

Requested AML Pilot Funding: \$1.5 million

Additional Funding: \$1 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: Trout Unlimited, Knox Twp., Clearfield County Conservation District, Clearfield Creek Watershed Association, Hedin Environmental

Update: As of November 5, 2019, project was 52% complete.

This project will construct a passive treatment system to address acid mine drainage (AMD) that impacts over 3 miles of recreational trout fishery. Presently these waters are experiencing an estimated loss in recreation value of \$102,393 annually. Improvements from this project will restore this loss of value and also increase safety, property values, and quality of life for 20 households in the village of Boardman. Potential future development of the surrounding land includes building campsites or home sites.

Powderly Creek NE Underground Mine Fire and Economic Development Project - Completed

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (8/23/16) - Construction started (8/23/16) - Project completed (1/8/18)

Location: Lackawanna County, Pennsylvania

Requested AML Pilot Funding: \$2 million

Additional Funding: \$6.4 million from traditional Title IV AML funds to address physical hazards - Originally requested \$8 million from traditional Title IV AML funds

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Landowner, Carbondale City, Carbondale Enterprise Development Zone

This project has extinguished the Powderly Creek underground mine fire just outside Carbondale. Additional AML features adjacent to the mine fire area were reclaimed in order to create conditions suitable for future commercial/industrial development. Air quality has improved with the extinguishment of the fire. A total of 108 acres of AML have been reclaimed, of which over 100 acres of previously undevelopable land is available for future use. The property is within 2 miles of two separate interchanges from Route 6, which is attractive for commercial or industrial facilities. There is also the potential for residential expansion to increase the tax base of Carbondale. The additional lands will allow for more athletic fields or parks to increase the quality of life in economically depressed communities.



Powderly Mine Underground Fire Site Before and After Reclamation
Photo Credit: Pennsylvania Department of Environmental Protection

Spaces Corners South/Rayburn Township Water Line Extension Project - Completed

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (8/11/16) - Construction started (10/13/16) - Project completed (1/3/18)

Location: Armstrong County, Pennsylvania

Requested AML Pilot Funding: \$608,472 - Originally requested \$640,000

Additional Funding: \$32,025 from traditional Title IV AML funds to address physical hazards and \$5 million from other sources

AML Site Info: Priority 2 unreclaimed

Project Partners: Rayburn Township Joint Municipal Authority, Pennsylvania Infrastructure Investment Authority

The Rayburn Township Joint Municipal Authority has constructed a 9-mile water line to 160 residences, of which 118 have wells or water supplies impacted by abandoned mine land runoff. With the project completed, it is expected to stabilize the local tax base, and increase the potential for industrial and small business development and the construction of new single-family homes.

Sproul State Forest/Fran Contracting Surface Mine Restoration Project - Completed

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (12/15/16) - Construction started (6/28/17) - Project Completed (10/1/19)

Location: Clinton County, Pennsylvania

Requested AML Pilot Funding: \$3.5 million

Additional Funding: \$3.6 million from traditional Title IV AML funds to address physical hazards – Originally requested \$4 million from traditional Title IV AML funds

AML Site Info: Priority 3 unreclaimed

Project Partners: Department of Conservation & Natural Resources, Kettle Creek Watershed Association, Trout Unlimited, East Keating & Noyes Townships, Western Clinton Sportsman Club, PA Fish & Boat, Bureau of Forestry (Sproul State Forest), American Chestnut Foundation

Update: As of November 5, 2019, project was 85% complete.

This project has reclaimed the Camp Run No. 2 AML site in Sproul State Forest and restored water quality in the Rock and Camp Run tributaries of Cooks Run. Acid forming materials were excavated, removed, or treated on site to neutralize acidity. The reclaimed site was reforested to bring the land and water back to pre-mining conditions, allowing residents and visitors to hunt, fish, hike, sightsee, and use ATVs. Increased outdoor recreation opportunities are expected to increase visitation to the Sproul State Forest by 2% (approx. 3,500 visitors).

Tamaqua City Revitalization and Improvement Zone – Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (3/28/17) – Tabled by Pennsylvania

Location: Schuylkill County, Pennsylvania

Requested AML Pilot Funding: N/A – Originally requested \$3.6 million

Additional Funding: N/A

AML Site Info: Priority 2 and Priority 3 unreclaimed and previously reclaimed

Project Partners: City, County, PA Department of Community & Economic Development, PennDot, Schuylkill Headwaters, St. Luke's Hospital, Lehigh Anthracite/BET Associates, Tamaqua City Revitalization and Improvement Zone Authority, Tamaqua Area Community Partnership, Tamaqua Industrial Development Enterprises

This project has been tabled by Pennsylvania but originally proposed to remove AML refuse piles and re-grade approximately 19 acres for use as a riparian/park setting (including a part of a proposed rail-trail system). An existing haul road would be improved and would later become a segment of the planned Tamaqua Bypass to directly alleviate traffic congestion and improve access to the area, which would spur new economic growth. Future economic use of the area as part of a broad feasibility study includes a cancer treatment center, meeting and conference space, and geothermal infrastructure.

TASA Airfield North (Zelienople Municipal Airport)

Status: Preliminary OSMRE approval (7/25/17) - OSMRE final approval ATP issued (9/19/17) - Construction started (1/31/18)

Location: Beaver County, Pennsylvania

Requested AML Pilot Funding: \$2.5 million

Additional Funding: \$2.3 million multimodal grant through PennDOT and \$700,000 from Zelienople Airport

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: Zelienople Airport, State Legislators, Beaver County Conservation District, PA Fish & Boat Commission, PennDOT Bureau of Aviation, PennDOT Engineering District 11-0

Update: As of November 5, 2019, project was over 70% complete.

This project is proposed to reclaim an AML site with additional benefit to improving safety to the runway at the Zelienople Municipal Airport and the adjacent state roadway (Route 288). Benefits to the road include improved sightlines and reduced risk of loss of life if cars ran off the road. The airport will see benefits of safer take-off and landing with the relocation of a water filled impoundment that is frequented by birds. Additionally, these improvements will permit the runway closest to the roadway to operate at night and increase the number of flights that can use the airport. This will allow the Pittsburgh Jet Center to maintain a presence at the airport which plans to add 25 high paying jobs in the next 18 months.

Tresckow Surface Mine Restoration and Beaver Brook Waterline Extension Project

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (1/24/17) - Construction started on 3/27/17

Location: Carbon & Schuylkill Counties, Pennsylvania

Requested AML Pilot Funding: \$4.25 million

Additional Funding: \$1.35 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Community Area New Development Organization, PennDot, Tresckow, Kline Township Municipal Authority

Update: Waterline construction started on 3/27/17 and reclamation construction started on 2/9/18. Water line extension completed on 5/31/18.

The project has relocated and significantly upgraded 1 mile of the Beaver Brook water line (managed by the Kline Township Municipal Authority) to provide enhanced and reliable water service to 384 residential customers in the village of Tresckow. Reclamation work is currently taking place to backfill a strip pit using mine spoil materials obtained on-site to reclaim 174 acres for future industrial and commercial development.

Wingfield Pines Passive AMD Treatment Inflow Reconstruction

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (6/20/18) – Construction started (7/30/18)

Location: Allegheny County, Pennsylvania

Requested AML Pilot Funding: \$588,555

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Allegheny Land Trust

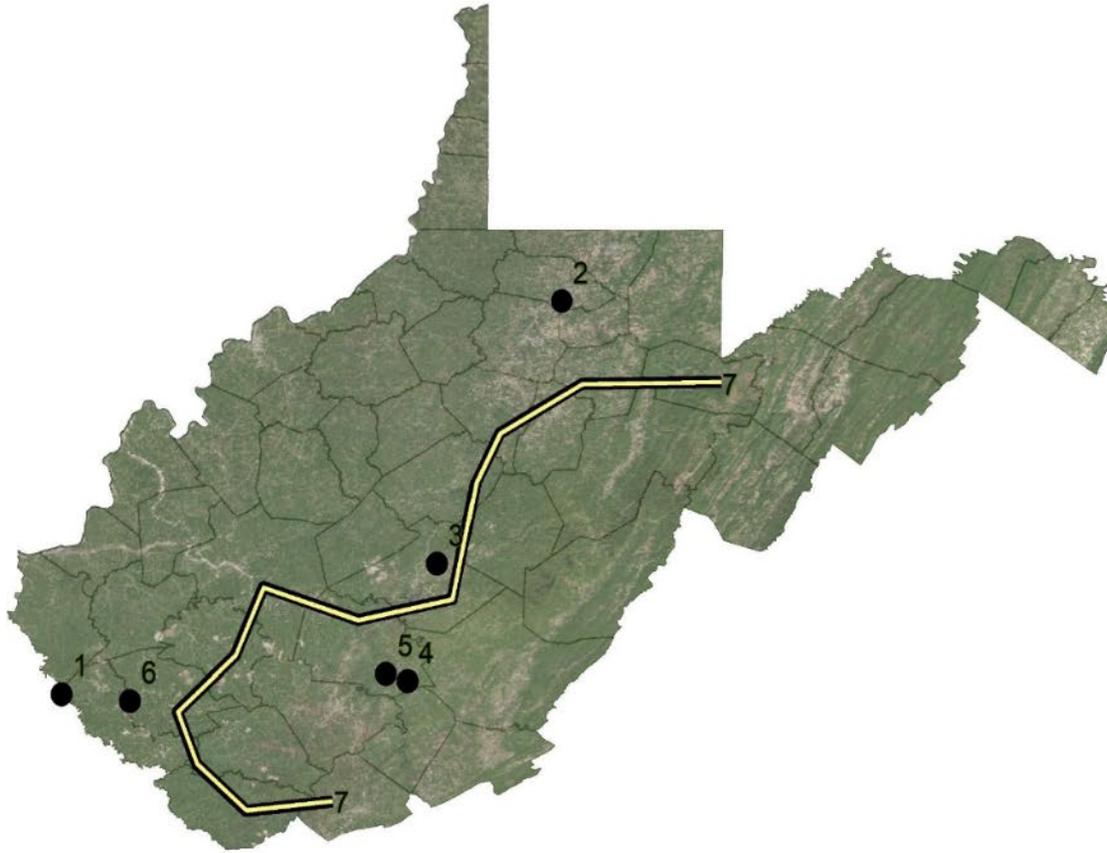
This project will reconstruct a deep mine collection structure to restore inflow to the Wingfield Pines passive treatment system and improve a local ecological park that is used for recreation and education. The park is used as an environmental laboratory for students from high school through college to explore and study. The waterways and 1-mile loop trail are frequently used by local hikers, bikers, and boaters. With the completion of this project, this site will provide long term benefit to the community through the uses of outdoor recreation and education.

FY 2016 West Virginia

As of November 30, 2019, West Virginia had submitted a total of eight projects to use FY 2016 Pilot funds that have received OSMRE’s preliminary approval. West Virginia tabled one of the eight projects and seven projects are currently active and have been awarded a portion of the \$30 million from the FY 2016 AML Pilot grant for West Virginia. If applicable, changes in active projects and revisions to pilot funding requests from the previous Pilot Report are marked as an “Update” for each project in the list below.

The seven active FY 2016 AML Pilot projects across West Virginia include two food production projects, one outdoor recreation/conservation/education project, one industrial park project, one infrastructure development project, and two water supply replacement projects. These projects will result in estimated economic outcomes that include: the installation of 17.3 miles of new water line that serve more than 200 homes and businesses; bring thousands of visitors to new attractions; construction of new infrastructure (e.g. utilities, roadways, and broadband service); the creation of over 6,200 new full-time jobs in the region; and the access to 11 new building pads for future businesses. The seven active pilot projects have the potential to leverage an additional \$1 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [West Virginia Department of Environmental Protection](#).

West Virginia FY 2016 Pilot Projects



Map Index	Project Name	County
1	Aquaponics on AML: Fish, Vegetables, Renewables, and Mine Air/Water	Mingo
2	I-79 Technology Park Mine Reclamation and Economic Expansion	Marion
3	Patriot Guardens Golden Delicious Apple	Nicholas
4	Danese PSD Crickmer Road Waterline Extension	Fayette
5	Danese PSD Highland Mountain Waterline Extension	Fayette
6	WV Elk Restoration Project	Logan
7	Mountain State Broadband Expressway	Multi

Map of active projects in West Virginia receiving FY 2016 AML Pilot funds

Patriot Guardians Golden Delicious Apple Project (Phase 1)

Status: Preliminary OSMRE approval (6/17/16) - OSMRE final approval ATP issued (8/13/17) - Construction started (8/19/17)

Location: Nicholas County, West Virginia

Requested AML Pilot Funding: \$5.3 million

Additional Funding: \$2.5 million from other sources

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: West Virginia National Guard, Central Appalachia Empowerment Zone, USDA, Pardee Natural Resources, West Virginia State University Extension, ERP Compliant Fuels

The Patriot Guardians Project is one of the most extensive project proposals in West Virginia approved for AML Pilot funding. The West Virginia National Guard will partner with multiple organizations to reintroduce the Golden Delicious Apple Tree to Nicholas County and set up a series of fruit tree orchards on abandoned mine lands to diversify the local economy. This project will plant and maintain approximately 97,000 trees and construct a 50,000 square foot processing and storage facility, commercial greenhouses, and a research station. Further expansion of this site is expected to reach a total of 1 million trees and an estimated 379-481 jobs once the facility is at full production.



**Test orchard consisting of various varieties of apple trees
Photo Credit: West Virginia National Guard website**

Aquaponics on an AML site

Status: Preliminary OSMRE approval (8/12/16) - OSMRE final approval ATP issued (4/16/18) - Construction started (4/18/19)

Location: Mingo County, West Virginia

Requested AML Pilot Funding: \$3.6 million

Additional Funding: \$25,000 in-kind, \$75,000 local, and \$120,000 from other Federal funds

AML Site Info: Priority 1, 2, and 3; unreclaimed

Project Partners: Mingo County Redevelopment Authority, Coalfield Development (Refresh Appalachia and Rewire Appalachia.)

Update: Project is approximately 75% complete

The Mingo County Redevelopment Authority will partner with Refresh Appalachia to develop an advanced aquaponic systems. This system will produce commercial quantities of fish and vegetables while utilizing renewable energy for facility power and temperature regulation. Jobs

projected to be directly created include 13 full-time employees (primarily in food production and distribution jobs) and 80 temporary employees (e.g. construction jobs, solar technicians). Indirect benefits include serving 15 clients via university collaborations, educational outreach, and the potential to conduct business with over 1,000 customers and 10 suppliers.



Interior of Fish and Vegetable Building Under Construction

Crickmer Water Line Extension - Completed

Status: Preliminary OSMRE approval (8/12/16) - OSMRE final approval ATP issued (11/29/16) - Construction started (10/9/17) - Project completed (8/18/18)

Location: Fayette County, West Virginia

Requested AML Pilot Funding: \$944,208 – Originally requested \$829,591

AML Site Info: Priority 2 unreclaimed

Project Partners: ARC Region 4, Danese Public Service District, E.L. Robinson Engineering Co.

The Danese Public Service District has installed 4.3 miles of various water lines to provide water service to 23 customers whose wells had been impacted by pre-law mining practices. This project is providing clean water to homeowners which has helped to stabilize the local tax base and improve property values.

Highland Mountain Water Line Extension - Completed

Status: Preliminary OSMRE approval (8/12/16) - OSMRE final approval ATP issued (11/29/16) - Construction started (11/6/17) - Project completed (3/20/19)

Location: Fayette County, West Virginia

Requested AML Pilot Funding: \$2.6 million – Originally requested \$3.1 million

AML Site Info: Priority 2 unreclaimed

Project Partners: ARC Region 4, Danese Public Service District, E.L. Robinson Engineering Co.

The Danese Public Service District has installed 13 miles of various water lines, a pressurized tank, and an 88,000-gallon storage tank. This project is providing clean water to approximately 188 homeowners which has helped to stabilize the local tax base and improve property values.

I-79 Technology Park

Status: Preliminary OSMRE approval (7/13/16) - OSMRE final approval ATP issued (5/13/19) - Construction started (8/12/19)

Location: Marion County, West Virginia

Requested AML Pilot Funding: \$4 million

Additional Funding: \$575,000 from the traditional AML funds to address the environmental hazards and an additional \$12 million from private and public sources

AML Site Info: Priority 1, 2, and 3; unreclaimed

Project Partners: High Technology Foundation, NOAA, Marion County Commission, Triad Engineering, March-Westin Company, First Energy Corporation, Orange Construction, Zayo Group

Update: Project is approximately 85% complete

The Marion County Commission will extend the existing road infrastructure in the I-79 Technology Park. The road expansion will make industrial-sized building pads more accessible for use. The scope of the work will include engineering services, subsurface investigation and stabilization, earthwork, storm drainage construction, erosion and sediment control, paving, and extension of utilities. When completed, the project will provide access to approximately 11 building pads and will install 1,545 linear feet of utilities (e.g. roadways, power lines) which will attract Federal anchors and others to the area. It is also projected to create 5,700 full-time, permanent jobs.

Mountain State Broadband Expressway (Phase 1)

Status: Preliminary OSMRE approval (10/5/17) - OSMRE final approval ATP issued (7/31/18) - Construction started (8/22/19)

Location: Field recon in progress to determine sites of broadband towers across various counties in West Virginia

Requested AML Pilot Funding: \$12.5 million

Additional Funding: \$18 million from other sources

AML Site Info: To be determined based on where tower locations are needed

Project Partners: Region VII Planning Council, Shentel Comm., Micrologic Inc., Microsoft. Inc.

This project will build an open-access fiber/wireless hybrid network of fiber linked high capacity telecommunication towers creating a foundational backbone running north and south through eastern WV. Planned towers will be dispersed along the path on AML sites and will provide affordable broadband service to rural areas which mostly lack access to the internet. When completed, this project will impact 20 counties in WV including Barbour, Boone, Braxton, Fayette, Gilmer, Greenbrier, Harrison, Kanawha, Lewis, Lincoln, Logan, McDowell, Nicholas, Preston, Randolph, Taylor, Tucker, Upshur, Wayne, and Webster.



Broadband Tower Under Construction

Sullivan Industrial Park - Tabled

Status: Preliminary OSMRE approval (8/12/16) - Tabled by West Virginia

Location: Raleigh County, West Virginia

Requested AML Pilot Funding: N/A - Originally requested \$12 million

Additional Funding: N/A

AML Site Info: Priority 2 unreclaimed

Project Partners: Beaver Coal Company, WV National Guard, Raleigh County Commission

This project has been tabled by West Virginia but originally proposed to reclaim the Sullivan tract which is a 230-acre AML site with two unreclaimed highwalls. In conjunction with the remediation and development of the site, an additional 10 acres would be donated to the West Virginia National Guard (WVNG) to create a flagship site for the Guard's Special Repair Program. This program currently employs dozens of workers that win projects from the Department of Defense to repair and maintain assets. The end use would be an industrial park in close proximity to I-64 and I-77 that could attract industrial and defense related business to the area. It is projected the WVNG would create 250 full-time civilian jobs within 5 years of project completion.

West Virginia Elk Restoration Project (Phase 1)

Status: Preliminary OSMRE approval (10/21/17) - OSMRE final approval ATP issued (3/27/18)

Location: Logan and Mingo Counties, West Virginia

Requested AML Pilot Funding: \$1 million

AML Site Info: Priority 1 unreclaimed

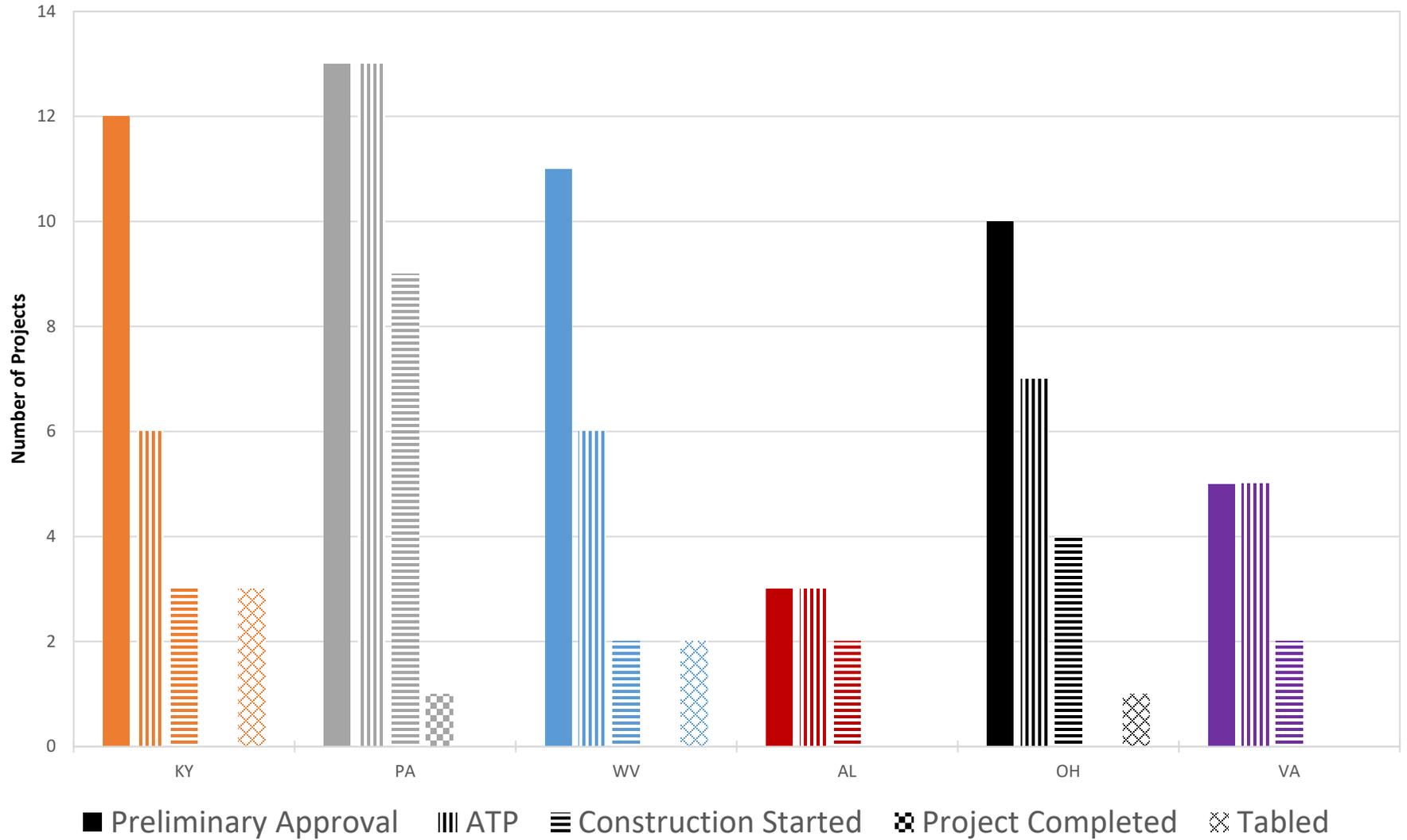
Project Partners: RMEF, NWTC, TCF, NFWF, Knobloch Foundation

This is a multi-phase project to restore the extirpated elk species in WV with the goal of enhancing eco-tourism activities and substantiating long term positive economic benefits to the depressed southern coal fields region. Phase 1 involves construction of a multi-level viewing deck and a storage facility. Later phases will include construction of a visitor center and parking lot. The project is expected to create jobs and welcome approximately 188,000 visitors per year. This is based on the success of elk restoration programs in surrounding states, particularly the Pennsylvania Elk Country Visitor Center.

IV. Implementation of the FY 2017 AML Pilot Program

OSMRE facilitated a meeting on June 7, 2017, in Pennsylvania with state AML Program staff from Kentucky, Pennsylvania, West Virginia, Alabama, Ohio, and Virginia to introduce the program to the new states as well as discuss changes and clarifications from the previous year. OSMRE released the *FY 2017 AML Pilot Guidance Document* to stakeholders on August 31, 2017. This guidance document was developed by OSMRE to assist the states in their selections of projects and reflected minor improvements from the previous year. The guidance document outlined general criteria by which potential projects should be evaluated for eligibility and successful selection, as well as suggested means by which projects could meet the economic and community development nexus criteria. Between November 2017 and February 2018, OSMRE awarded the FY 2017 AML Pilot grants (\$25 million to Kentucky, Pennsylvania and West Virginia and \$10 million to Alabama, Ohio, and Virginia). Between November 30, 2018 and November 30, 2019, one project using FY 2017 Pilot funds was completed (*Figure 5*).

Figure 5: Status of FY 2017 AML Pilot Projects



FY 2017 Kentucky

Since the previous AML Pilot Report, Kentucky submitted 4 additional project applications to use FY 2017 Pilot funds for a total of 13 projects. As of November 30, 2019, 1 project did not meet the AML Pilot eligibility criteria, however OSMRE has issued preliminary approval to the remaining 12 projects. Kentucky tabled three of these projects and nine projects are currently active and have been awarded a portion of the available \$25 million. If applicable, changes in active projects and revisions to pilot funding requests from the previous Pilot Report are marked as an “Update” for each project in the list below.

Located across eight counties in eastern Kentucky, the nine active preliminarily approved AML Pilot projects include, four infrastructure development projects, two industrial construction projects, two visitor attraction/outdoor recreation projects, and one professional development/training project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased tourism by attracting over 27,000 additional annual visitors to the region; workforce training for an additional 150 - 200 students annually; construction of 16 miles of new water and gas lines; approximately 1,000 new jobs created; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$1 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Kentucky Energy and Environment Cabinet](#).

1. Eastpark Industrial Park Infrastructure & Development - Boyd County
2. Coalfields Industrial Park Gas Supply - Perry County
3. East Kentucky Advanced Manufacturing Institute (eKAMI) (Phase 2) - Johnson County
4. Historic Stearns Downtown Revitalization Project - McCreary County
5. Impact Outdoor Adventures, Phase 2 - Clay County
6. Knott & Perry Counties KY 476 & 80 Interconnect - Knott and Perry Counties
7. Kentucky Enterprise Industrial Park Speculative Building - Pike County
8. Rush Off-Road Park - Boyd County
9. Water System Controls and Raw Water Modifications - Martin County



Map of active projects in Kentucky receiving FY 2017 AML Pilot funds

Eastpark Industrial Park Infrastructure & Development

Status: Preliminary OSMRE approval (7/13/18) - OSMRE final approval ATP issued (10/22/19)

Location: Boyd County, Kentucky

Requested AML Pilot Funding: \$4 million

Additional Funding: \$14.2 million from other sources

AML Site Info: Priority 3 previously reclaimed

Project Partners: The Northeast Kentucky Regional Industrial Authority, The Ashland Alliance, and Boyd, Carter, Elliott, Greenup, and Lawrence counties

This project involves site preparation for the planned 1.8 million square foot Braidy Industries Aluminum Mill facility. Specifically, the site preparation activities designated for AML Pilot funding consist of installing a grid of aggregate and concrete support piers and columns, which extend down through mine spoil to competent strata, to support the weight of the aluminum mill. This project is estimated to create approximately 1,000 temporary construction jobs and another 550 full-time permanent jobs.



Proposed Braidy Project Site Development Area

City of Pikeville Pack House – Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (2/27/18) – Tabled by Kentucky

Location: Pike County, Kentucky

Requested AML Pilot Funding: N/A – Originally requested \$6 million

Additional Funding: N/A

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: AppHarvest and the City of Pikeville

This project has been tabled by Kentucky but originally proposed to construct a 1.8 million square foot pack house building, packaging line equipment, cooling system, and irrigation system for the App Harvest packing and distribution house. The company planned to have a large-scale

production of cherry tomatoes, bell peppers, and other vegetables. This greenhouse would feature computerized monitoring and cutting-edge hydroponic above-ground growing systems which will create 140 jobs and a local food economy.

Coalfields Industrial Park Gas Supply

Status: Preliminary OSMRE approval (6/18/18) - OSMRE final approval ATP issued (10/11/19) - Construction started (10/24/19)

Location: Perry County, Kentucky

Requested AML Pilot Funding: \$900,000

Additional Funding: \$2 million from other federal sources and \$32,000 from the City of Hazard

AML Site Info: Priority 3 unreclaimed

Project Partners: City of Hazard, Economic Development Administration, Coalfields Regional Industrial Authority

This project will provide natural gas to the Coalfields Regional Industrial Park by installing approximately 6 miles of 6-inch natural gas pipeline from a wellhead area in central Perry County to the Industrial Park. The Industrial Park serves a five-county area, providing sites for manufacturing concerns and is owned and operated by the Coalfields Regional Industrial Authority. This 236-acre Industrial Park also has good highway access, public water, public sewer and electricity from Kentucky Power Company. With the addition of natural gas service, this project will attract new industries to the industrial park that have the potential to bring thousands of jobs to the area.



Completed Section of the Coalfield Gas Line
Photo Credit: Kentucky Division of Abandoned Mine Lands

East Kentucky Advanced Manufacturing Institute (eKAMI) (Phase 2)

Status: Preliminary OSMRE approval (6/29/18) - OSMRE final approval ATP issued (4/25/19)

Location: Johnson County, Kentucky

Requested AML Pilot Funding: \$1 million

AML Site Info: Priority 3 unreclaimed

Project Partners: East Kentucky Advanced Manufacturing, Inc.

This project is the second phase of the East Kentucky Advanced Manufacturing Institute (eKAMI) that used FY 2016 AML Pilot funding. The first phase has developed a training center that provides advanced manufacturing training on computer numeric control (CNC) machines for up to 100 students annually. FY 2017 AML Pilot funds are being used to improve site development surrounding the eKAMI building including correcting site drainage issues, improving access surrounding the building, increased parking (33 to 176 spots), and site grading activities. These site improvements will result in protection of the facility itself, accommodate increased traffic to the building, and provide the ability for further future development in support of the eKAMI program. With the increased space for parking, the number of students trained annually is estimated to increase by 150 – 200.

EnerBlu Manufacturing Facility Phase I – Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (2/26/18) – Tabled by Kentucky

Location: Pike County, Kentucky

Projected AML Pilot Funding: N/A – Originally requested \$4 million

Additional Funding: N/A

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: EnerBlu and the City of Pikeville

This project has been tabled by Kentucky but originally proposed to build a 60,000 square foot building that will contain offices, engineering, research, and development, and systems assembly for EnerBlu, Inc. EnerBlu, Inc. creates advanced power delivery systems to address the need for sustainable energy. Subsequent phases of this project would construct a 1 million square foot manufacturing operations facility that will manufacture low cost, highpower density batteries using eLTOTM (Lithium-Titanate) core technology. It was anticipated that this project could create over 900 jobs within 3 years of completion.

Historic Stearns Downtown Revitalization Project

Status: Preliminary OSMRE approval (9/25/18) - OSMRE final approval ATP issued (6/4/19) - Construction started (9/15/19)

Location: McCreary County, Kentucky

Requested AML Pilot Funding: \$1.1 million

Additional Funding: \$4.65 million from other sources

AML Site Info: Priority 1, 2, and 3; unreclaimed and preciously reclaimed

Project Partners: McCreary County Heritage Foundation

Update: Portion of tracks have been removed. Continued work is tied to progress of the Big South Fork Scenic Railway Slide Repair FY 2018 Pilot Project.

This project will renovate and revitalize the Big South Fork Scenic Railway in Stearns, Kentucky. AML Pilot funding will be used to remove/replace railroad tracks, ties, and switches; drainage improvements; and provide locomotive upgrades. Other funding will cover rehabilitation of existing buildings as a museum, visitor center, and bed and breakfast; reconstruction of a restaurant and theater; and improvements to the historic districts (sidewalks, drainage, paving, signs, and amenities). In total, these improvements are projected to result in an additional 61 full time and 14 part time positions and increase the number of annual visitors by 27,000 after 3 years.



Locomotive for the Big South Fork Scenic Railway
Photo Credit: Kentucky Division of Abandoned Mine Lands

Impact Outdoor Adventure (Phase 2) – Added since the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (8/13/19)

Location: Clay County, Kentucky

Requested AML Pilot Funding: \$200,000

AML Site Info: Priority 3 unreclaimed and previously reclaimed

Project Partners: Operation UNITE, Clay County Industrial Board

Update: Project added to FY 2017 AML Pilot grant due to the availability of funding

This project expands the developments of the first phase funded by the FY 2016 Pilot in the creation of an Outdoor Adventure Park for mountain bikes adjoining 15 miles of existing trails. This second phase will add a small building (restroom/store), 29 RV parking pads, utility lines for sewer (1,445 linear feet), electricity (2,430 linear feet), and water (1,235 linear feet), and construction of asphalt roads. The completed project will increase the number of annual visitors to the area.

Knott & Perry Counties KY 476 & 80 Interconnect – Added since the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (8/5/19)

Location: Perry and Knott Counties, Kentucky

Requested AML Pilot Funding: \$1.25 million

Additional Funding: \$350,000 from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 unreclaimed

Project Partners: Knott County Water and Sewer District

Update: Project added to FY 2017 AML Pilot grant due to the availability of funding

This project proposes to install 6,200 linear feet of 8-inch water supply line, a water storage tank, and a booster pump station to allow sufficient water supply to the city of Hazard. The Knott County

Water and Sewer District will sell water to the city via an existing water share agreement. This new water supply will benefit the current residents of Hazard and promote opportunity for new business to bring jobs to the area. It would also serve the Coalfields Regional Industrial Park, which is the site of "Project Core" funded by the FY 2018 Pilot grant.

Kentucky Enterprise Industrial Park Speculative Building – Added since the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (6/6/19)

Location: Pike County, Kentucky

Requested AML Pilot Funding: \$6 million

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: City of Pikeville

Update: Project added to FY 2017 AML Pilot grant due to the availability of funding

This project is an addition to the Marion Branch Industrial Park (Now called the Kentucky Enterprise Industrial Park) that is funded through the FY 2016 Pilot grant. The City of Pikeville is proposing to construct a 65,000 sq. ft. building as a speculative building to attract more companies to the industrial park. The building will offer a mix of office and manufacturing space capable of being customized to suit the needs of the tenant. Another company was brought to the park in this manner and three new companies that have potential interest in the site. The project is estimated to create between 100 and 300 jobs but will depend on the business that would use the site.

Rush Off-Road Park – Added since the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (11/15/19)

Location: Boyd County, Kentucky

Requested AML Pilot Funding: \$4 million

Additional Funding: \$136,350 from local sources and \$1.38 million in future investment

AML Site Info: Priority 3 unreclaimed

Project Partners: Rush Off-Road, Boyd County Fiscal Court, Kentucky Ohio Virginia Interstate Planning Commission, Private Investors

Update: Project added to FY 2017 AML Pilot grant due to the availability of funding

This project plans to build infrastructure to support the Rush Off-Road Park including 2.75 miles of paved road, 33,400 ft. of sewer line, and 14,000 ft. of water line. This infrastructure will service the 44,000 annual visitors to the park and improve access for local residents and emergency services when the road is flooded. Later phases of this project are proposing to construct 9-14 cabins, 44-54 campsites, a welcome center, bathhouse, vehicle wash facility, and storage facility. With these improvements, an increase in visitation is expected, in addition to 9-18 full time jobs created with the completion of later phases. The sewer line is also cited to benefit 62 current homes.

Water System Controls and Raw Water Modifications

Status: Preliminary OSMRE approval (2/21/18) - OSMRE final approval ATP issued (6/12/19) - Construction started (9/4/19)

Location: Martin County, Kentucky

Requested AML Pilot Funding: \$2.25 million

Additional Funding: \$1.2 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 unreclaimed

Project Partners: Martin County Water District

Update: Requested traditional Title IV AML funds increased from \$1 million to \$1.2 million

This project will install a secondary raw water intake in the Tug Fork River and rehabilitate one of three water treatment plant clarifier/filters to provide improved water quality and redundancy for the local water supply. Piping, pumps, and controls will be upgraded to provide for this second intake. The raw water transmission main pipe (16-inch) will be extended 3,500 feet from the Crum reservoir to the existing water treatment plan. The additional intake and filter rehabilitation will improve water quality to 3,550 customers and may serve as a means to attract new business and industry to the region.

Water Line Extension and Wastewater Treatment Facility for Federal Prison at Roxana - Tabled

Status: Preliminary OSMRE approval (7/31/18) - Tabled by Kentucky

Location: Letcher County, Kentucky

Requested AML Pilot Funding: N/A - Originally requested \$4.5 million

Additional Funding: N/A

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

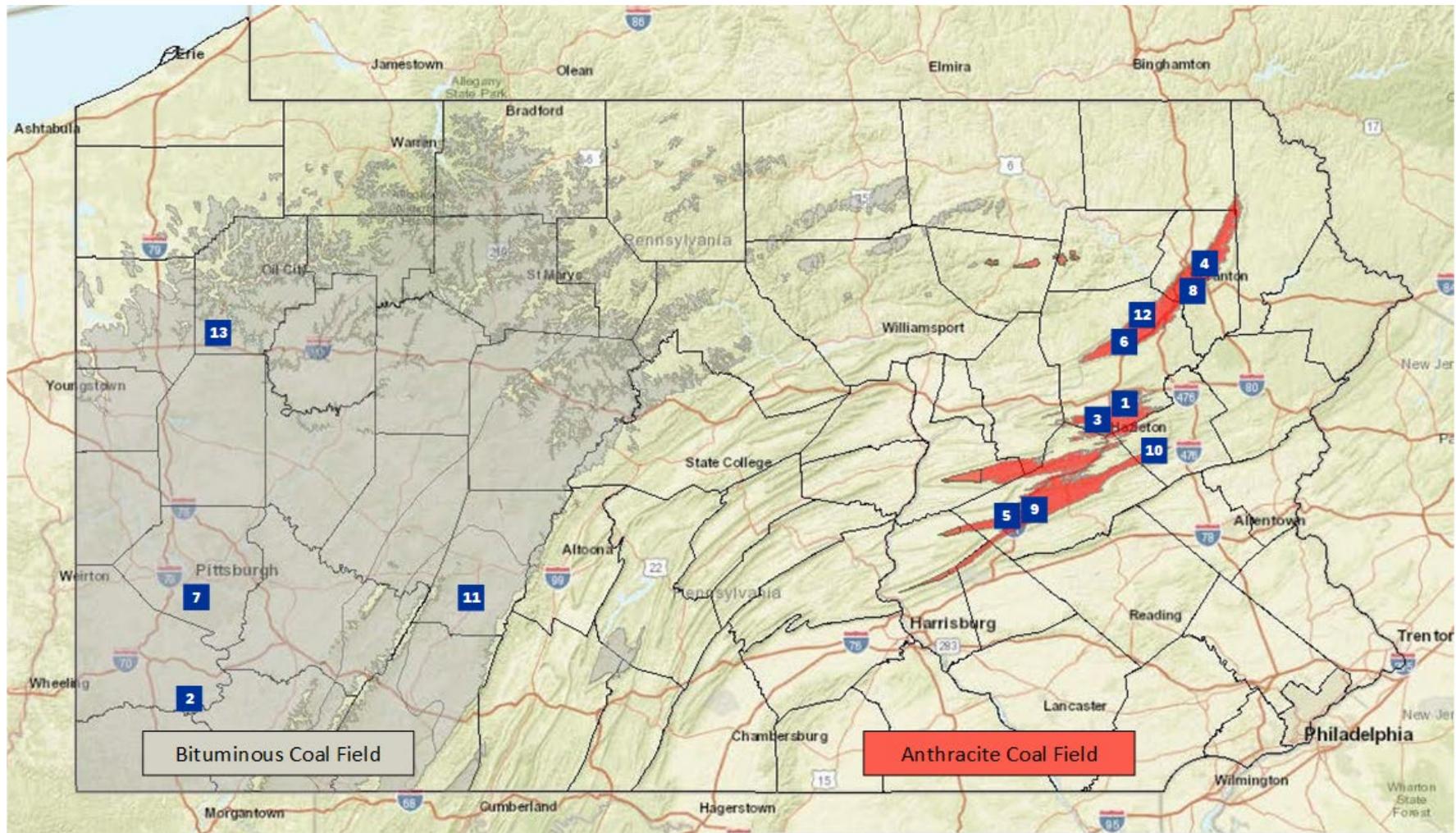
Project Partners: Letcher County Water and Sewer District (LCWSD)

This project has been tabled by Kentucky but originally proposed to construct a wastewater treatment plant and 50,000 linear feet of water line extension to support the construction and operation of an 800-acre Federal correction facility in Roxana, Kentucky. The facility would house 1,216 inmates and employ 300 full-time staff. It is estimated that the increase in employment and population should inject \$3 to \$4 million annually into the local community. If competed, this project is expected to increase water purchased from Knott County by 246,000 gallons which would generate \$289,000 in revenue for the county.

FY 2017 Pennsylvania

Since the previous AML Pilot Report, Pennsylvania moved and reactivated a previously tabled Pilot project from FY 2016 to FY 2017. Including the 12 projects previously reported, OSMRE issued preliminary approval for 13 projects as of November 30, 2019, which have been awarded a portion of the available \$25 million in FY 2017 funds. If applicable, changes in active projects and revisions to pilot funding requests from the previous Pilot Report are marked as an “Update” for each project in the list below.

Located in 8 counties across Pennsylvania, the 13 preliminarily approved AML Pilot projects include 5 outdoor recreation projects, 3 community development projects, 2 industrial construction projects, 2 multi-purpose projects, and 1 higher education project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased tourism by attracting 200,000 additional visitors to the region; new opportunities for 3900 students; the construction of 18.5 miles of trails; 1750 - 2300 new jobs created; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$1.25 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Pennsylvania Department of Environmental Protection](#).



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| <ul style="list-style-type: none"> 1. Hollars Hill South AML – Cranberry Creek Gateway Project - Luzerne County 2. Black Dog Hollow/Fredericktown Coal Refuse Pile Reclamation Project - Washington County 3. Can Do – North Park Drive Business Park - Luzerne County 4. Dickson City Trail - Lackawanna County 5. Donaldson Culm Bank Stream Restoration Project - Schuylkill County 6. Earth Conservancy Bliss Bank 3 Business Area - Luzerne County 7. Gladden AMD Active Treatment Plant and Fishing Run Stream Sealing - Allegheny County | <ul style="list-style-type: none"> 8. Lackawanna College Subsidence Abatement - Lackawanna County 9. Porter Floodplain Restoration - Schuylkill County 10. Quakake Tunnel AML Treatment and Black Creek Trail - Carbon County 11. Stinem an Refuse Pile - Path of the Flood Trail (South Fork Southwest) - Cambria County 12. Swoyersville Refuse Pile – Community Athletic Area - Luzerne County 13. TASA Refuse Piles – South Sandy Creek Restoration - Vanango County |
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Map of active projects in Pennsylvania receiving FY 2017 AML Pilot funds

Hollars Hill South AML – Cranberry Creek Gateway Project

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (6/27/18)

Location: Luzerne County, Pennsylvania

Requested AML Pilot Funding: \$1.9 million

Additional Funding: \$5.3 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Can Do Inc. and Pagnotti Enterprises Inc.

Update: Requested AML Pilot funding increased from \$1 million to \$1.9 million and traditional Title IV AML funds increased from \$1.7 million to \$5.3 million

This project will reclaim and enhance 150 acres of abandoned mine land for development by eliminating dangerous highwalls, dangerous piles, embankments, hazardous equipment, facilities, spoil areas, and industrial and residential waste. This reclamation work will allow for the development of a portion of the Cranberry Creek Gateway Project, located in the Hollars Hill section of Hazle Township, PA. In its entirety, the Cranberry Creek Gateway Project is a 366-acre community development project that includes: a 5,000-seat stadium, sports dome/ice box, town center, commercial/retail space, low medium and high-density residential complexes, community ballfield complex, wildlife sanctuary/botanical garden and greenways. Based on similar projects, 500-1,000 permanent full-time positions are expected when completed.



Design Plan of the Hollars Hill South AML – Cranberry Creek Gateway Project

Black Dog Hollow/Fredericktown Coal Refuse Pile Reclamation Project – Previously tabled under the FY 2016 Pilot grant

Status: Preliminary OSMRE approval (5/24/16) - OSMRE final approval ATP issued (12/6/16) - Construction started (12/6/18)

Location: Washington County, Pennsylvania

Requested AML Pilot Funding: \$1 million

Additional Funding: \$3.8 million from traditional Title IV AML funds to address physical hazards
AML Site Info: Priority 2 unreclaimed and previously reclaimed
Project Partners: East Bethlehem Township, Hobo Ventures Inc.
Update: Project previously tabled by Pennsylvania and has been reactivated and moved to the FY 2017 AML Pilot Grant. Requested AML Pilot funding decreased from \$2 million to \$1 million and traditional Title IV AML funds increased from \$3 million to \$3.8 million

This project will reclaim the abandoned Fredericktown Coal Refuse Pile, which is located within 500 feet of 60 homes. The 45-acre coal refuse pile, which has steep, unstable slopes and severely eroded channels, will be regraded to create more stable slopes. It will also be compacted and capped with clean alkaline fill to allow for successful revegetation and recreational use as a public park. Portions of the site will be made available for future industrial development and plans are underway to establish a Recreational and Greenspace Public Park Development area to promote recreational use and tourism.

Can Do – North Park Drive Business Park

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (10/16/18)
Location: Luzerne County, Pennsylvania
Requested AML Pilot Funding: \$2 million
Additional Funding: \$657,900 from traditional Title IV AML funds to address physical hazards
AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed
Project Partners: Can Do Inc.

This project will reclaim approximately 4.5 acres of abandoned mine land including a highwall and hazardous waterbodies to prepare the site for development in the Can Do Industrial Park. At project completion, Can Do is ready to market the site as one property parcel. With this development, 85 – 150 permanent full-time jobs are anticipated to be created. Additionally, safety will be improved for 40 residences that are adjacent to the AML site.

Dickson City Trail

Status: Preliminary OSMRE approval (7/13/18) - OSMRE final approval ATP issued (12/21/18)
Location: Lackawanna County, Pennsylvania
Requested AML Pilot Funding: \$400,000
Additional Funding: \$500,000 from DCNR and \$470,000 from PennDOT
AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed
Project Partners: Lackawanna Heritage Valley Authority, DCNR, and PennDOT

This project will reclaim 7 acres of AML and construct 1 mile of trail along the Lackawanna River. This trail will be an extension of the “Lackawanna River Heritage Trail” which aims to create a recreation area that stretches the entire length of the Lackawanna River and eventually connect with the “Delaware and Lehigh Trail” in Wilkes Barre. Currently the Lackawanna River Heritage Trail has 13 miles completed with 4 miles in a design or construction phase. In 2017, the existing portions of the trail saw a total of 315,000 visitors.

Donaldson Culm Bank Stream Restoration Project

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (9/6/18) - Construction started (12/26/18)
Location: Schuylkill County, Pennsylvania

Requested AML Pilot Funding: \$2 million

Additional Funding: \$4.6 million from traditional Title IV AML funds to address physical hazards, \$918,889 from Growing Greener, \$300,000 from DCED, \$25,000 from Williams Companies, and \$500,000 from the National Fish and Wildlife Foundation

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Frailey Township, Natural Coal Company, YZ-05 Inc., Schuylkill Economic Development Corp., Rausch Creek Lands LR, Olympus Power – Westwood Plant, The Williams Companies Inc., Department of Community and Economic Development

Update: Requested AML Pilot funding decreased from \$2.1 million to \$2 million, corrected additional funding received from Williams Companies from \$25 million to \$25,000

This project will restore a natural flow path to Good Spring Creek and reclaim 60 acres of refuse material that is eroding into the creek near the village of Donaldson in Schuylkill County, PA. This will reduce the sediment load in 16 miles of stream and restore the creek's ability to support a wild trout fishery which is estimated to generate \$188,000 per year in economic revenue. The corrected stream path will also prevent/reduce future flooding events that have had significant cost to the area in the past in terms of repair expenses and loss of jobs. Residents in Frailey Township and surrounding areas will utilize 40 acres of the reclaimed area once it is converted into a recreation facility with interpretative walking trails, benches, and fishing access areas.



Construction site for Donaldson Culm Project
Photo Credit: Pennsylvania Department of Environmental Protection

Earth Conservancy Bliss Bank 3 Business Area

Status: Preliminary OSMRE approval (3/1/18) - OSMRE Final Approval - ATP issued (6/27/18) - Construction started (8/9/18)

Location: Luzerne County, Pennsylvania

Requested AML Pilot Funding: \$2.5 million

Additional Funding: \$526,835 from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 and 3 unreclaimed

Project Partners: Earth Conservancy

This project will connect transportation access to two previously developed areas within the Bliss Bank Business Area through the reclamation of 55 acres of abandoned mine land. In addition, 2,000 linear feet of sewer, water, and gas line will be installed. These improvements will accelerate completion of the overall Bliss Bank Project by years, allowing actual development to take place much sooner than anticipated. When all phases are completed, 1,000 permanent full-time positions are expected.



Construction site for Bliss Bank 3 Project
Photo Credit: Pennsylvania Department of Environmental Protection

Gladden AMD Active Treatment Plant and Fishing Run Stream Sealing

Status: Preliminary OSMRE approval (9/25/18) - OSMRE Final Approval - ATP issued (7/2/19)

Location: Allegheny County, Pennsylvania

Requested AML Pilot Funding: \$3 million

Additional Funding: \$10 million from other sources

AML Site Info: Priority 2 and 3 previously reclaimed

Project Partners: South Fayette Conservation Group

Update: Requested AML Pilot funding decreased from \$6 million to \$3 million, and funding from other sources increased from \$2 million to \$10 million

This project will construct an active acid mine drainage (AMD) treatment system that will enable recreational use of 14 miles of Chartiers Creek and 4 miles of Miller Run. The streams will be stocked with trout and accessible via two parks (Meyer Park and Middleton Park). The estimated annual revenue generated from fishing and boating on the 18 miles of stream is \$891,000. The 4 miles of Miller run also flow through the 300-acre Newbury Market Development site and will increase the value of the land for future commercial and residential tenants. The AMD treatment system can also be utilized as an educational tool for local schools and universities.

Lackawanna College Subsidence Abatement - Completed

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (3/1/18) - Construction started (5/15/18) – Project completed (6/28/19)

Location: Lackawanna County, Pennsylvania

Requested AML Pilot Funding: \$450,000

AML Site Info: Priority 1 and 2 unreclaimed and previously reclaimed

Project Partners: Lackawanna College

This project has filled mine voids to prevent subsidence under the building at 409 Adams Ave. in Scranton, PA that is being used by Lackawanna College to expand their Culinary Arts Program. The expansion provides classrooms, housing, and dining facilities for the new Culinary Arts Program. It also provides additional classrooms, administrative offices, conference rooms, and laboratory spaces that support the operation of existing academic degree and continuing education programs. This overall expansion by Lackawanna College accommodates over 3,900 students annually and creates 66 permanent full-time positions, 21 permanent part time positions, 110 non-permanent construction jobs, and 265 indirect positions.

Porter Floodplain Restoration

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (5/8/18)- Construction started (9/11/18)

Location: Schuylkill County, Pennsylvania

Requested AML Pilot Funding: \$2 million

Additional Funding: \$200,000 from traditional Title IV AML funds to address physical hazards, \$373,309 from SFPC, \$60,000 from SHA, and \$200,000 from DCNR

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: Stoudts Ferry Preparation Company, Schuylkill Headwaters Association, Schuylkill River Greenway Association, Reading Northern and Blue Mountain Railroad, DCNR, William Penn Foundation, Exelon, Porter Estate

Update: 80% of refuse material has been removed and the trail is in the design stage

This project will excavate and remove refuse material located on the Porter property that erodes into the Schuylkill River. Once all the material is removed from the site, the natural floodplain will be restored mitigating downstream flood potential in future high-water events. With the restoration of the floodplain, this project will also develop a missing section of the Bartram Trail which will connect 8.5 miles of trails within the Schuylkill River Trail Network. As part of the trail, Pilot funds will be used to rehabilitate an existing bridge that crossed the Schuylkill River. An estimated 61,000 visitors will use the trail per year.



Porter Floodplain Restoration Project
Photo Credit: Pennsylvania Department of Environmental Protection

Quakake Tunnel AML Treatment and Black Creek Trail

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (6/4/18) - Construction started (9/4/18)

Location: Carbon County, Pennsylvania

Requested AML Pilot Funding: \$2 million

Additional Funding: \$600,000 from DCED Local Share Grant, \$475,000 from the Carbon County Commissioners sub-grant from HUD, \$1 million Redevelopment Assistance Capital Program, \$300,000 from AMD Set-Aside, and \$77,000 from Growing Greener

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Weatherly Borough, Carbon County Commissioners, DCED, Wildlife Conservancy, USGS

Update: Requested AML Pilot funding decreased from \$3 million to \$2 million

This project will construct an Active Acid Mine Drainage (AMD) Treatment Plant for the Quakake Tunnel discharge with the intent of restoring Black Creek for recreational use. Additionally, 6 miles of trail from the Lehigh Gorge State Park to Weatherly Borough will be added, as well as a new Municipal Building for Weatherly Borough. Black Creek flows into the Lehigh Gorge State Park, a popular park that has biking, fishing and rafting enthusiasts as its primary users. With the mine water treated, approximately 8 miles of stream would be restored, making it fishable and generating approximately \$350,000 yearly in revenue for the local economy.

Stineman Refuse Pile - Path of the Flood Trail (South Fork Southwest)

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (3/19/18) - Construction started (12/26/18)

Location: Cambria County, Pennsylvania

Requested AML Pilot Funding: \$2.1 million

AML Site Info: Priority 1 and 2 unreclaimed

Project Partners: Cambria County, Cambria County Conservation and Recreation Authority, Stineman Ribbon Company

Update: Requested AML Pilot funding increased from \$2 million to \$2.1 million and traditional Title IV AML funds are no longer requested

This project will remove 600,000 cubic yards of refuse materials from 20 acres that have trails used by the public. Waste mining material will be pulled away from the river to regrade and revegetate the site and neutralize acidity. The Cambria County Conservation and Recreation Authority plans to construct a 3-mile hiking/biking trail on the cleared site that will connect the Johnstown Flood National Memorial to the Path of the Flood Trail in Ehrenfeld. When completed, an estimated 100,000 people per year will pass through the project area.



Stineman Refuse Pile Site

Photo Credit: Pennsylvania Department of Environmental Protection

Swoyersville Refuse Pile – Community Athletic Area

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (6/27/18) - Construction started (9/21/18)

Location: Luzerne County, Pennsylvania

Requested AML Pilot Funding: \$3.35 million

Additional Funding: \$650,000 from traditional Title IV AML funds to address physical hazards and funds from Olympus Power if project total surpasses \$4 million

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Eastern Pennsylvania Coalition for Abandoned Mine Reclamation, Olympus Power, and Pagnotti Enterprises Inc.

The project will reclaim 15 acres of abandoned mine land at the Swoyersville refuse pile site. Seven of those restored acres will be transferred to Swoyersville Borough for the development of community recreational facilities including a youth football field. The community recreational facilities will provide for recreational opportunities for all residents of Swoyersville and the surrounding area. The remaining 8 acres will be available for development by the property owner. Olympus Power/Northampton Fuel have long range plans to reclaim the entire Swoyersville coal refuse pile which would ultimately restore 55 acres of AML which could all be used for industrial/commercial development within Swoyersville Borough resulting in job creation.

TASA Refuse Piles – South Sandy Creek Restoration

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (3/12/18) - Construction started (4/19/18)

Location: Venango County, Pennsylvania

Requested AML Pilot Funding: \$3.1 million

Additional Funding: \$156,000 from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 and 3 unreclaimed and previously reclaimed

Project Partners: Scrubgrass Generating Co., South Sandy Creek Watershed Association

Update: Traditional Title IV AML funds increased from \$20,000 to \$156,000. As of November 30, 2019, 80,053 tons of refuse had been removed from site and 33,790 tons of fly ash had been returned to site for watershed improvement.

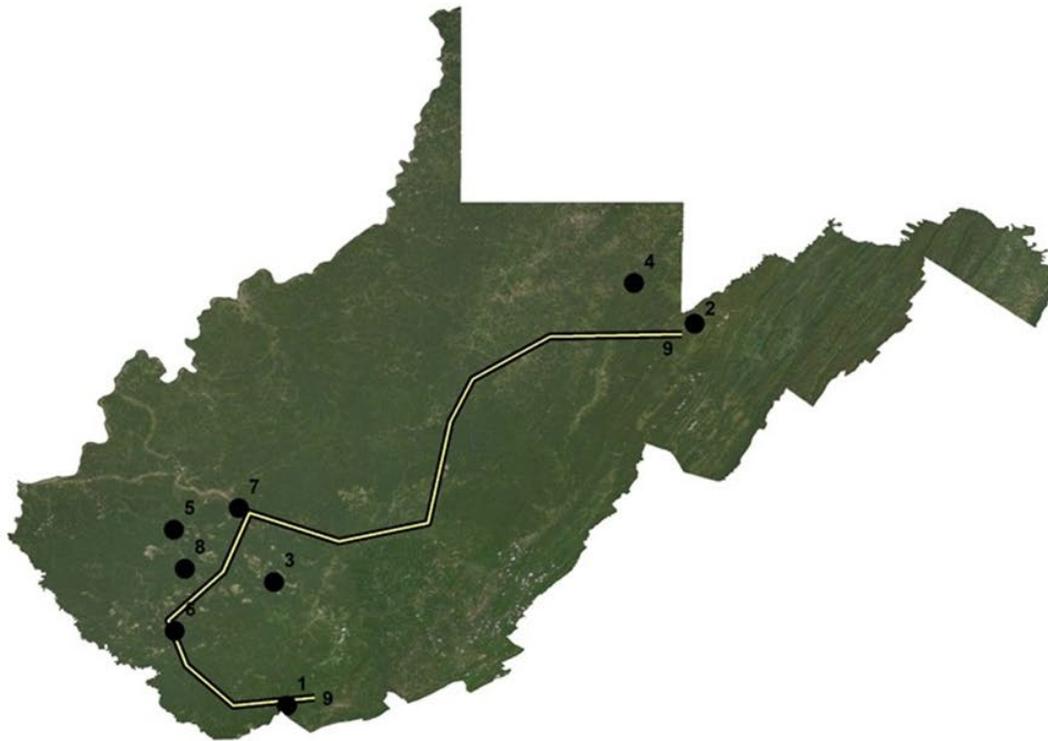
This project will excavate 200,000 tons of acid forming refuse and transport it to the Scrubgrass Generating Plant to be utilized to generate electricity. This material will support the 100 employees at the generating plant for 2 years. A portion of the resulting alkaline fly ash byproduct from the generation plant will be returned to the site and mixed with the existing soil to remediate the acid and reclaim the site. When completed, 52 acres of land will be restored for agricultural use and ground water quality will improve for two residential drinking wells.

FY 2017 West Virginia

Since the previous AML Pilot Report, West Virginia submitted 2 additional project applications to use FY 2017 Pilot funds for a total of 12 projects. As of November 30, 2019, 1 project did not meet the AML Pilot eligibility criteria, however OSMRE issued preliminary approval to the remaining 11 projects. West Virginia tabled 2 of these projects and 9 projects are currently active and have been awarded a portion of the available \$25 million. If applicable, changes in active projects and revisions to pilot funding requests from the previous Pilot Report are marked as an “Update” for each project in the list below.

The nine active preliminarily approved AML Pilot projects include five outdoor recreation projects, two industrial/business construction project, one infrastructure project, and one agriculture project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased tourism by attracting over 22,000 visitors to the region; the construction of 80 miles of trails; hundreds of new jobs created; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$0.40 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [West Virginia Department of Environmental Protection](#).

West Virginia FY 2017 Pilot Projects



Map Index	Project Name	County
1	ATV Trail Camp at Coaldale	Mercer
2	Beaver Creek Fishery Enhancement	Tucker
3	Clear Fork Rail Trail	Raleigh
4	Grace Chapel Remediation and Redevelopment	Preston
5	Ivy Branch Off Road Development Project Phase 1	Boone
6	Tridelphia ATV Resort Project	Logan
7	Buzz Meats Livestock Processing and Value-Added Facility	Kanawha
8	Northern Cardinal Farms Price-Hunter Branch Hatfield AML	Boone
9	Mountain State Broadband Expressway Phase 2	Multi

Map of active projects in West Virginia receiving FY 2017 AML Pilot funds

ATV Trail Camp at Coaldale

Status: Preliminary OSMRE approval (3/15/18) - OSMRE final approval ATP issued (12/20/18)

Location: Mercer County, West Virginia

Requested AML Pilot Funding: \$1.8 million

Additional Funding: \$2.3 million from other sources

AML Site Info: Priority 2 unreclaimed

Project Partners: Hatfield McCoy Regional Recreation Authority, Mercer County Commission, Region I Planning and Development Council, WV Economic Development Authority, Mercer County Health Department, WV Department of Health, WVDEP, Mercer County Conservation and Visitor Bureau, Bluewell Public Service District, BB&T, NCIF, Thrasher Engineering, Triad Engineering, Envirotech

This project will construct a trail camp for ATV riders adjacent to the site selected for the new Pocahontas Trail Welcome Center and Trailhead in Mercer County, WV. The trail camp will cater to the diverse needs of ATV enthusiasts who visit the area and include lodging facilities (20 single and double cottages), a store with a restaurant, and an ATV part/service/storage/rental facility. The project will be completed in phases with the first phase utilizing Pilot funds to construct sewer, water, and electric lines and the lodging accommodations that will be able to host 200 guests at a time. Later phases, utilizing secured private funding, will construct a restaurant, general store, additional cottages, and other site amenities.



ATV Trail Camp at Coaldale Site Plan

Beaver Creek Fishery Enhancement

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (4/30/19)

Location: Tucker County, West Virginia

Requested AML Pilot Funding: \$295,700

Additional Funding: \$15,300 in-kind

AML Site Info: Priority 3 unreclaimed

Project Partners: Canaan Valley Institute, WV Division of Natural Resources, and the WV Division of Highways

This project will restore 5 miles of Beaver Creek with the goal to improve recreational opportunities via visitor usability of the creek as a stocked trout fishery and the adjacent rail-trail. Enhancements include improvements to in-stream and pool habitats and planting riparian vegetation to provide long term buffer for the creek. This area is easily reached by local residents in Davis and Thomas, WV by access roads or rail-trail and will also serve as a gateway for visitors arriving in Tucker County, WV. When reclamation is completed, the creek is estimated to attract 5,000 anglers annually with an annual economic impact of \$500,000.



Buffalo Coal Site along Beaver Creek
Photo Credit: West Virginia Division of Highways

Clear Fork Rail Trail

Status: Preliminary OSMRE approval (3/30/18)

Location: Raleigh County, West Virginia

Requested AML Pilot Funding: \$2.25 million

Additional Funding: \$131,000 from other sources

AML Site Info: Priority 2 unreclaimed

Project Partners: New River Gorge Regional Development Authority, National Coal Heritage Area Authority, ROST Whitesville Inc.

Update: Additional funds increased from \$100,000 to 131,000

This project will reclaim a coal refuse pile and develop 8 miles of abandoned rail line that served historic coal mining operations. Creation of the Clear Fork Rail Trail will generate tourism and increase recreational opportunities for local residents. Interpretive signage along the trail will provide users with a glimpse into the history of the region and the coal communities through which the corridor passes. The trail is estimated to have 2,000 users in the first year and over 12,500 by the fifth year. These users are expected to generate \$2.7 million in sales over the 5 years. Potential business opportunities to complement the trail include bike rental, shuttle services, lodging, and dining.

Cline YMCA Complex (Phase 1) – Added since the FY 2016 – FY 2018 Pilot Report - Tabled

Status: Preliminary OSMRE approval (4/2/19) - Tabled by West Virginia

Location: Raleigh County, West Virginia

Requested AML Pilot Funding: N/A – Originally requested \$3 million

Additional Funding: N/A

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: Cline Family Foundation and the Carter Family Foundation

Update: Project originally added to FY 2017 AML Pilot grant due to the availability of funding. Tabled by West Virginia.

This project has been tabled by West Virginia but originally proposed to construct part of a new YMCA Facility in Beckley, WV. The new facility would feature and include a gym, indoor track, pool, exercise studios, and a preschool. Additionally, access to an adjacent AML site would be blocked. This was estimated to create 75 temporary construction jobs and 12 new permanent jobs at the YMCA. Visitation to the facility was estimated to increase 18% (from 3,700 to 4,370 annually).

Grace Chapel Remediation and Redevelopment – Added since the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (6/6/19) - OSMRE final approval ATP issued (7/29/19)

Location: Preston County, West Virginia

Requested AML Pilot Funding: \$2.2 million

Additional Funding: \$91,169 in local funds and \$48,000 awarded by ARC through the POWER Federal Funding Opportunity

AML Site Info: Priority 2 unreclaimed

Project Partners: I-68 Regional Economic Partnership, Preston County Economic Development Authority, the Thrasher Group

Update: Project added to FY 2017 AML Pilot grant due to the availability of funding

This project proposes to rehabilitate a 44,000 sq. ft. industrial building and develop 6 acres of adjacent land to provide additional space for a future business to use the site. The site is owned by the Preston County Economic Development Authority and has a local manufacturing company that is interested in moving into the rehabilitated building. This company currently has 175 employees and moving into this building will allow them to add 12 - 20 more. A range of 28 - 44 temporary jobs would also be created for this project. Additionally, funds will be used to remediate other conditions that prevent a new tenant from using the space including stormwater management, and removal of a disposal area, water intrusion, lead based paint, and asbestos materials.

Ivy Branch Off-Road Development (Phase 1)

Status: Preliminary OSMRE approval (3/30/18) - OSMRE final approval ATP issued (5/7/19) - Construction started (7/29/19)

Location: Lincoln and Boone Counties, West Virginia

Requested AML Pilot Funding: \$3.32 million

AML Site Info: Priority 2 unreclaimed

Project Partners: Boone County Community and Economic Development Corporation, Lincoln County Economic Development Authority

Update: This project is approximately 90% complete

This project has purchased the former Ivy Branch Trail System to ensure the 2,600 acres stays available to the public for recreational and economic developmental purposes. Once public safety has been addressed with the reclamation of the AML sites, over 40 miles of new trails will be opened in the summer of 2020. These trails will be open for ATV use and also be able to accommodate full size vehicles such as jeeps. Within the first 5 years after project completion, it is estimated that 10 new businesses will be developed on the property, as well as 100 new cabins, and space for outdoor activities such as camping and kayaking.

Livestock, Processing, and Value-Added Facility

Status: Preliminary OSMRE approval (3/30/18) - OSMRE final approval ATP issued (12/5/19)

Location: Kanawha County, West Virginia

Requested AML Pilot Funding: \$4 million

Additional Funding: \$1 million from other sources

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: Refresh Appalachia, WV Department of Agriculture, WV Small Business Development Center

This project will construct a modern, food-safe facility on abandoned mine land for converting local livestock to marketable meat. Construction is expected to create 10 – 15 temporary jobs and the completed facility, is estimated to directly create 30 – 37 jobs within 4 years, including at least 12 entry-level positions. On-the-job training programs catered to former coal miners and veterans will be held at the site and are eligible as college credit. The facility will be owned by an established company with 500 clients that include restaurants, hotels, resorts, and country clubs in WV and the surrounding states. Additionally, indirect jobs relating to marketing, distribution, and sales would be created.

Mountain State Broadband Expressway (Phase 2)

Status: Preliminary OSMRE approval (10/27/2017)

Location: Multiple counties, West Virginia

Requested AML Pilot Funding: \$3.35 million

Additional Funding: \$18 million from other sources⁵

AML Site Info: To be determined based on where tower locations are needed

Project Partners: Region VII Planning Council, Shentel Comm., Micrologic Inc., Microsoft. Inc.

Update: This project is currently developing its environmental review

This project is a continuation of the project that used FY 2016 AML Pilot funding toward building an open-access fiber/wireless hybrid network of fiber linked high capacity telecommunication towers creating a foundational backbone running north and south through eastern WV. Planned towers will be dispersed along the path on AML sites and will provide affordable broadband service to rural areas which mostly lack access to the internet. When completed, this project will impact 20 counties in WV including Barbour, Boone, Braxton, Fayette, Gilmer, Greenbrier, Harrison, Kanawha, Lewis, Lincoln, Logan, McDowell, Nicholas, Preston, Randolph, Taylor, Tucker, Upshur, Wayne, and Webster.

Northern Cardinal Farms - Price Hunter Branch Hatfield AML

Status: Preliminary OSMRE approval (3/30/18) - OSMRE final approval ATP issued (10/5/18) - Construction started (10/9/18)

Location: Boone County, West Virginia

Requested AML Pilot Funding: \$3.2 million

Additional Funding: \$598,502 from other sources

AML Site Info: Priority 1, 2, and 3; unreclaimed

Project Partners: Ftera Advisors LLC

Update: Additional funds increased from \$598,198 to \$598,502

This project will run a 100,000 square foot, modern, controlled-environment agriculture greenhouse operation and produce commercial quantities of leafy greens, vegetables, and fruits. Year-round operation with seasonal variation in production will accommodate changing light and energy components within the greenhouse's operation cost structure. Local residents will be hired for approximately 15 construction jobs and at least 23 full-time employees at full capacity including displaced coal mining workers and veterans. A training curriculum will be developed for employees and may also be applied as an educational program for local middle and high schools. This project will serve as the foundation of highly processed packaged and canned food manufacturing facilities in WV and will provide a sustainable supply of affordable healthy vegetable and fruit produce to over 3,500 Boone County residents.

Former TAZ Sawmill Site Development - Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (3/1/18) – Tabled by West Virginia

Location: Preston County, West Virginia

Requested AML Pilot Funding: N/A – Originally requested \$2.2 million

Additional Funding: N/A

AML Site Info: Priority 2 and Priority 3 previously reclaimed

Project Partners: The Thrasher Group, P.S. Energy, Old Colony Realty, Frazee Resource Management, I-68 Regional Economic Partnership, JB and Sons

⁵ This funding was also reported with the first stage of this project that was funding with FY 2016 AML Pilot funds

This project has been tabled by West Virginia but originally proposed to purchase over 40 acres of previously reclaimed mine land and rehabilitate a 12,000 square foot building for use as an industrial site. Improvements include replacement of damaged and broken concrete and damaged downspouts, construction of a concrete barrier to keep water from draining under the garage wall, outside door replacement, roof repair on a building extension, and conversion of the HVAC system from propane to natural gas. Additionally, 3,200 linear feet of sewer and natural gas utility lines would be connected to the site to appeal to most industrial users. Job creation and capital investment are expected once a business is in place on site.

Triadelphia ATV Resort Project

Status: Preliminary OSMRE approval (3/15/18)

Location: Logan County, West Virginia

Requested AML Pilot Funding: \$1.57 million

Additional Funding: \$6 million from the WW McDonald Land Company

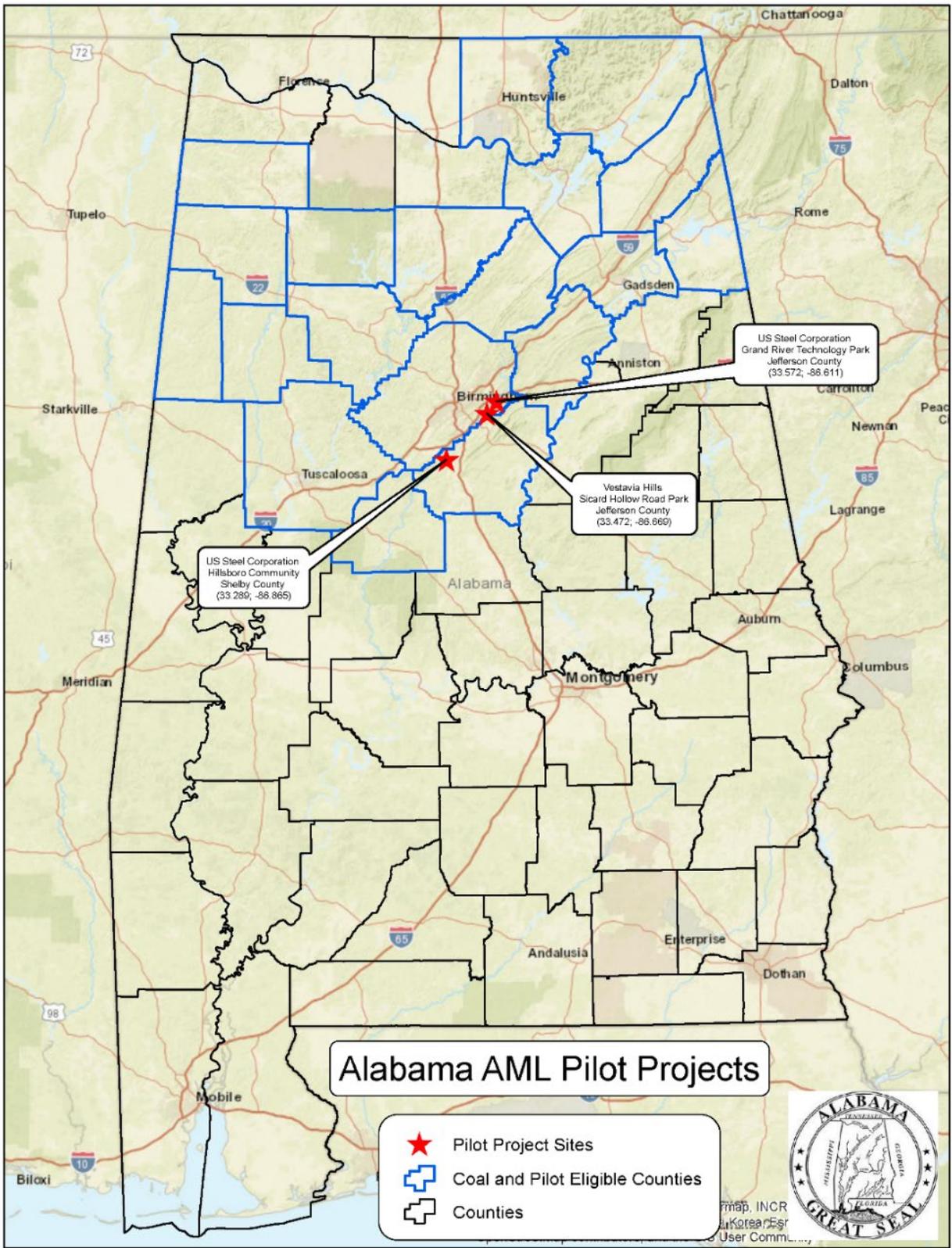
AML Site Info: Priority 2 unreclaimed

Project Partners: WW McDonald Land Company

This project will support development of a resort along the Hatfield-McCoy Trail System in Logan County, WV. Pilot funds would be used to move WV State Route 80 over 12 feet to accommodate an existing railroad crossing which must be utilized for the resort access road. With AML Pilot funding, the WW McDonald Land Company (developer) is ready to invest \$6 million for 2 phases of construction that includes: 33 cottages, 15 full hookup RV sites, and a general store. A phase 3 would be added at a later date and construct a 40-room lodge that is estimated to see 3,000 annual overnight guests.

FY 2017 Alabama

As of November 30, 2019, Alabama had submitted a total of three projects to use FY 2017 AML Pilot Funds that all received preliminary approval by OSMRE and are eligible to use a portion of the available \$10 million. Located within two counties in northern Alabama, the three preliminarily approved AML Pilot projects include one outdoor recreation project and two multi-purpose projects. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased tourism by attracting over 60,000 additional visitors to the region; the construction of community amenities and over 4.5 miles of roads and trails; new jobs created in two future industrial and commercial districts; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$5 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Alabama Department of Labor](#).



Map of active projects in Alabama receiving FY 2017 AML Pilot funds

Grand River Technology Park

Status: Preliminary OSMRE approval (3/15/18) - OSMRE final approval ATP issued (2/19/19) - Construction started (4/1/19)

Location: Jefferson County, Alabama

Requested AML Pilot Funding: \$6 million

Additional Funding: \$41.2 million from other sources

AML Site Info: Priority 2 and Priority 3 previously reclaimed

Project Partners: U.S. Steel Corporation, City of Birmingham, Southern Museum of Flight, Jefferson County, City of Leeds

This is a multi-phase project to transform approximately 105 acres of undeveloped land adjacent to AML sites into a regional nexus for research and development, tourism, and light manufacturing. AML Pilot funds will be used to prep the site for construction and add road and sewer infrastructure. The first phase will involve the construction of a new building for the Southern Museum of Flight which estimates an increase in annual visitation from 60,000 to 120,000 with the new facility. Later phases will involve development of an Industrial Research and Light Manufacturing that will support regional automotive, medical, and industrial industries. The final phase involves construction of a residential development and elementary school to support the demand for housing with the jobs created in the Technology Park.



**Site preparations of Grand River Technology Park
Photo Credit: Alabama Department of Labor**

Hillsboro Community

Status: Preliminary OSMRE approval (3/15/18) - OSMRE final approval ATP issued (11/25/19)

Location: Shelby County, Alabama

Requested AML Pilot Funding: \$3.25 million

Additional Funding: \$9 million from other sources

AML Site Info: Priority 1 and Priority 2 previously reclaimed

Project Partners: U.S. Steel Corporation, City of Helena, U.S. Army Corps of Engineers, Alabama Department of Environmental Management

This is a multi-phase project to develop 3,600 acres for mixed use. The project will occur in four separate phases that will be connected by an integrated trail system linking the project to downtown Helena. Phase 1: Town Center Residential - Installation of sewer and utilities, plus grading and road construction of approximately 3,080 linear feet of roadway, to create 53 new residential lots. Phase 2: Town Center Commercial - Grading, utilities, parking and paving of approximately 14 acres to facilitate the construction of a commercial district with over 46,000 sq. ft. of new retail, 23,000 feet of office space, and up to 23,000 sq. ft. of second-level residential space. Phase 3: Hillsboro Lake and Trail System - Construction of a 21-acre lake encircled with 2 miles of walking trail, a 60-acre park and common area, and connection to the existing trail system. Phase 4: Coke Oven Park - Construction of 1 mile of trail alongside a landscaped park and a bridge along the abandoned Eureka Railroad bed.

Sicard Hollow Park

Status: Preliminary OSMRE approval (3/15/18) - OSMRE final approval ATP issued (9/26/18) and reissued (11/27/18) - Construction started (November 2019)

Location: Jefferson County, Alabama

Requested AML Pilot Funding: \$750,000

Additional Funding: \$1.2 million from traditional Title IV AML funds to address physical hazards and \$1.3 million from other sources

AML Site Info: Priority 1, 2, and 3 previously reclaimed

Project Partners: City of Vestavia Hills

This project will improve and expand the Sicard Hollow Athletic Complex and Park that was established as a recreational space by the City of Vestavia Hills on a reclaimed AML site. Currently the site features soccer facilities, trails, a playground, a splash pad, and a pavilion. AML Pilot funds will be used to continue improvements to the park which will include the addition of a turn lane into the park, parking improvements with 100 additional spots, addition of an 300 seat amphitheater and covered stage, installation of an additional 50 person pavilion, public wi-fi access, and the addition of a multi-purpose athletic court. When completed, visitation is expected to increase from the current 156,000 visitors per year.

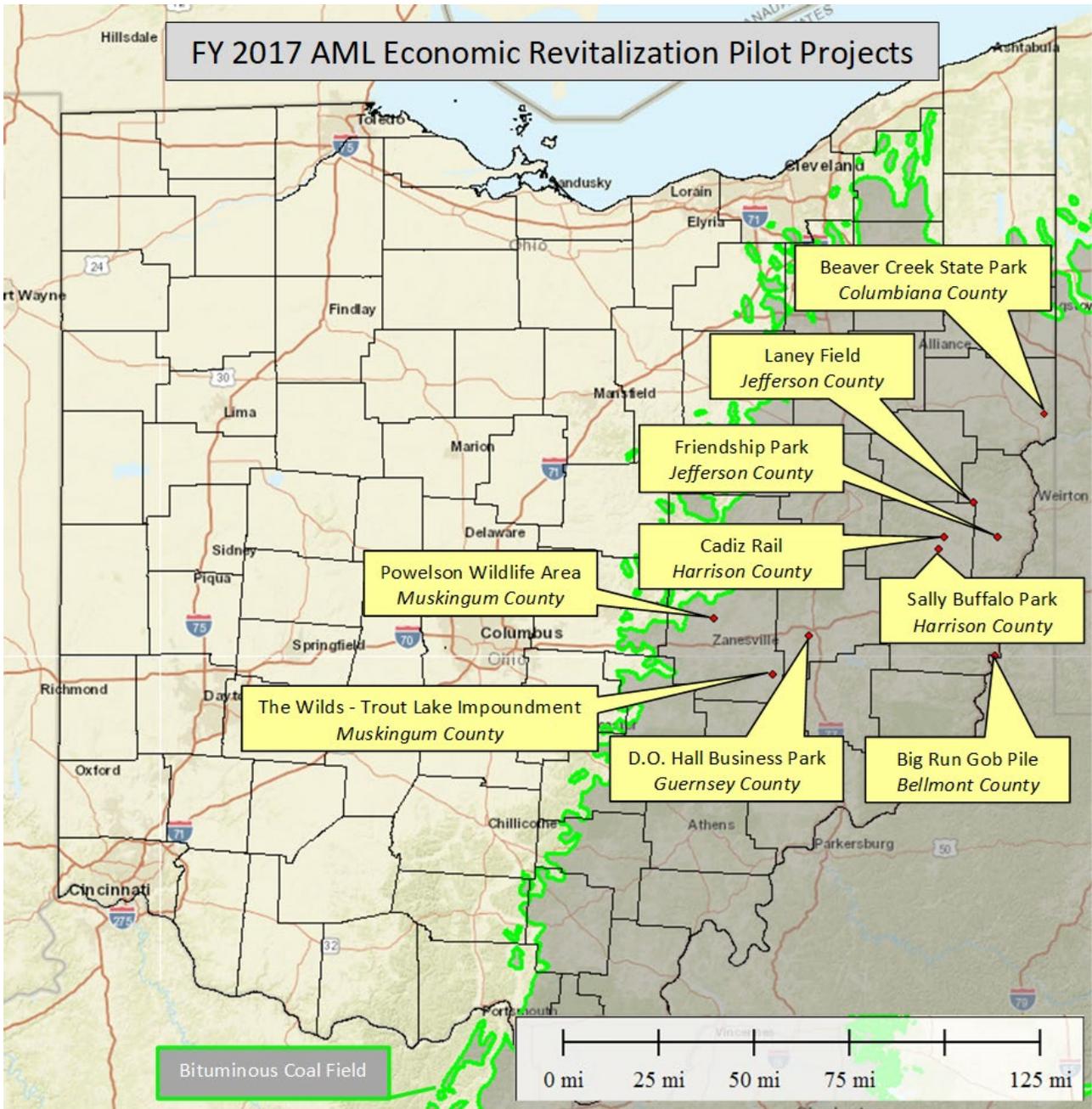


Site preparations of Sicard Hollow Park
Photo Credit: Alabama Department of Labor

FY 2017 Ohio

Since the previous AML Pilot Report, Ohio submitted 2 additional project applications to use FY 2017 Pilot funds for a total of 10 projects that have received OSMRE’s preliminary approval. As of November 30, 2019, Ohio tabled 1 of the 10 projects and 9 projects are currently active and have been awarded a portion of the available \$10 million. If applicable, changes in active projects and revisions to pilot funding requests from the previous Pilot Report are marked as an “Update” for each project in the list below.

Located across six counties in eastern Ohio, the nine active preliminarily approved AML Pilot projects include six outdoor recreation projects, two industrial construction projects, and one infrastructure improvement project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: hundreds of jobs created through industrial and commercial development; future development opportunities through sustaining rail infrastructure; and revenue generated from new visitors to outdoor recreation activities such as camping, youth sports, and hunting. In addition, the pilot projects have the potential to leverage an additional \$1.6 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information on the Ohio AML program can be found through the [Ohio Department of Natural Resources - Division of Mineral Resources](#).



Map of active projects in Ohio receiving FY 2017 AML Pilot funds

Big Run Gob Pile

Status: Preliminary OSMRE approval (3/1/18)

Location: Belmont County, Ohio

Requested AML Pilot Funding: \$3.9 million

Additional Funding: \$1.45 million from FirstEnergy and \$14 million from by Jobs Ohio

AML Site Info: Priority 1 and Priority 3 unreclaimed

Project Partners: JobsOhio and PTT Global Chemical America (PTTGCA)

This project will reclaim 25 acres of mine waste material in preparation for the construction of a global scale petro-chemical plant. Reclamation will aid in the development of a 400- to 500-acre facility necessary to build a \$6 billion-dollar ethane cracker plant. The plant would use locally sourced raw petroleum liquids and would create hundreds of well-paying jobs. In addition, thousands of jobs are expected to be created for the construction and support of the plant.



Future building site of the ethane cracker plant at the Big Run Gob Pile Project Site

Beaver Creek State Park - Added since the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (6/24/19) - OSMRE final approval ATP issued (6/28/19)

Location: Columbiana County, Ohio

Requested AML Pilot Funding: \$844,269

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: Beaver Creek State Park, Little Beaver Creek State Wild and Scenic River Advisory Council, and the North Country Trail Association

Update: Project added to FY 2017 AML Pilot grant due to the availability of funding

This project will reclaim 21 acres within the Beaver Creek State Park to serve as new area for recreational use. This will include a 6-space parking lot (2,700 square feet), 840 ft of new trail, 660 ft of fencing (at an overlook), construction of two kiosks, and improvement of an additional 400 ft of trail. With these improvements, visitation and camping in the park are expected to increase.

Cadiz Rail Highwall

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (3/29/18)

Location: Harrison County, Ohio

Requested AML Pilot Funding: \$627,924

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed
Project Partners: OMEGA and ODNR DMRM AML

This project will reclaim a dangerous high wall in order to improve the reliability and safety of the adjacent active railroad line and county road. Slips, sloughing, and erosion are evident along the highwall which have posed threats to the railroad and roadway. The railway currently provides up to 60 cars a day of stabilized condensate and coal to the Midwest Utica Terminal which maintains employment for 30 – 35 employees. This improvement will also provide potential future development for increased use with the addition of another rail line to a proposed landfill.

D.O. Hall Business Center Mine Stabilization

Status: Preliminary OSMRE approval (5/24/18) - OSMRE final approval ATP issued (12/4/18) - Construction started (3/11/2019)

Location: Guernsey County, Ohio

Requested AML Pilot Funding: \$1.4 million

Additional Funding: \$150,000 from Cambridge/Guernsey County Community Development Corporation (CIC)

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: Rural Action, and the Cambridge/Guernsey County Community Development Corporation (CIC).

The project will stabilize 4 acres currently situated over underground mines within the D.O. Hall Business Center. Once stable, this will allow further development into a 9-acre parcel within the area. Five businesses that employ a total of 370 individuals currently occupy 107 acres of the Business Center. The 9 acres made available by this project are expected to create 74 jobs with \$5.8 million in facility capital costs. The Business Center is exploring expansion of one tenant into this and an adjacent area with a decision to be made in spring 2020.

Friendship Park Highwall

Status: Preliminary OSMRE approval (3/1/18)

Location: Jefferson County, Ohio

Requested AML Pilot Funding: \$1.2 million

Additional Funding: \$8,269 from other sources

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: Friendship Park District, Jefferson County Commissioners, Ohio Mid-Eastern Governments Association, and the Ohio Public Works Commission (Clean Ohio Conservation)

This project will reclaim over 27 acres within Friendship Park in order to increase usable acres for visitors. The reclaimed acres will be used to establish native grassland which are a rarity in eastern Ohio. This attraction of new habitat is expected to result in an increase to park attendance as well as being well suited for academic research. Visitors will also experience improved safety within the park once the AML hazards have been removed. Activities in the park include camping, boating, fishing, picnicking, and hunting.

Laney Field Highwall

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (9/17/19)

Location: Jefferson County, Ohio

Requested AML Pilot Funding: \$284,392

Additional Funding: \$16,500 from other sources

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: East Springfield Baseball Association

Update: Requested AML Pilot funding increased from \$103,000 to \$284,392 and additional funding decreased from \$35,000 to \$16,500

This project will regrade several AML sites to allow the creation of a multi-use sports field that is adjacent to the current local baseball field. The new field would be used for a number of sports including soccer, baseball, and various other sports and recreational opportunities. The additional field space would reduce conflicts at the existing field and increase the number of practices/games that can occur at the same time. It is anticipated that 20-40 T-ball games and 50-100 soccer games will use the field per year. Benefits of this project include the expansion of local youth sport options, additional opportunity for local businesses to sponsor teams, generation of concessions stand sales, and attracting visitors to East Springfield.

Marcoll Mine Shaft and Facilities - Tabled as of the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (3/1/18) – Tabled by Ohio

Location: Monroe County, Ohio

Requested AML Pilot Funding: N/A – Originally requested \$1.8 million

Additional Funding: N/A

AML Site Info: Priority 1 unreclaimed

Project Partners: Energy Storage Ventures and PTT Global Chemical America

This project has been tabled by Ohio but originally proposed to reclaim 70 acres including an abandoned mine shaft and associated structures in order to clear land for future development. This site would attract industrial development and businesses that would create local jobs that support the distribution of petroleum products. High producing oil and gas fields, pipelines, and a proposed Ethane Cracker plant are located nearby and access to the site would be possible via access to Ohio State Route 7, a railroad line, and the Ohio River.

Powelson Wildlife Area Highwalls

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (5/21/18) - Construction started (9/30/2018)

Location: Muskingum County, Ohio

Requested AML Pilot Funding: \$4 million

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: ODNR DOW

This project will reclaim over 13,000 ft. of dangerous high walls for the purpose of increasing visitation through improvements in hunting opportunity. This will be accomplished through the conversion of up to 137 acres to diverse habitats that are not currently found within the Powelson Wildlife Area. These habitats will be able to better manage game species including wild turkey, dove, and wood duck. Removal of the highwalls will also increase safe access to the area for local hunting groups, educational programs, and specialty hunts for handicapped individuals.

Sally Buffalo Park (Phase 2)

Status: Preliminary OSMRE approval (3/1/18) - OSMRE final approval ATP issued (3/12/18) - Construction started (6/25/2018)

Location: Harrison County, Ohio

Requested AML Pilot Funding: \$631,176

Additional Funding: \$250,000 from Sally Buffalo Park Development

AML Site Info: Priority 1 and Priority 2 unreclaimed

Project Partners: OMEGA, Village of Cadiz, Sally Buffalo Park Board, ODNR DMRM AML

Update: Requested AML Pilot funding decreased from \$707,364 to \$631,176 and additional funding decreased from \$251,500 to \$250,000

This project will reclaim a dangerous high wall to provide a scenic view and provide space to add 46 additional campsites to the Sally Buffalo Park which is owned and operated by the city of Cadiz. Currently the park has 245 camp sites and 30-amp electrical service for RVs. The 46 new camp sites are expected to be built in 2021 and will be used for primitive camping until new electrical service is run to the area providing 50-amp RV electric hookups. The additional camp sites and improved electrical service is expected to increase visitation and generate an additional \$100,000 in annual revenue.

The Wilds - Trout Lake Impoundment - Added since the FY 2016 – FY 2018 Pilot Report

Status: Preliminary OSMRE approval (6/6/19) - OSMRE final approval ATP issued (8/13/19) - Construction started (8/21/2019)

Location: Muskingum County, Ohio

Requested AML Pilot Funding: \$313,788

Additional Funding: \$75,000 from The Wilds

AML Site Info: Priority 1 and Priority 3 unreclaimed and previously reclaimed

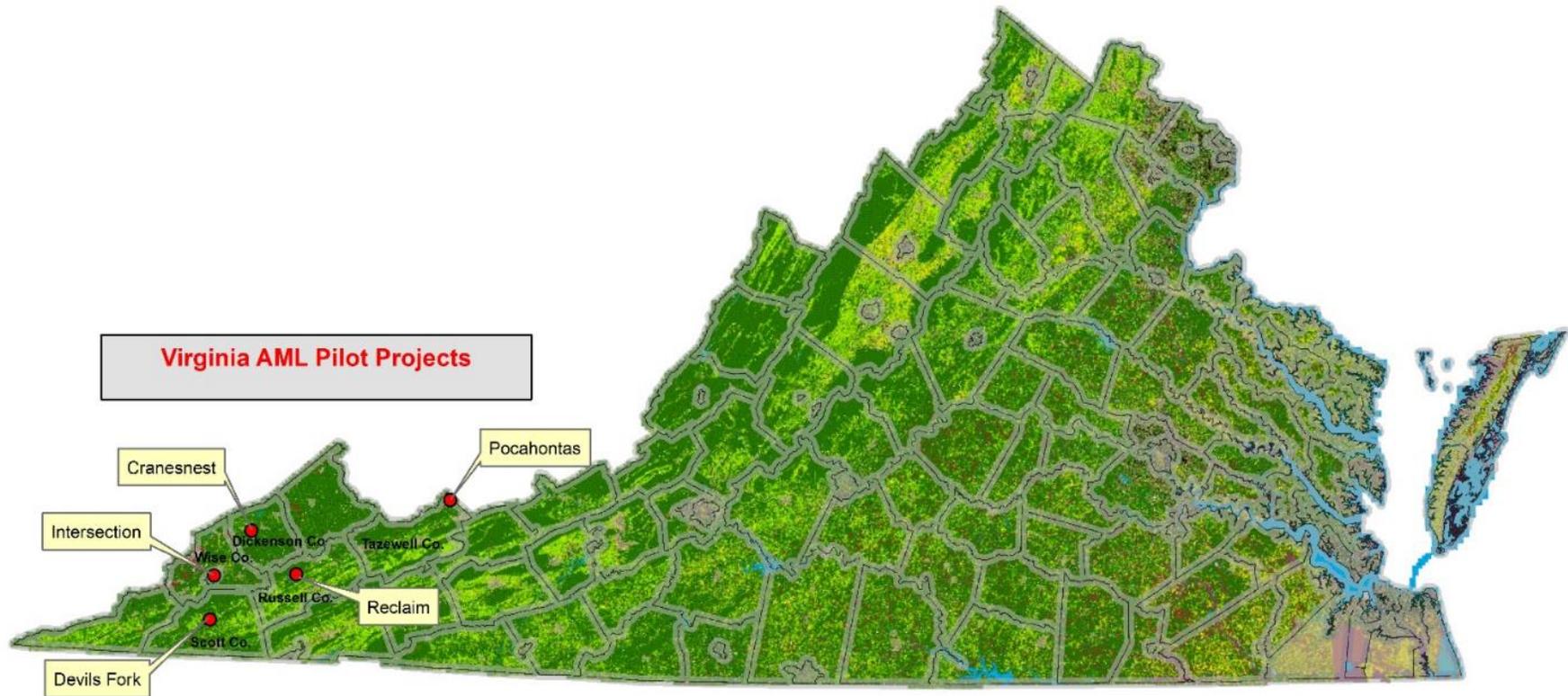
Project Partners: The Wilds

Update: Project added to FY 2017 AML Pilot grant due to the availability of funding

This project will create 850 feet of roadway and repair a previously reclaimed impoundment to prevent erosion of the Trout Lake Dam within The Wilds (non-profit conservation center). Failure of the dam would result in devastating effects to the parks ability to run tours which serves 120,000 visitors annually and employs 200 people. The new road would also allow for access to areas that will be developed in the future.

FY 2017 Virginia

As of November 30, 2019, Virginia had submitted a total of five projects to use FY 2017 AML Pilot Funds that all received preliminary approval by OSMRE and are eligible to use a portion of the available \$10 million. Located across five counties in southwestern Virginia, the five preliminarily approved AML Pilot projects include two outdoor recreation projects, two industrial construction projects, and one visitor attraction project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: 267 acres of industrial ready building sites; increased tourism to local attractions; construction and improvement of 8.3 miles of trails; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$0.50 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Virginia Division of Mined Land Reclamation](#).



Map of active projects in Virginia receiving FY 2017 AML Pilot funds

Project Reclaim

Status: Preliminary OSMRE approval (5/25/18) - OSMRE final approval ATP issued (11/7/18) - Construction started (3/1/2019)

Location: Russell County, Virginia

Requested AML Pilot Funding: \$3.2 million

Additional Funding: Land donated by The Russell County Reclamation, LLC with a value of \$1,105,500

AML Site Info: Priority 1, 2, 3, and 5; unreclaimed and previously reclaimed

Project Partners: Russell County Reclamation, LLC and Russell County Industrial Development Authority

This project will backfill and grade a 32-acre gob pile and repurpose adjacent lands to create a 67-acre regional industrial site. Removal of gob material will be completed as a no-cost AML enhancement reclamation. Proximity to infrastructure that will remain, be repurposed, and otherwise available to support the new industrial site will include: 25,000 linear feet of existing rail siding, access to a 69 kV electric distribution line, electric substations, over 1.75 miles of gravel road, four access points with two bridges over Dumps Creek, redundant sources of water supply and natural gas. Three industrial projects have expressed interest in the site once reclamation is completed.



Project Reclaim site

Photo Credit: Virginia Division of Mined Land Reclamation

Cranesnest Trail and Portal Closure Project

Status: Preliminary OSMRE approval (3/29/18) - OSMRE final approval ATP issued (11/15/19)

Location: Dickenson County, Virginia

Requested AML Pilot Funding: \$711,100

AML Site Info: Priority 1 and Priority 3 unreclaimed and previously reclaimed

Project Partners: Dickenson County

The project will consist of closure of nine old mine portals and converting 3,000 feet of the access road to a multiuse recreation trail. Additionally, 1,500 feet of new trail and a bridge across Holly Creek will be constructed so that a connection can be made to the existing Cranesnest Trail. The connection will allow the Cranesnest Trail to be connected to the road system serving the Cranesnest Campground and the Boat Ramp on Flannagan Reservoir and position the trail for further expansion on Flannagan Reservoir.

Pocahontas Exhibition Mine and Museum (Phase 1)

Status: Preliminary OSMRE approval (3/29/18) - OSMRE final approval ATP issued (2/6/19) - Construction started (7/10/2019)

Location: Tazewell County, Virginia

Requested AML Pilot Funding: \$1.5 million

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Town of Pocahontas, Tazewell County Board of Supervisors, Tazewell County Tourism, Cumberland Plateau Planning District Commission, and Thompson & Litton, Inc.

Update: The estimated increase in visitation has been divided between the phase 1 and phase 2.

This project will refurbish the Pocahontas Exhibition Mine and Museum which lies near the Spearhead and Hatfield-McCoy Off-Road Trail Systems. With the renovation, new visitors will be attracted to the Exhibition Mine and Museum from the nearby trails. It is expected to result in a 30% increase in ticket sales in the first year, generating an estimated \$50,460 in revenue. A second phase of this project will include additional mine improvements, addition of a tram stop including an on-site eatery, and reclamation of abandoned mine land adjacent to the site for use in commercial business.

Project Intersection (Phase 1)

Status: Preliminary OSMRE approval (3/30/18) - OSMRE final approval ATP issued (4/22/19)

Location: City of Norton, Virginia

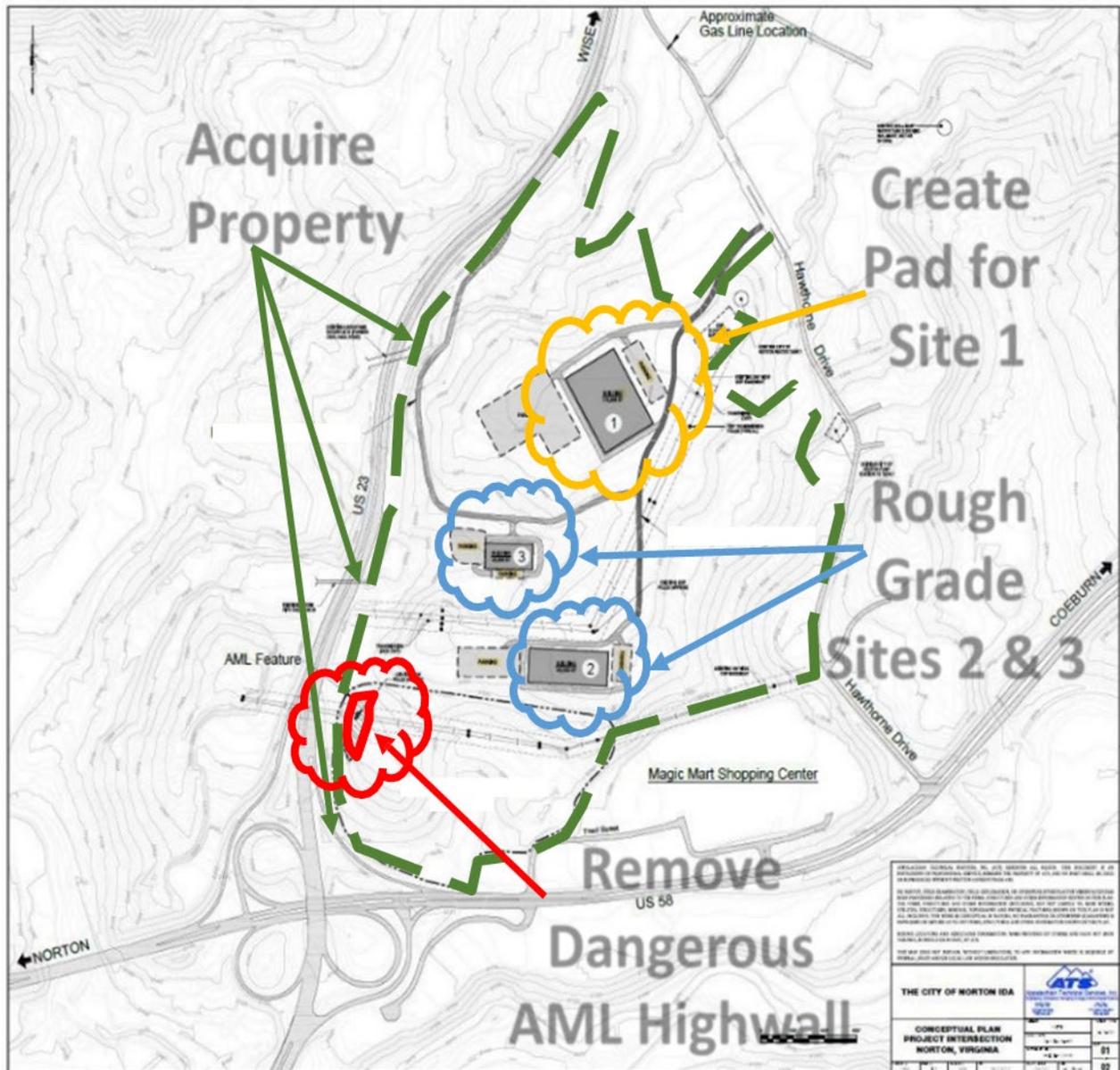
Requested AML Pilot Funding: \$3.5 million

Additional Funding: \$1.25 million from the Virginia Tobacco Commission

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Industrial Development Authority of the City of Norton, Regional Industrial Facilities Authority, and the Virginia Tobacco Commission

This project is the first phase in the creation of 200 acres of desirable and highly visible industrial property with three building pads. This phase involves the purchase of the 200 acres, reclamation of an unstable highwall, rough grading for industrial pads (sites 2 and 3), and construction of a 175,000 square foot shell building. This building has generated a letter of interest that estimates the creation of 63 jobs in 3 - 4 years. Future phases include site development for two additional industrial buildings (100,000 and 45,000 square feet) in addition to 1 mile of access roads and additional infrastructure (4,000 linear feet for water and sewer lines, and the deployment of broadband, natural gas, electric service).



Proposed work for Phase I of Project Intersection

Upper Tennessee River Roundtable – Devil’s Fork Project

Status: Preliminary OSMRE approval (3/29/18) - OSMRE final approval ATP issued (5/23/18)

Location: Scott County, Virginia

Requested AML Pilot Funding: \$88,302

Additional Funding: \$172,350 from other sources

AML Site Info: Priority 2 and Priority 3 unreclaimed

Project Partners: U.S. Forest Service, Friends of SW Virginia, Scott County, and Appalachian Voices

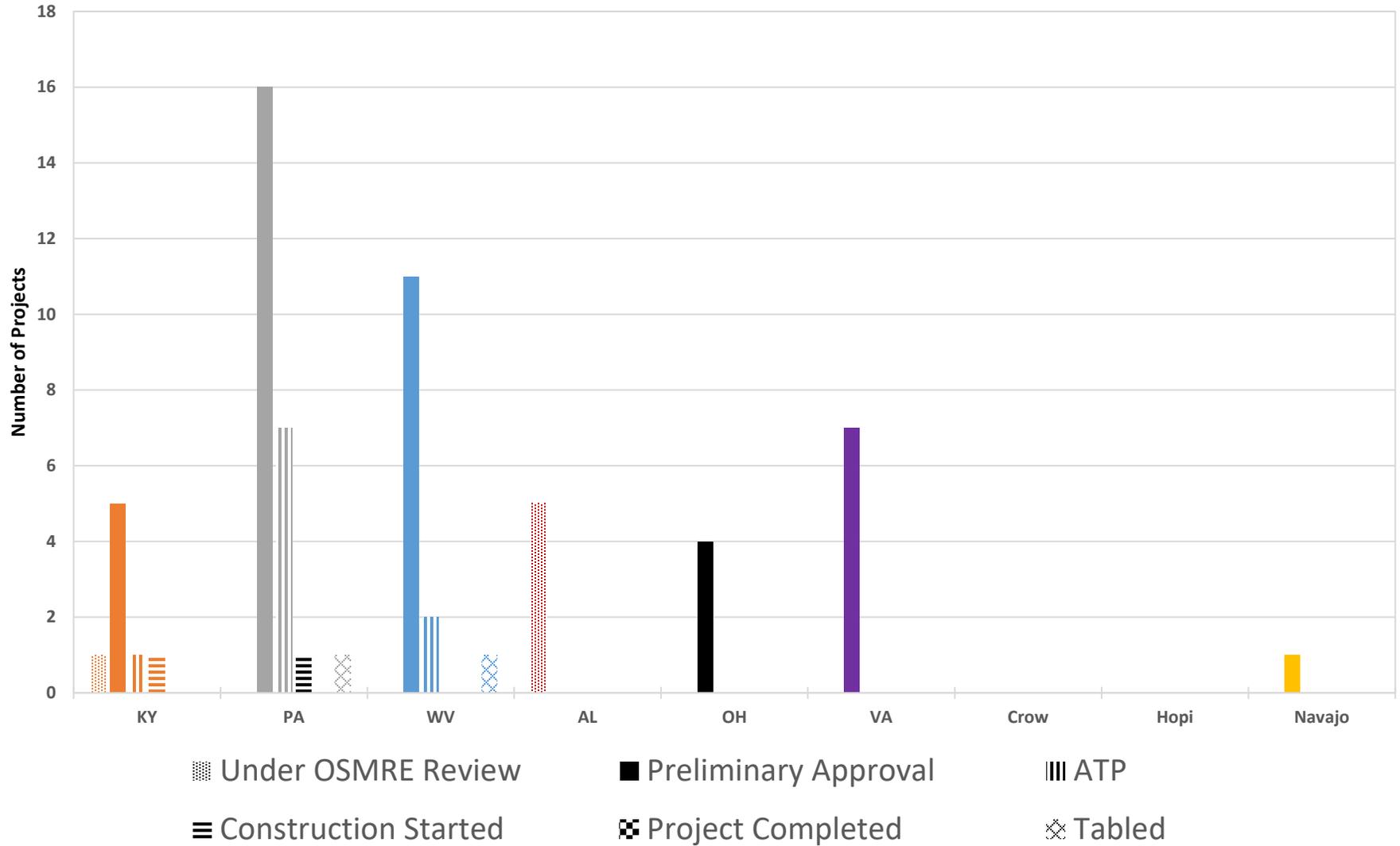
This project will enhance the Devil's Fork Loop Trail through development of a new parking lot, trail improvements, and mitigation of two adjacent mine portals. The 7.3-mile trail is the primary access to the famous Devil's Bathtub and Three Forks waterfall and currently is not equipped to handle peak visitation of 800 - 1000 visitors per weekend.

V. Implementation of the FY 2018 AML Pilot Program

OSMRE released the *FY 2018 AML Pilot Guidance Document* to stakeholders on September 14, 2018. This guidance document was developed by OSMRE to assist the states in their selections of projects and reflected several improvements from the previous year. The guidance document outlined general criteria by which potential projects should be evaluated for eligibility and successful selection, as well as suggested means by which projects could meet the economic and community development nexus criteria. Updates to the guidance document for FY 2018 included reporting requirements and instruction for the purchase of real property.

OSMRE facilitated a meeting on October 30, 2018, in Colorado with tribal AML Program staff from the Crow Tribe, Hopi Tribe, and the Navajo Nation to introduce and provide guidance on the AML Pilot Program. A follow-up meeting was held on December 18, 2018, with state and tribal AML Program staff from Kentucky, Pennsylvania, West Virginia, Alabama, Ohio, Virginia, Crow Tribe, Hopi Tribe, and the Navajo Nation to address questions and discuss changes and clarifications from the previous year. OSMRE notified eligible states and tribes on May 22, 2018, that their AML Pilot funding was available, and they could prepare grant applications. As of November 30, 2019, OSMRE has awarded FY 2018 AML Pilot Grants to Pennsylvania (\$25 million in December 2018), Kentucky and West Virginia (\$25 million in January 2019), Ohio (\$10 million in January 2019) Alabama (\$10 million in February 2019), and Virginia (\$10 million in August 2019). OSMRE anticipates that FY 2018 AML Pilot grant applications from the tribes will be submitted in the coming months. Between November 30, 2018 and November 30, 2019, no projects using FY 2018 Pilot funds were completed (*Figure 6*).

Figure 6: Status of FY 2018 AML Pilot Projects



FY 2018 Kentucky

As of November 30, 2019, Kentucky had submitted a total of 10 projects to use FY 2018 AML Pilot Funds. One project did not meet the AML Pilot eligibility criteria and four projects were under review by OSMRE (one of which is included in this report). OSMRE issued preliminary approval to the remaining five projects which are eligible to use a portion of the available \$25 million. Located across four counties in eastern Kentucky, the five active preliminarily approved AML Pilot projects include, two industrial construction projects, one professional development/training project, one outdoor recreation/town development project, and one infrastructure development project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased tourism; workforce training for 30 students annually; nearly 1,200 new jobs created; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$1 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Kentucky Energy and Environment Cabinet](#).

1. Project Core - Perry County
2. Beattyville Connect - Lee County
3. Big South Fork Scenic Railway Slide Repair - McCreary County
4. Eastern Kentucky Advanced Manufacturing Institute (e-KAMI) Prison Reform - Morgan County
5. Martin County Water System Improvements - Martin County
6. Outdoor Venture Corporation Expansion - McCreary County



Map of projects in Kentucky under OSMRE review and with preliminary approval receiving FY 2018 AML Pilot funds

Project Core

Status: Preliminary OSMRE approval (5/2/19) - OSMRE final approval ATP issued (10/11/19) - Construction started (10/12/2019)

Location: Perry County, Kentucky

Requested AML Pilot Funding: \$6.5 million

Additional Funding: \$3.6 million from the Perry County Fiscal Court and \$14.3 million from Dajcor Aluminum Ltd.

AML Site Info: Priority 3 unreclaimed

Project Partners: Perry County Fiscal Court and Dajcor Aluminum Ltd.

This project will provide a new aluminum extrusion press needed for Dajcor Aluminum Ltd. to move into the Coalfield Regional Industrial Park (funded by the FY 2017 Pilot Program). An estimated 220 jobs are expected to be created and Dajcor plans to hire local talent including candidates trained at the Eastern Kentucky Advanced Manufacturing Institute (eKAMI) (funded by the FY 2016 and 2017 Pilot Program). Parts produced by Dajcor can be utilized by SilverLine who occupies an industrial building in the Marion Branch Industrial park (funded by the FY 2016 Pilot Program).



Portion of the Aluminum Extruder Being Assembled
Photo Credit: Kentucky Division of Abandoned Mine Lands

Beattyville Connect

Status: Preliminary OSMRE approval (11/15/19)

Location: Lee County, Kentucky

Requested AML Pilot Funding: \$1.25 million

Additional Funding: \$35,000 from the City of Beattyville

AML Site Info: Priority 3 unreclaimed

Project Partners: City of Beattyville

This project is proposing to purchase 10 acres to develop a hiking/biking trail head along Crystal Creek. The trail head will include bathrooms, picnic pavilion, playground, bike racks, bike wash station, mountain bike ramps, parking area, interpretive signs, and a passive acid mine drainage treatment facility. Additionally, the project would construct 0.8 mile of sidewalk, apply asphalt to 0.5 mile of road/trail, and develop the Town Square to serve as a venue for markets and performances. These improvements are estimated to create 115 jobs (construction and business startups), 20% increase travel expenditure over 5 years, 30 % increase in vendors and visitors to the Town Square over 2 years, 4-5 jobs within 2 years on Main St, and occupancy of 2 vacant commercial spaces within 3 years.

Big South Fork Scenic Railway Slide Repair

Status: Under review for OSMRE's preliminary approval as of November 30, 2019

Location: McCreary County, Kentucky

Requested AML Pilot Funding: \$1.5 million

AML Site Info: Priority 3 unreclaimed

Project Partners: McCreary County Heritage Foundation, Inc.

This project will reclaim a landslide that is impacting 400 linear feet of rail line that is part of the Big South Fork Scenic Railway. Restoring rail access will increase ridership of the Big South Scenic Railway by 25% (5000 visitors with annual revenue of \$145,000), restore 50% of visitors to the Big South Fork National River and Recreation Area (estimated 380,000 annual visitors), and increase in sales at the Blue Heron area gift shop by 70%. A pedestrian walkway may also be added across a railroad bridge to give an estimated 1,500 (annually) bicyclers access to 10 miles of old railroad bed.

Eastern Kentucky Advanced Manufacturing Institute (eKAMI) Prison Reform

Status: Preliminary OSMRE approval (9/4/19)

Location: Morgan County, Kentucky

Requested AML Pilot Funding: \$3.4 million

Additional Funding: \$1.4 million from the Appalachian Regional Commission

AML Site Info: Priority 3 unreclaimed

Project Partners: Appalachian Regional Commission, Kentucky Department of Corrections, and the East Kentucky Advanced Manufacturing Institute

This project is an extension of the eKAMI Pilot Project (funded by the FY 2016 and 2017 Pilot Program) that constructed a training center to train 200 - 300 students per year in the use of advanced manufacturing equipment. This new project is proposing to build a training facility adjacent to the Eastern Kentucky Correctional Complex (a medium security facility) that could train up to 30 inmates per year. This project is expected to create additional jobs at the new training facility and provide inmates the opportunity for employment following incarceration. This is expected to reduce recidivism, which would save the prison system an estimated \$300,000 annually.

Martin County Water System Improvements

Status: Preliminary OSMRE approval (8/15/19)

Location: Martin County, Kentucky

Requested AML Pilot Funding: \$2 million

AML Site Info: Priority 2 unreclaimed

Project Partners: Martin County Water District

This project proposes to improve local water infrastructure that will serve the Eastern Kentucky Business Park, Big Sandy Regional Airport, Big Sandy U.S. Penitentiary, and approximately 100 households. Infrastructure to be added includes a 400 gallon per min pump station, 250,000-gallon storage tank, and 1,000 ft of new water line. The current facilities supported by the water provide 500 jobs, and with improvements to the water system, it is expected that new businesses will be attracted to the business park and could create up to 500 new jobs.

Outdoor Venture Corporation Expansion

Status: Preliminary OSMRE approval (6/7/19)

Location: McCreary County, Kentucky

Requested AML Pilot Funding: \$3.5 million

Additional Funding: \$2 million from the Outdoor Venture Corporation, \$2 million from USDA-REDLG funds, and \$1 million from a Community Development Block Grant

AML Site Info: Priority 3 unreclaimed

Project Partners: McCreary County Fiscal Court and Outdoor Venture Corporation

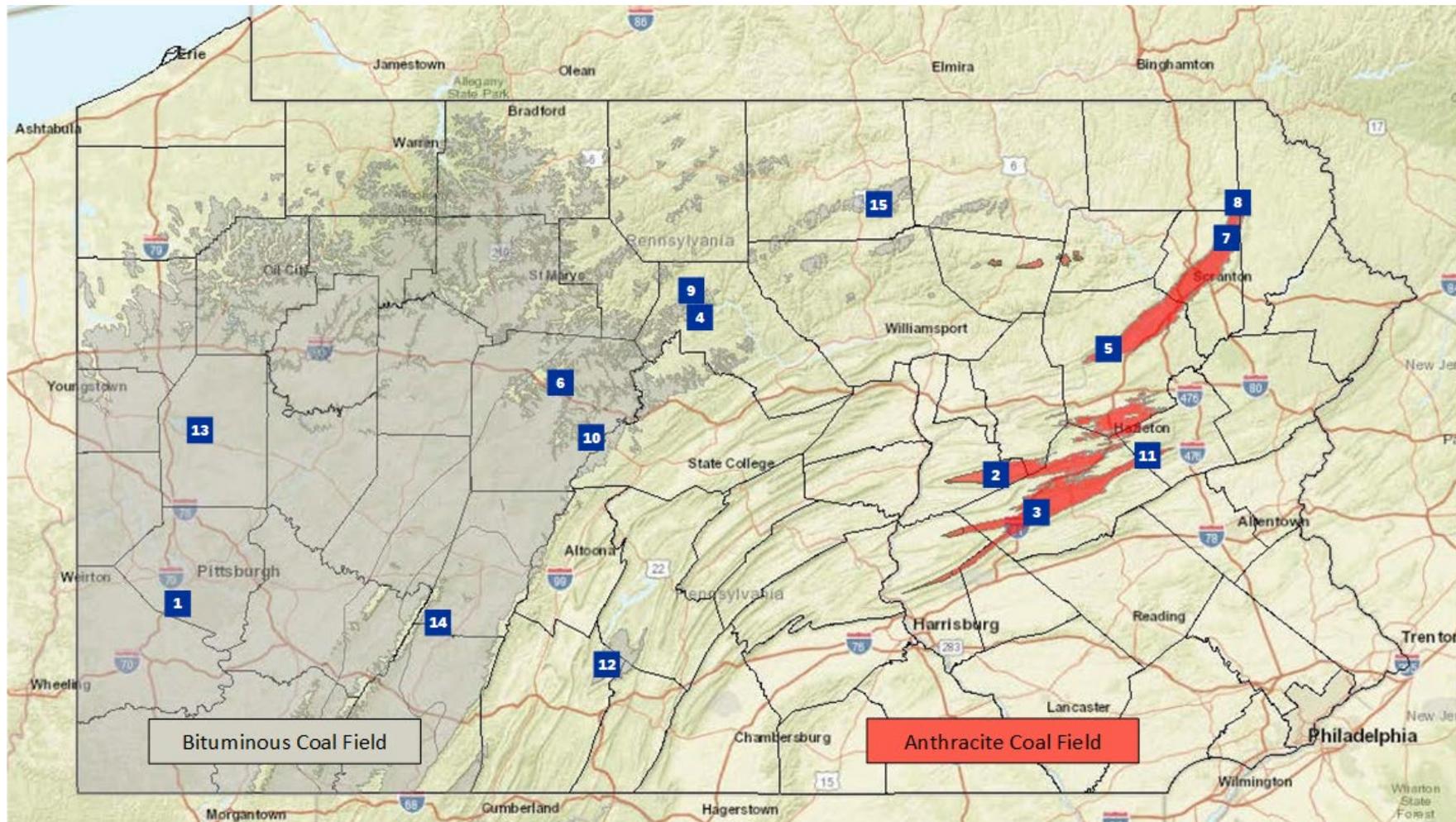
This project will provide industrial manufacturing equipment to the McCreary County Industrial Development Authority for use by the Outdoor Venture Corporation. This equipment will be used to produce state-of-the-art camouflage netting for the military. With this equipment, the Outdoor Venture Corporation is projected to create 150 jobs in the first 2 years and a total of 350 jobs in 10 years.



Outdoor Venture Corporation Expansion Site

FY 2018 Pennsylvania

As of November 30, 2019, Pennsylvania had submitted a total of 16 projects to use FY 2018 AML Pilot Funds that have all received preliminary approval by OSMRE and are eligible to use a portion of the available \$25 million. One of these projects has since been tabled by the state. Located in 15 counties across Pennsylvania, the 15 active AML Pilot projects include 11 outdoor recreation projects, 2 industrial/commercial developments, 1 infrastructure project, and 1 visitor attraction project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased visitation and improved experience for 130,000 visitors to the region; new opportunities for 5,000 students; nearly 6,000 new jobs created; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$1.4 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Pennsylvania Department of Environmental Protection](#).



- | | |
|---|---|
| 1. Presto-Sygan Acid Mine Drainage (AMD) Remediation at Newbury Market - Allegheny County | 9. Huling Branch East - Clinton County |
| 2. Anthracite Outdoor Adventure Area - Bear Valley - Northumberland County | 10. Morgan Run Recreational Facility - Clearfield County |
| 3. Anthracite Upland Pointing Dog Association - Schuylkill County | 11. No. 9 Coal Mine and Museum Complex / Dorrance Colliery - Carbon County |
| 4. Crowley Run Diversion - Clinton County | 12. Six Mile Run Restoration - Bedford County |
| 5. Earth Conservancy Bliss Bank 4 - Luzerne County | 13. Slippery Rock Watershed: AMD Treatment, Education and Recreation Project - Butler County |
| 6. Eden East Water Line - Clearfield County | 14. Stonycreek and Little Conemaugh River Improvement Project - Somerset and Cambria Counties |
| 7. Electric Street Development - Lackawanna County | 15. Tioga River Restoration - Morris Run Acid Mine Drainage Treatment Plant - Tioga County |
| 8. Forest City East - PA Fish and Boat Commission Access - Susquehanna and Wayne Counties | |

Map of active projects in Pennsylvania receiving FY 2018 AML Pilot funds

Presto-Sygan Acid Mine Drainage (AMD) Remediation at Newbury Market

Status: Preliminary OSMRE approval (3/18/19)

Location: Allegheny County, Pennsylvania

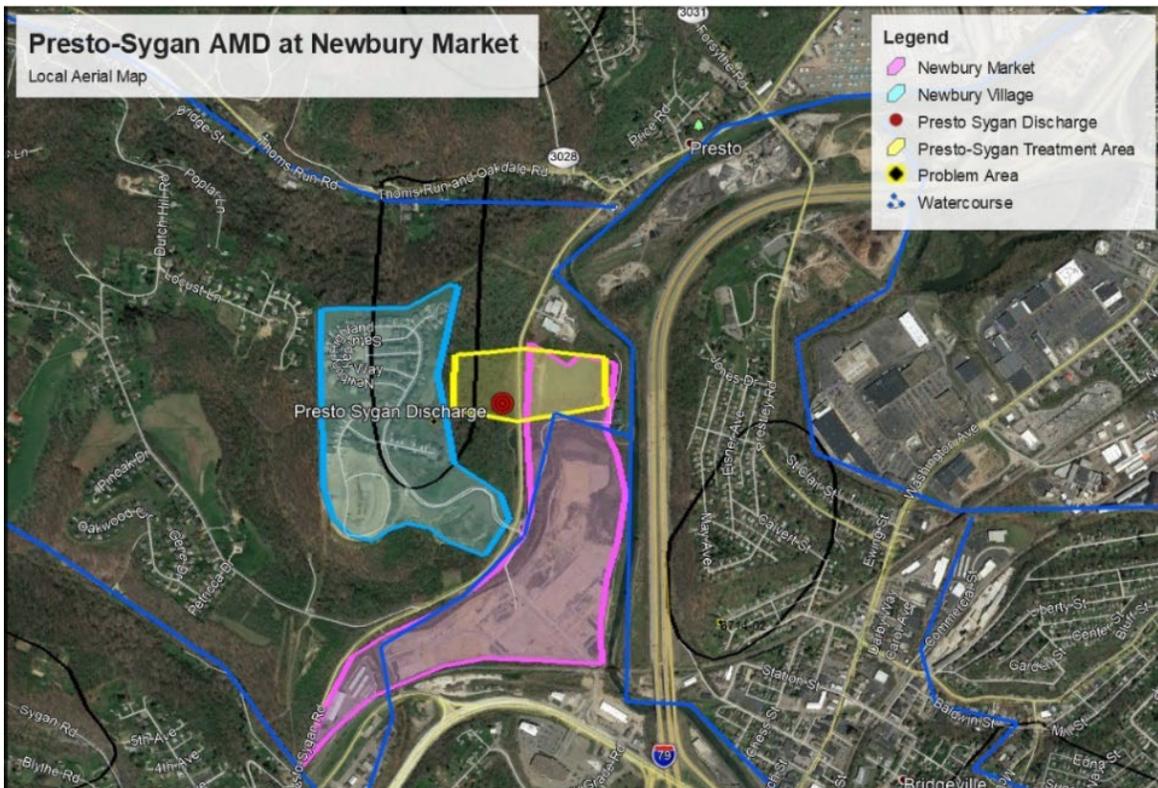
Requested AML Pilot Funding: \$1.49 million

Additional Funding: \$264,944 from other sources

AML Site Info: Priority 3 unreclaimed

Project Partners: Growing Greener, Newbury Development Associates, Biomost, Stream Restoration Inc., and Quality Aggregates, Inc.

This project will construct a passive AMD treatment system in conjunction the creation of Newbury Market, a \$500 million residential and commercial development. Significant economic impact is expected including the construction of 200 houses and the creation of 5,800 full time jobs. An additional 821 non-permanent and 636 support jobs are also projected to be created. Other aspects of the development include a hiking trail, over 10,000 linear feet of new sanitary sewer mains, over 12,000 linear feet of new water and gas lines, and over 7 miles of new local roads, including several new bridges. Plans include over \$10 million worth of improvements to the existing local and state highway infrastructure and estimate that \$64 million will be generated in state tax (payroll, sales, corporate, etc.).



Presto-Sygan Acid Mine Drainage (AMD) at Newbury Market Site

Anthracite Outdoor Adventure Area (AOAA) - Bear Valley

Status: Preliminary OSMRE approval (2/26/19) - OSMRE final approval ATP issued (3/25/19) -

Construction started (8/15/2019)

Location: Northumberland County, Pennsylvania

Requested AML Pilot Funding: \$2.5 million

Additional Funding: \$7.2 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 and 3 unreclaimed

Project Partners: Northumberland County and the AOAA Authority

This project will reclaim approximately 90 acres of AML to expand development of the Anthracite Outdoor Adventure Area (AOAA). The AOAA trail system will be expanded to include approximately 6,600 linear feet of extreme Jeep crawling trails and approximately 4,370 linear feet of Jeep/ATV/dirt bike trails. A parking lot (150 feet by 300 feet), helicopter pad (100'x100') for medical emergencies, and approximately 4,900 linear feet of improved roads for two-wheel drive vehicles will also be constructed. Currently, AOAA sells 30,000 passes per year and anticipates selling 37,500 passes annually after construction is completed.

Anthracite Upland Pointing Dog Association

Status: Preliminary OSMRE approval (4/24/19) - OSMRE final approval ATP issued (9/19/19)

Location: Schuylkill County, Pennsylvania

Requested AML Pilot Funding: \$450,000

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Schuylkill County Conservation District, Penn State University Stewardship, Penn State Schuylkill Campus, Chesapeake Watershed Stewardship, Ruffed Grouse Society, Pheasants Forever, PA Game Commission, PA Falconry Association, American Kennel Club, North American Versatile Hunting Dog Association, and the Williams Valley Jr./Sr. High School

This project will reclaim 10.6 acres of AML and seed an additional 18.2 acres to create 28.8 acres of habitat to attract birds for hunting. The site will be utilized for training hunting dogs and environmental education. It is anticipated that the site will be used for dog training 30 days per year with 40 participants for each event. The North American Versatile Hunting Dog Association (NAVHDA) Invitational plans to use the site to host 200 dogs and over 1,000 participants annually. In the off-season, the site would be used by 250 students annually for environmental education.

Cecil Township Municipal Park - Tabled

Status: Preliminary OSMRE approval (3/11/19) - OSMRE final approval ATP issued (4/16/19) - Tabled by Pennsylvania

Location: Washington County, Pennsylvania

Requested AML Pilot Funding: N/A – Originally requested \$1.9 million

Additional Funding: N/A

AML Site Info: Priority 2 unreclaimed and previously reclaimed

Project Partners: Cecil Township and ABB, Inc.

This project has been tabled by Pennsylvania but originally proposed to reclaim 26 acres of AML to clear the site for development of the Cecil Township public works building, a salt storage shed, and 3700 ft of walking trail. With the new public works building, Cecil Township would be able to hire six more employees (four full time and two part time) and increase the amount of work they do by approximately 42%. Cecil Township estimated that a potential 1,100 residents would use the trail annually.

Crowley Run Diversion

Status: Preliminary OSMRE approval (5/30/19)

Location: Clinton County, Pennsylvania

Requested AML Pilot Funding: \$1 million

Additional Funding: \$1 million from traditional Title IV AML funds to address physical hazards
AML Site Info: Priority 3 unreclaimed
Project Partners: Lock Haven University, PFBC, PSU-Hazleton, Clinton County Conservation District, and the Pennsylvania Department of Conservation and Natural Resources (DCNR)

This project will construct a 1-mile diversion channel for Crowley Hollow that will significantly improve water quality in the final 1.2 miles of the AMD impacted Cooks Run. Economic benefits include the creation of 30 temporary construction jobs and restoration of \$94,000 in lost annual revenue from trout fishing. As part of the Sproul State Forest, outdoor recreation opportunities are expected to increase visitation by 4% (approx. 7,000 visitors per year).

Earth Conservancy Bliss Bank 4

Status: Preliminary OSMRE approval (2/26/19)
Location: Luzerne County, Pennsylvania
Requested AML Pilot Funding: \$2.5 million
Additional Funding: \$823,852 from traditional Title IV AML funds to address physical hazards
AML Site Info: Priority 2 and Priority 3 unreclaimed
Project Partners: Earth Conservancy

This project will reclaim 31 acres of AML within the Bliss Bank Business Park for future development. Infrastructure to connect the expanded area to the rest of the business park will be added and includes installation of 1,600 linear feet of natural gas, water, electric, and sewer lines. These additions are expected to also improve reliability of the infrastructure on the original 220-acres of the business park. A new business that would move onto the 31-acre site is anticipated to sustain 124 jobs.

Eden East Water Line

Status: Preliminary OSMRE approval (7/29/19) - OSMRE final approval ATP issued (8/27/19)
Location: Clearfield County, Pennsylvania
Requested AML Pilot Funding: \$2.7 million
Additional Funding: \$1.56 million from traditional Title IV AML funds to address physical hazards
AML Site Info: Priority 2 unreclaimed
Project Partners: DCNR, D&L Realty, and the Lackawanna Heritage Valley Authority (LHVA)

This project will expand the Eden East Water Line Distribution System with infrastructure improvements that include installation of 30,000 linear feet of new water line and replacement of an additional 24,000 linear feet of water line. This expansion will improve water quality and provide potable water access for 38 households in Clearfield County, PA. Of the 38 homes, 25 currently have degraded and diminished water supplies that are a direct result of past coal mining operations.

Electric Street Development

Status: Preliminary OSMRE approval (7/29/19)
Location: Lackawanna County, Pennsylvania
Requested AML Pilot Funding: \$1.5 million
Additional Funding: \$410,000 from traditional Title IV AML funds to address physical hazards and \$90,000 from other sources
AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed
Project Partners: Covington Karthaus Girard Area Authority (CKGAA) and Goshen Township

This project will reclaim 24 acres of AML along the Lackawanna River and construct a 1-acre public outdoor recreation area. This will include a small parking area, 4,700 ft walking trail, and boat access to the river. It is estimated to attract 500-600 fishing enthusiasts and 15-20 boats/canoe/kayaks a day during highwater season. Special events and fundraisers would also use the site including the Steamtown Marathon which has 3,000 registered runners. The remaining acreage will be available for future business development and could create an estimated 20-30 full time jobs.



Spoil area on Electric Street Development Project Site

Forest City East - Pennsylvania Fish and Boat Commission (PFBC) Access

Status: Preliminary OSMRE approval (2/26/19) - OSMRE final approval ATP issued (8/28/19)

Location: Susquehanna and Wayne Counties, Pennsylvania

Requested AML Pilot Funding: \$1.5 million

Additional Funding: \$1.3 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Linde Corporation, PFBC, and Forest City Partnership LLC

This project will reclaim 55 acres of AML, re-stabilize 4,000 ft of riverbank for fishing access, and construct a public river access point managed by the PA Fish and Boat Commission. The river access will include a gravel road to a parking area and a canoe/kayak launch area. The site is projected to be used by 500-600 fisherman and 15-20 canoes and kayaks users per day during the high season. The Lackawanna River Corridor Association will also use the site for fundraisers twice a year that will draw hundreds of visitors.

Huling Branch East

Status: Preliminary OSMRE approval (2/26/19) - OSMRE final approval ATP issued (3/13/19)

Location: Clinton County, Pennsylvania

Requested AML Pilot Funding: \$3 million

Additional Funding: \$2 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 2 and 3 unreclaimed

Project Partners: DCNR and the American Chestnut Foundation

This project will reclaim 10 acres of AML within the Sproul State Forest to construct 3,650 linear feet of recreational ATV Trails, a rock obstacle course, a parking area, and a helicopter landing area for medical evacuations. Fundraisers, including Relay for Life, would also use the trail which could further increase visitation. In addition to ATV use, the reclamation will improve wildlife observation and fishing opportunities for visitors. Altogether, this project is estimated to increase visitation to Sproul State Forest by 4 % (approx. 7,000 visitors per year).

Morgan Run Recreational Facility

Status: Preliminary OSMRE approval (2/26/19) - OSMRE Final Approval - ATP issued (3/20/19)

Location: Clearfield County, Pennsylvania

Requested AML Pilot Funding: \$500,000

AML Site Info: Priority 2 and 3 unreclaimed

Project Partners: CenClear Child Services, Inc.

This project will reclaim 20 acres of AML including 1,700 linear feet of highwall within the Morgan Run Recreational Facility. The facility is utilized for educational and recreational opportunities by local youth groups and this project would increase safety for trails that previously existed on the property. New infrastructure being added includes 0.5 mile of new trails, an amphitheater, and a parking lot. Currently the facility serves 7,444 clients and staffs over 700. Additional development of the site will be possible in the future with completion of the reclamation.

No. 9 Coal Mine and Museum Complex/ Dorrance Colliery

Status: Preliminary OSMRE approval (2/26/19) - OSMRE final approval ATP issued (7/9/19)

Location: Carbon County, Pennsylvania

Requested AML Pilot Funding: \$1.38 million

Additional Funding: \$1.12 million from traditional Title IV AML funds to address physical hazards

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: No. 9 Coal Mine Museum and Pagnotti Enterprises, Inc.

This project will transport two steam engines and other historic mining equipment from the Dorrance Colliery to use as static displays at the No. 9 Coal Mine and Museum Complex. This project will enlarge the museum square footage and is estimated to increase visitation 15-20 % (approximately 1,350 visitors per year). The local economy is also expected to benefit from the increase in visitors to meet demand for restaurants, fuel, and lodging.

Six Mile Run Restoration

Status: Preliminary OSMRE approval (5/30/19)

Location: Bedford County, Pennsylvania

Requested AML Pilot Funding: \$350,000

Additional Funding: \$30,000 from Broad Top Township

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Broad Top Township

This project will provide maintenance for 35 existing AMD passive treatment systems over 3 years including monitoring the water and general repair of pipes/etc. The maintenance work will sustain three full time jobs. The treatment systems impact 9.2 miles of streams which the Pennsylvania Fish and Boat Commission has calculated to provide \$582,000 in annual revenue from recreation. The

Southern Alleghenies Planning & Development Commission has highlighted the favorable conditions the project will create for the community.

Slippery Rock Watershed: AMD Treatment, Education and Recreation Project

Status: Preliminary OSMRE approval (4/18/19)

Location: Butler County, Pennsylvania

Requested AML Pilot Funding: \$176,246

Additional Funding: \$921,932 from Growing Greener and \$285,037 from other sources

AML Site Info: Priority 3 unreclaimed

Project Partners: Growing Greener, Moraine, McConnells Mill and Jennings Commission, BioMost Inc., Butler County Chapter of North Country Trail Assoc, Jennings Environmental Education Center State Park, Moraine State Park, PA Game Commission State Game Lands No. 95, Slippery Rock Watershed Coalition, and Stream Restoration Inc.

This project will refurbish an abandoned schoolhouse for use as a museum and environmental education center as part of the Jennings Environmental Education Center (a Pennsylvania State Park). These renovations also include a parking lot and restroom facility. Additionally, this project will provide maintenance to a passive AMD treatment facility which is an educational focus of the State Park and is projected to provide \$553,830 per year in economic benefit through recreation. Maintenance will also be provided for 10 miles of the North Country Trail which includes four bridges. Altogether, this project is projected to improve the experiences of 80,000 visitors and 5,000 students per year.



AMD Treatment, Schoolhouse Renovations, and Trail improvements needed for Slippery Rock Watershed

Stonycreek and Little Conemaugh River Improvement and Reinvestment Project

Status: Preliminary OSMRE approval (5/8/19)

Location: Somerset and Cambria Counties, Pennsylvania

Requested AML Pilot Funding: \$1.9 million

Additional Funding: \$4.4 million from the USACE, \$2.36 million from the Foundation for PA Watersheds (PFW), \$1.76 million from Growing Greener, \$100,000 from DCED, \$100,000 from WCAP, \$25,000 from EPA, and \$861,000 from other sources

AML Site Info: Priority 2 and 3 unreclaimed and previously reclaimed

Project Partners: Growing Greener, Pennsylvania Department of Community and Economic Development (DCED), OSMRE Watershed Cooperative Agreement Program (WCAP), U.S. Army Corp of Engineers (USACE), Environmental Protection Agency (EPA), Foundation for PA Watersheds (PFW), Somerset Conservation District, Cambria Somerset Authority, Coal Tubin', Johnstown Wire Technologies, The Greater Johnstown Water Authority, Vision 2025, The City of Johnstown, Shade Creek Watershed Assoc, Cambria County Conservation and Recreation Authority

This project will enhance recreational opportunities in Johnstown and around the Quemahoning Reservoir by providing maintenance, improvements, and upgrades to several acid mine drainage (AMD) treatment systems. The resulting improvements to water quality and supply capacity of the Saltlick Reservoir are expected to allow additional housing or industrial development in the Johnstown Area. Pilot funds will also be used to construct 4 miles of mountain bike trail, and phase 1 of a small park that includes 500 ft of walkway. The bike trails are estimated to attract 12,000 - 15,000 visitors per year. Future additions to the park include a boardwalk, dock, and zipline.

Tioga River Restoration – Morris Run Acid Mine Drainage (AMD) Treatment Plant

Status: Preliminary OSMRE approval (5/29/19)

Location: Tioga County, Pennsylvania

Requested AML Pilot Funding: \$4 million

Additional Funding: \$8 million from other sources

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: DCNR, Conservation District, The Susquehanna River Basin Commission (SRBC), and The Tioga County Concerned Citizens Committee, Inc. (TCCCC)

This project will increase fishing and outdoor recreation along 20 miles of streams (18 miles of Tioga River, 1 mile of Coal Creek, 1 mile of Morris Run) with the construction of an AMD treatment plant. The area will see an influx of fisherman and boaters such as kayakers to enjoy the newly restored watershed which is estimated to generate \$875,000 per year in revenue for the local economy. In addition, the area may attract more hikers, outdoor enthusiasts, and businesses such as sporting goods stores. Access to the waterway is available via U.S. Route 15 which parallels the Tioga River.

FY 2018 West Virginia

As of November 30, 2019, West Virginia had submitted a total of 11 projects to use FY 2018 AML Pilot Funds that all received preliminary approval by OSMRE and are eligible to use a portion of the available \$25 million. One of these projects has since been canceled by the state. The 10 active preliminarily approved AML Pilot projects include 5 attraction/outdoor recreation projects, 4 infrastructure projects, and 1 agriculture project. Projects were selected for AML Pilot funding

based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: increased tourism by attracting approximately 30,000 visitors to the region; the construction of 16.5 miles of trails; approximately 115 new jobs created; improved infrastructure for 829 customers; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$0.50 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [West Virginia Department of Environmental Protection](#).

West Virginia FY 2018 Pilot Projects



Map Index	Project Name	County
1	Town of Bradshaw Sanitary Sewer Upgrade	McDowell
2	laeger Regional Sewer Project - Phase 1	McDowell
3	McDowell PSD Ashland/Crumpler (Elkhorn Creek)	McDowell
4	West Virginia Elk Restoration Project Visitor Center	Logan, Mingo
5	Ashland Resort Tourism Development Park	McDowell
6	Berwind Water Treatment Plant	McDowell
7	Ivy Branch Off Road Development Park Phase 2	Boone
8	Reclaiming the Cheat River as an Economic Asset through Trail Enhancement (RE-CREATE)	Preston
9	Vandalia: Highlands Conservation and Recreation	Tucker
10	Patriot Gardens Golden Delicious Apple Project II	Nicholas

Map of active projects in West Virginia receiving FY 2018 AML Pilot funds

Ashland Resort Tourism Development Park

Status: Preliminary OSMRE approval (3/5/19)

Location: McDowell County, West Virginia

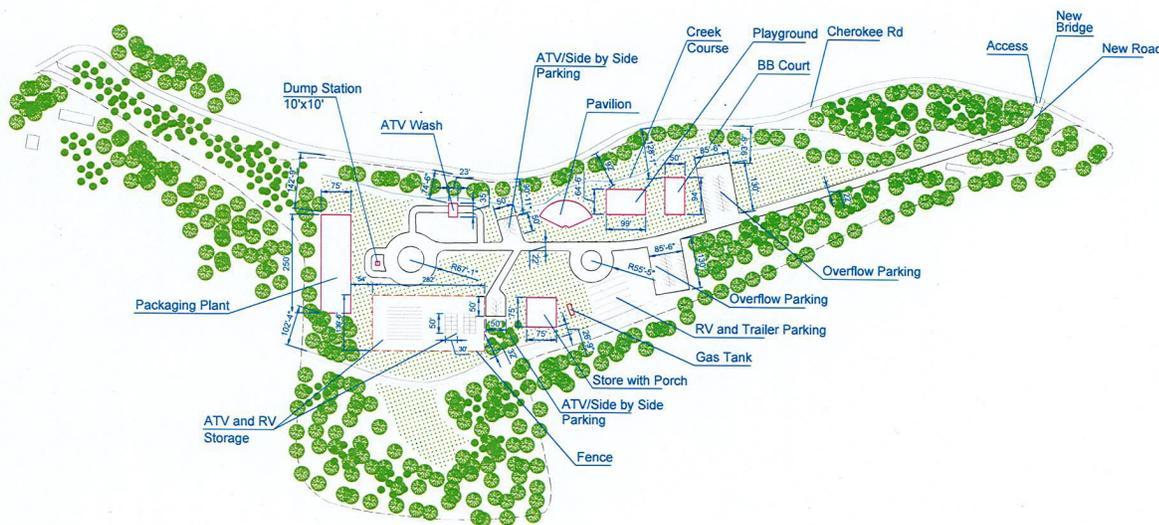
Requested AML Pilot Funding: \$2.3 million

Additional Funding: \$2.1 million from other sources

AML Site Info: Priority 2 previously reclaimed

Project Partners: Hatfield-McCoy Regional Recreation Authority, Ashland Resort, and Pioneer Community Bank

This project will utilize 17 acres of preciously reclaimed AML property to expand the Ashland Resort by adding 3 new lodges, a camp store, an outdoor entertainment complex, an ATV storage building, and a wastewater treatment facility and associated infrastructure. The new lodging and camp store are estimated to increase the number of annual ATV tourists by 1,200, increase the average length of stay by 5% (600 camper site nights), and have an annual economic impact of over \$2 million. The resort is expected to sustain its growth rate and add 25 jobs and 6,400 trail users in the next 3-5 years.



Design Plan for Ashland Resort Tourism Development Park

Ashland/Crumpler (Elkhorn Creek) Sewer Project

Status: Preliminary OSMRE approval (3/18/19)

Location: McDowell County, West Virginia

Requested AML Pilot Funding: \$4.1 million

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partner: McDowell Public Service District

This project will construct a new wastewater treatment plant and 4 miles of new sewer line to serve the communities of Ashland and Crumpler. It would provide service for 115 households (275 residents) and the Indian Ridge ATV Resort. Between 15 and 20 construction jobs are estimated to be created for this project. These communities are along the Hatfield-McCoy Trail and are missing economic opportunity to serve trail users with lodging and food services. It is estimated that 29 jobs could be created with businesses that could move in with the new sewer line to support the tourism industry that uses the trail.

Berwind Water Treatment Plant

Status: Preliminary OSMRE approval (4/4/19) - OSMRE final approval ATP issued (9/3/19)

Location: McDowell County, West Virginia

Requested AML Pilot Funding: \$238,000

Additional Funding: \$50,000 from other sources

AML Site Info: Priority 2 unreclaimed and previously reclaimed

Project Partners: Regional 1 planning and development council, and McDowell County EDA

This project will make improvements and repairs to the Berwind Water Treatment Plant, which provides clean water to 582 customers. The water treatment plant would also service Berwind Lake Park which is planning to increase the number of cabins it has to accommodate an increase in visitors from an extension of the Hatfield-McCoy Trail. Upgrades to the treatment plant are expected to create 15-20 temporary construction jobs and the economic impact of the cabins is estimated to result in an annual increase of 1,000 visitors, generate \$500,000 annually, and create 5 permanent jobs.

Cline YMCA Complex (Phase 2) - Tabled

Status: Preliminary OSMRE approval (4/2/19) - Tabled by West Virginia

Location: Raleigh County, West Virginia

Requested AML Pilot Funding: N/A – Originally requested \$4 million

Additional Funding: N/A

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: Cline Family Foundation and the Carter Family Foundation

This project has been tabled by West Virginia but originally proposed to construct part of a new YMCA Facility in Beckley, WV. The new facility would feature and include a gym, indoor track, pool, exercise studios, and a preschool. Additionally, access to an adjacent AML site would be blocked. This was estimated to create 75 temporary construction jobs and 12 new permanent jobs at the YMCA. Visitation to the facility was estimated to increase 18% (from 3,700 to 4,370 annually).

Iaeger Regional Sewer Project (Phase 1)

Status: Preliminary OSMRE approval (3/18/19)

Location: McDowell County, West Virginia

Requested AML Pilot Funding: \$1 million

Additional Funding: \$5.4 million from other sources

AML Site Info: Priority 2 and 3 unreclaimed and previously reclaimed

Project Partners: HUD-SCBG, WV IJDC, ARC, WVDEP, and HUD Small Cities Design Loan

This project will build a new wastewater treatment plant and 4.9 miles of new sewer line to serve the Town of Iaeger. It would provide service for 118 customers including 97 residential houses, 10 small commercial buildings, and eleven community customers (including Iaeger Elementary School which serves 263 students). An additional 25 jobs are expected to be created for construction, field staff, and the wastewater plant. This community is along the Hatfield-McCoy Trail and is missing economic opportunity to serve trail users with lodging and food services. It is estimated that 50 jobs could be created in Iaeger with businesses that could move in with the new sewer line to support the tourism industry that uses the trail.

Ivy Branch Off-Road Development Park (Phase 2)

Status: Preliminary OSMRE approval (3/5/19)

Location: Boone County, West Virginia

Requested AML Pilot Funding: \$1.3 million

AML Site Info: Priority 2 unreclaimed

Project Partners: Hatfield-McCoy Regional Recreation Authority

This project is the second phase of the Ivy Branch Off-Road Development, which purchased the 2,600-acre Ivy Branch Trail System through the FY 2017 Pilot program. This new phase for FY 2018 will construct 6 new cabins with utilities, a canoe and kayak launch, a 40-vehicle parking lot, and provide designs for the final site layout with future investment from multiple sources. The new cabins are expected to host 3,650 visitors per year who could generate \$547,000 for the local economy annually. It is estimated the canoe and kayak launch will be used by 10,920 visitors per year, which could generate \$598,000 for the local economy annually.

Patriot Guardens Golden Delicious Apple Production Project (Phase 2)

Status: Preliminary OSMRE approval (4/23/19)

Location: Nicholas County, West Virginia

Requested AML Pilot Funding: \$5 million

AML Site Info: Priority 2 and 3 unreclaimed and previously reclaimed

Project Partners: WV National Guard, Central Appalachia Empowerment Zone, USDA, and Pardee Natural Resources

This project is the second phase of the Patriot Guardens Golden Delicious Apple Production Project that will plant 97,000 trees and has constructed various facilities through the FY 2016 Pilot program. The new phase for FY 2018 will plant an additional 400,000 trees, add additional facilities, and establish beehives for pollination. Between 5 and 10 jobs will be created over 2 years with this initial project expansion. Further expansion of this site is expected to reach a total of 1 million trees and an estimated 379-481 jobs once the facility is at full production.

Reclaiming the Cheat River as an Economic Asset through Trail Enhancement (RE-CREATE)

Status: Preliminary OSMRE approval (10/7/19)

Location: Preston County, West Virginia

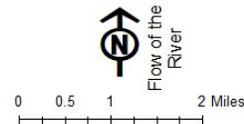
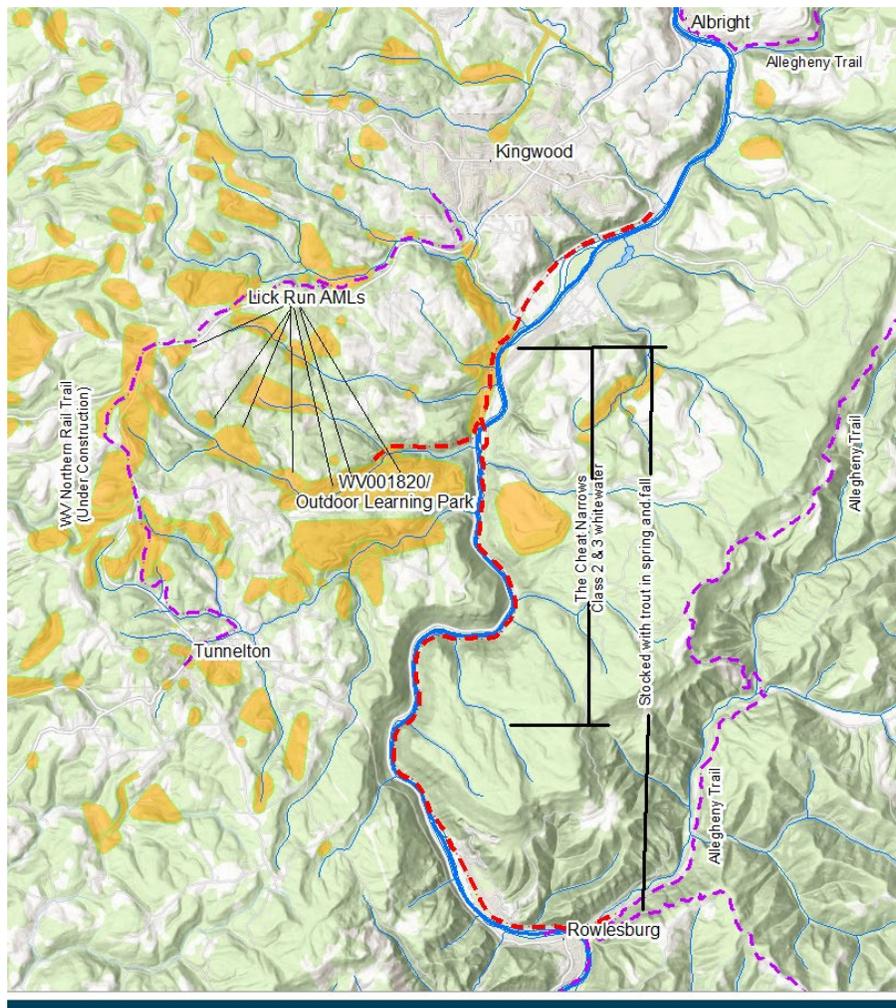
Requested AML Pilot Funding: \$3 million

Additional Funding: \$218,600 from other sources

AML Site Info: Priority 2 unreclaimed and previously reclaimed

Project Partners: WVDOH, FOC, Preston Co. Parks and Rec., Human Resources Development Fund, and the WV Humanities Council

This project will construct 8.09 miles of non-motorized rail trail along the Cheat River and feature a learning park where visitors can learn about the area's history of mining and reclamation. The number of visitors will be tracked after the trail is in use. Additionally, the project will create a Trail Town program to work collaboratively with local communities to attract more visitors and generate additional economic opportunity. It is estimated that the project will result in nearly \$7.5 million of economic activity and support nearly 50 jobs. In the long term, the Trail Town Program will directly employ a smaller number of people on a permanent basis.



Proposed Cheat River Rail Trail

Town of Bradshaw Sanitary Sewer Upgrade

Status: Preliminary OSMRE approval (4/4/19)

Location: McDowell County, West Virginia

Requested AML Pilot Funding: \$1.5 million

Additional Funding: \$4.7 million from other sources

AML Site Info: Priority 1 and 2 previously reclaimed

Project Partners: ARC, USDA, CWSRF, and IJDC

This project will rehabilitate the Town of Bradshaw's sanitary sewer system, which is currently barely functional, suffering from high energy consumption, and has high maintenance costs. System upgrades will improve service to 129 residential and commercial customers plus 2 regional schools, a health facility, community center, library, and senior center. The rehabilitation is estimated to create 20 temporary construction jobs and the upgraded sewer system is expected to attract new businesses to the area that will create permanent jobs.

Vandalia: Highlands Conservation and Recreation

Status: Preliminary OSMRE approval (4/24/19) - OSMRE final approval ATP issued (8/26/19)

Location: Tucker County, West Virginia

Requested AML Pilot Funding: \$400,000

Additional Funding: \$1.86 million from other sources

AML Site Info: Priority 3 unreclaimed

Project Partners: Heart of the Highlands, Vandalia Heritage Foundation, WVLT, and OHCF

This project will purchase 860 acres to maintain public access to 8.5 miles of bike trails in an area that greatly depends on outdoor recreation (adjacent to Canaan Valley National Wildlife Refuge, the National Youth Science Foundation, and 100 acres that has plans to be developed as a live performance venue). The trails host three bike races and a bike festival each year that totaled 551 attendees across all four events in 2018. The trails are able to handle approximately 10,000 visitors per year, but actual visitation will be measured once the project is complete.

West Virginia Elk Restoration Project (Phase 2)

Status: Preliminary OSMRE approval (3/18/19)

Location: Logan and Mingo Counties, West Virginia

Requested AML Pilot Funding: \$1.55 million

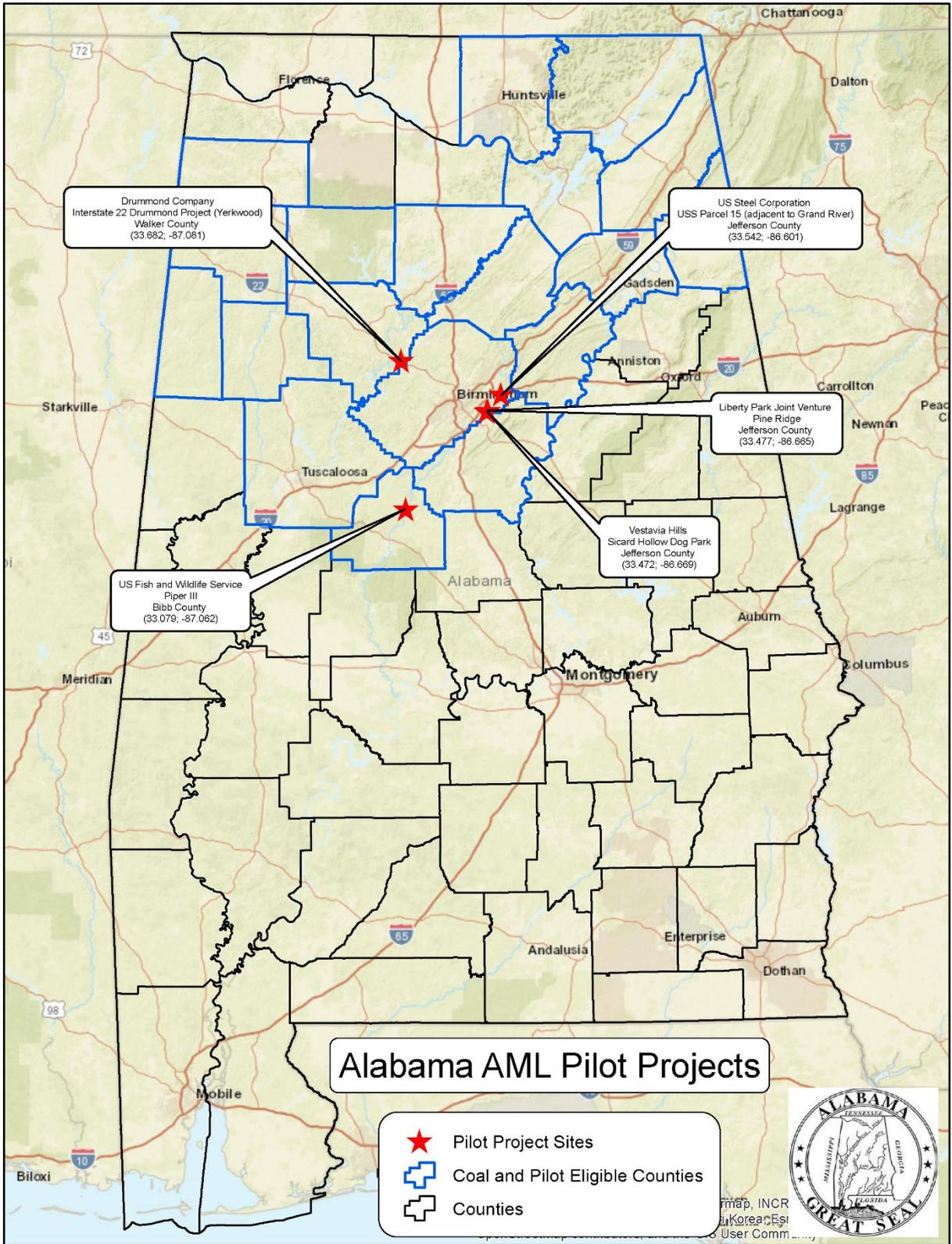
AML Site Info: Priority 2 unreclaimed

Project Partners: West Virginia Division of Natural Resources

This project is the second phase of the West Virginia Elk Restoration Project which will construct a viewing deck and storage facility through the FY 2016 AML Pilot program. This new phase for FY 2018 will reclaim a highwall and construct a visitor center on the site. Once completed, the visitor center is conservatively estimated to attract thousands of visitors per year. Based on elk restoration programs in other states, the completion of this project is anticipated to generate \$6.2-\$13.2 million annually. Between 40 and 50 jobs are expected to be created for construction and 4-6 seasonal or part-time employees will be hired to run the visitor center.

FY 2018 Alabama

Alabama submitted a total of five projects to use FY 2018 AML Pilot Funds, which as of November 30, 2019, were under review to receive preliminary approval from OSMRE. Located within three counties in northern Alabama, the five AML Pilot projects pending preliminary approval include two outdoor recreation projects, two industrial/commercial developments, and one multi-purpose project. Projects are selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects could result in estimated outcomes that include: increased tourism by attracting approximately 1,000 additional visitors to the region; nearly 2,200 new jobs created in future industrial and commercial districts; and broader impacts that will yield infrastructure development, stronger local businesses, and restoration of public lands. In addition, the pilot projects have the potential to leverage an additional \$0.20 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Alabama Department of Labor](#).



Map of projects in Alabama under OSMRE review to receive FY 2018 AML Pilot funds

Piper Mine Reclamation Project

Status: Under review for OSMRE's preliminary approval as of November 30, 2019

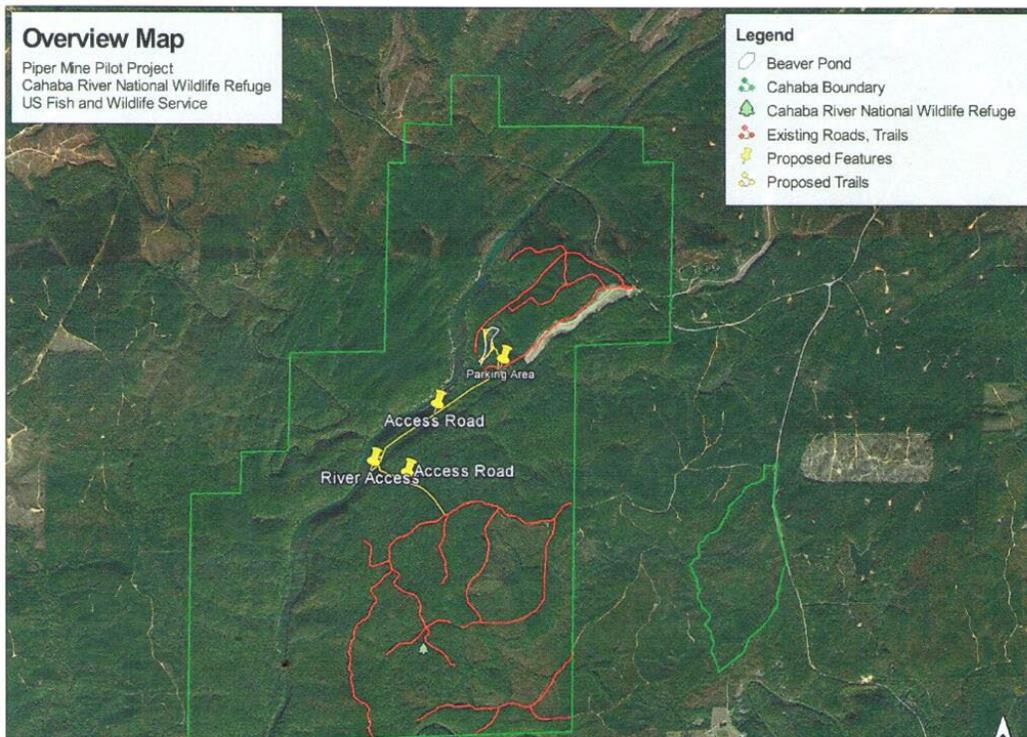
Location: Bibb County, Alabama

Requested AML Pilot Funding: \$2.43 million

AML Site Info: Priority 1 and 2 unreclaimed and previously reclaimed

Project Partners: U.S. Fish & Wildlife Services, Friends of the Cahaba River National Wildlife Refuge, Cahaba Riverkeeper, and the Cahaba River Society

This project will reclaim the Piper Mine on the Cahaba River National Wildlife Refuge and add 3,200 ft of gravel trail, interpretive signage, and an overlook. Work will also be done to enhance the 3.75-acre beaver pond. These improvements are expected to increase visitation to the refuge by 20% for special events (350-550 visitors).



Proposed Features and Trails on the Cahaba River National Wildlife Refuge

Grand River Parcel 15 Project

Status: Under review for OSMRE's preliminary approval as of November 30, 2019

Location: Jefferson County, Alabama

Requested AML Pilot Funding: \$2.2 million

AML Site Info: Priority 1 and 3; unreclaimed and previously reclaimed

Project Partners: U.S. Steel Corporation, City of Birmingham, Jefferson County, and the City of Leeds

This project will reclaim 800 linear feet of a dangerous highwall and establish construction access to grade a 28-acre AML site for commercial development. This project is an expansion of the Grand River Technology Park that received FY 2017 AML Pilot funds. An economic impact analysis for the site indicates that the site could support a company that builds a 495,000 square foot building. This type of building could provide up to 2,000 jobs.



Location of Parcel 15 Relative to Other Development

Pine Ridge Sicard Hollow Athletic Complex Reclamation

Status: Under review for OSMRE’s preliminary approval as of November 30, 2019

Location: Jefferson County, Alabama

Requested AML Pilot Funding: \$2 million

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: City of Vestavia Hills, Liberty Park Joint Venture LLP, and Glenwood, Inc

This project will reclaim 1,360 linear feet of a dangerous highwall adjacent to the Sicard Hollow Park that received FY 2017 AML Pilot funds. This area has potential for developments as an expansion for supporting businesses to the Sicard Hollow Athletic Complex (3,000 weekly visitors). It could also be used to create outdoor recreational space for Glenwood Inc. (a facility for disabled children). Lastly, there is potential commercial interest from Liberty Park Joint ventures LLP which could create bring a business to the site that could create up to 20 jobs.

Sicard Hollow Road Pilot Project

Status: Under review for OSMRE’s preliminary approval as of November 30, 2019

Location: Jefferson County, Alabama

Requested AML Pilot Funding: \$300,000

Additional Funding: \$5,500 from local sources

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: City of Vestavia Hills

This project will develop a 1-acre dog park as part of the Sicard Hollow Park project that received FY 2017 AML Pilot funds. Over 400 local families have pets and could benefit from the addition of the dog park. The inclusion of a dog park as part of the Sicard Hollow Park, is expected to increase the overall visitation to the facility.

U.S. I-22 Exit 78 Cultural/Commercial/Industrial Park Development Project

Status: Under review for OSMRE's preliminary approval as of November 30, 2019

Location: Walker County, Alabama

Requested AML Pilot Funding: \$3 million

Additional Funding: \$1.8 million from other sources

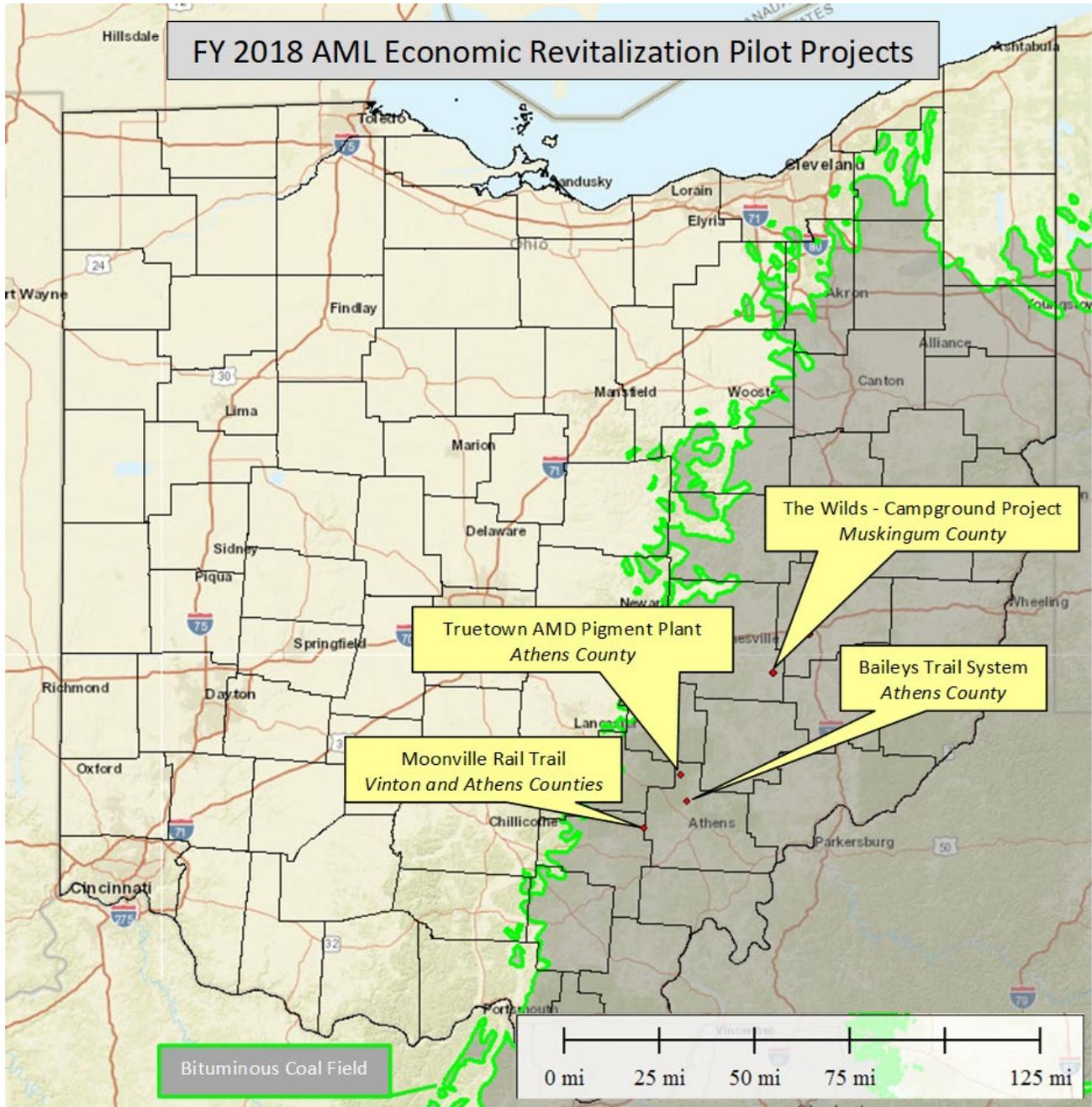
AML Site Info: Priority 1 and 3; unreclaimed and previously reclaimed

Project Partners: Drummond Company Inc., Alabama Power, City of Dora, Dora Utilities Boards, Walker County Commission District 4, Walker Area Community Foundation, Beville State Community College, and the Walker County Development Authority

This project will reclaim 2,900 linear feet of a dangerous highwall on a 48-acre AML site to create a pad for a 40-acre industrial site. In-kind construction will be used to install roads and utility lines for water, sewage, and broadband to the site. The master plan for this site proposes the development of a travel center with fuel, food, and accommodation. If completed, this development is estimated to create 168 jobs (132 direct and 36 indirect).

FY 2018 Ohio

As of November 30, 2019, Ohio had submitted a total of four projects to use FY 2018 AML Pilot Funds that all received preliminary approval by OSMRE and are eligible to use a portion of the available \$10 million. Located across three counties in eastern Ohio, the four preliminarily approved AML Pilot projects include three outdoor recreation projects and one industrial/commercial development. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: 35 miles of trails that would be used by over 240,000 visitors; creation of nearly 70 jobs; and revenue generated from new visitors to outdoor recreations activities. In addition, the pilot projects have the potential to leverage an additional \$1.1 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information on the Ohio AML program can be found through the [Ohio Department of Natural Resources - Division of Mineral Resources](#).



Map of active projects in Ohio receiving FY 2018 AML Pilot funds

Baileys Trail System (Phase 1)

Status: Preliminary OSMRE approval (4/24/19)

Location: Athens County, Ohio

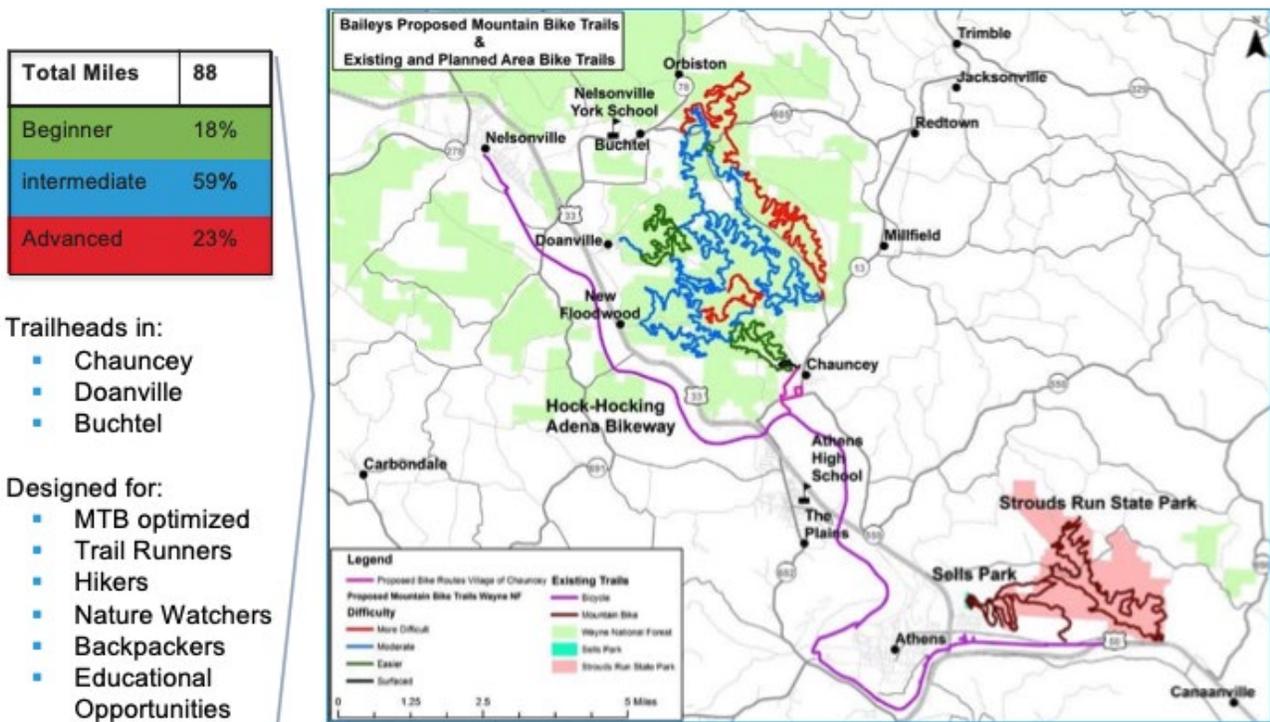
Requested AML Pilot Funding: \$1.79 million

Additional Funding: \$3.5 million from the ARC POWER program, \$1.5 million from an ODOT TAP grant, \$270,000 from a CDBG grant, and \$150,000 from an ODNR RTP grant

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Wayne National Forest, Athens County, Athens Bicycle Club, York Township, Village of Chauncey, and Rural Action

This project is the first phase of the construction of the Baileys Trail System in the Wayne National Forest. This includes the development of 31 miles of trail and two trailheads with bathroom facilities and parking for 75 vehicles. The trail will be designed for use of mountain biking, hiking, and trail running. When all phases are completed, the trail system will total 88 miles and attract an estimated 180,000 visitors per year within 10 years. These visitors are expected to generate \$24.8 million in local revenue and create or retain 65 jobs.



Proposed Bailey Trail System

Moonville Rail Trail

Status: Preliminary OSMRE approval (9/6/19)

Location: Vinton and Athens Counties, Ohio

Requested AML Pilot Funding: \$1.15 million

Additional Funding: \$620,500 from other sources

AML Site Info: Priority 1 and Priority 2 unreclaimed and previously reclaimed

Project Partners: Moonville Rail Trail Association, Vinton County, and the ODNR Division of Forestry

This project will make improvements to the Moonville Rail Trail through construction of 10 bridges and reclamation of AML portals near the trail. An additional 4.1 miles of trail will also be added to the trail system increasing the total length to 12.2 miles. This project is estimated to support 22 full-time and part-time jobs for construction. The trail is currently estimated to have 61,000 individual users annually and has connections to several adjacent state parks and supporting businesses. Visitation is expected to increase with these improvements and generate \$2.8 million in regional economic activity.



Moonville Rail Trail

The Wilds Campground Recreation Project – Previously under the FY 2017 Pilot grant

Status: Preliminary OSMRE approval (4/26/18)

Location: Muskingum County, Ohio

Requested AML Pilot Funding: \$1 million

Additional Funding: \$965,000 is being sought through other grant opportunities and a private donor

AML Site Info: Priority 1 and Priority 3 unreclaimed

Project Partners: The Wilds

Update: Moved from the FY 2017 Pilot grant to the FY 2018 Pilot grant.

The project will develop 25 acres to include a primary access road to a proposed RV campground, 20 - 30 RV parking pads, roads within the camping area, 30 primitive camp sites with a parking area, and a foot bridge to the campground trailhead. Later phases of this project will install electric

and water utilities, road surfaces to the campground, and two cabins. One cabin will serve as housing for the camp host and the other will be available to rent. Upon completion, hiking and biking trails will be connected to access 650 acres of a previously unused area and permitting additional outdoor activities including: fishing, kayaking, wildlife viewing, and photography.

Truetown Acid Mine Drainage (AMD) Pigment Production

Status: Preliminary OSMRE approval (4/24/19)

Location: Athens County, Ohio

Requested AML Pilot Funding: \$3.49 million

Additional Funding: \$2 million from the Ohio Environmental Protection Agency Water Resource Restoration Sponsor Program, \$1.55 million from a National Capital Investment loan, and \$435,000 from various private foundations

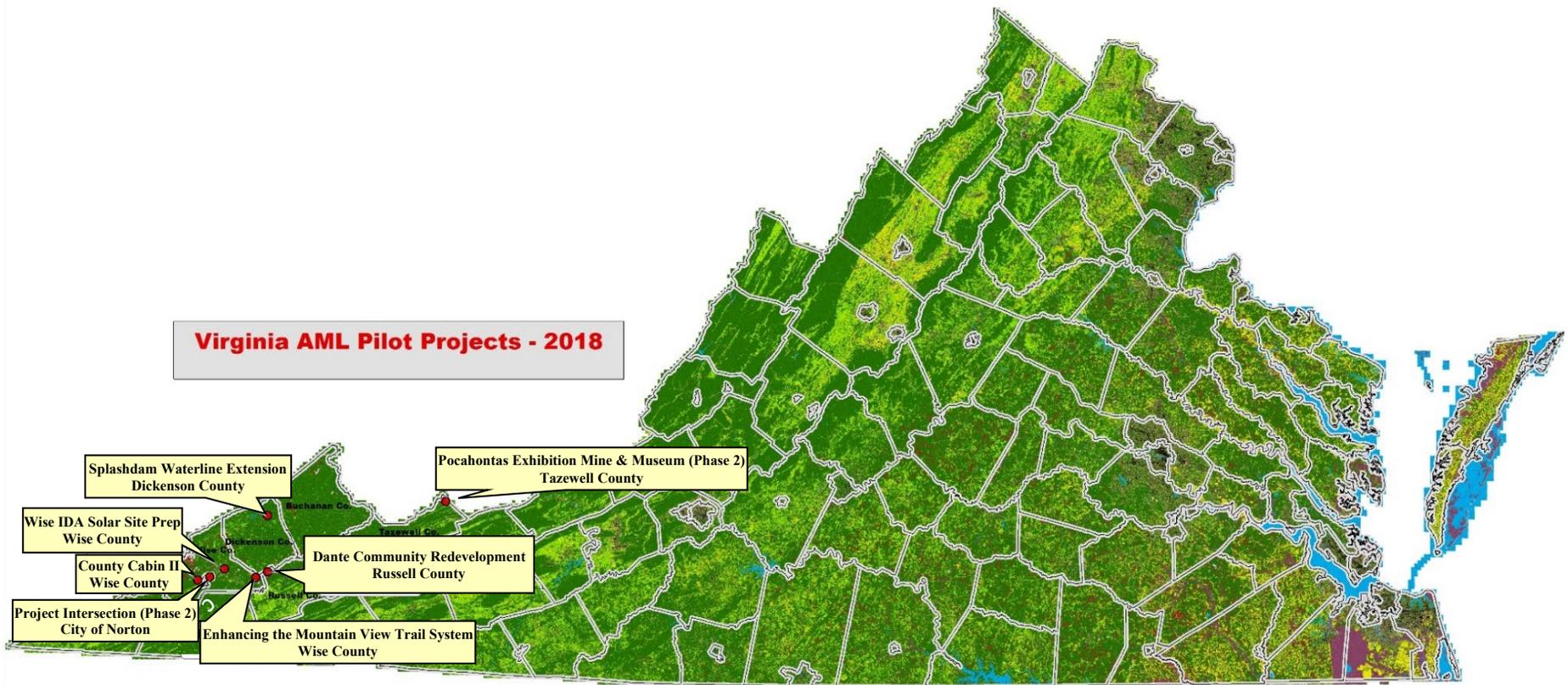
AML Site Info: Priority 2 previously reclaimed

Project Partners: Ohio University, Rural Action, ODNR, Gamblin Artists Colors, TechGROWTH Ohio, and the Athens County Planning Office

This project will construct an AMD treatment plant that will filter out iron from the water and create an iron oxide-based pigment product for commercial sale to paint manufacturers. The plant will create four full-time jobs with \$205,200 in combined annual wages and produce over 2 million pounds of pigment assuming year-round operation with a value of \$1.5 million. A total of 7 miles of stream will also be restored to a viable fishery and generate an estimated \$17,000 per year in revenue.

FY 2018 Virginia

Virginia submitted a total of 10 projects to use FY 2018 AML Pilot Funds. As of November 30, 2019, three projects were under review by OSMRE (not included in this report) and seven projects had received preliminary approval and are eligible to use a portion of the available \$10 million. Located across five counties in southwestern Virginia, the seven preliminarily approved AML Pilot projects include two outdoor recreation projects, two visitor attraction projects, two infrastructure projects, and one industrial construction project. Projects were selected for AML Pilot funding based on their potential to create long-term economic benefits in local coal communities. These projects will result in estimated outcomes that include: an industrial site ready to develop a 100,000 square foot building; increased tourism to local attractions; construction and improvement of 138 miles of trails; and broader impacts that will yield infrastructure development and stronger local businesses. In addition, the pilot projects have the potential to leverage an additional \$0.88 for every \$1 of AML Pilot Program funding from public and private economic development funds. Additional information can be found through the [Virginia Division of Mined Land Reclamation](#).



Map of active projects in Virginia receiving FY 2018 AML Pilot funds

Project Intersection (Phase 2)

Status: Preliminary OSMRE approval (10/2/19)

Location: City of Norton, Virginia

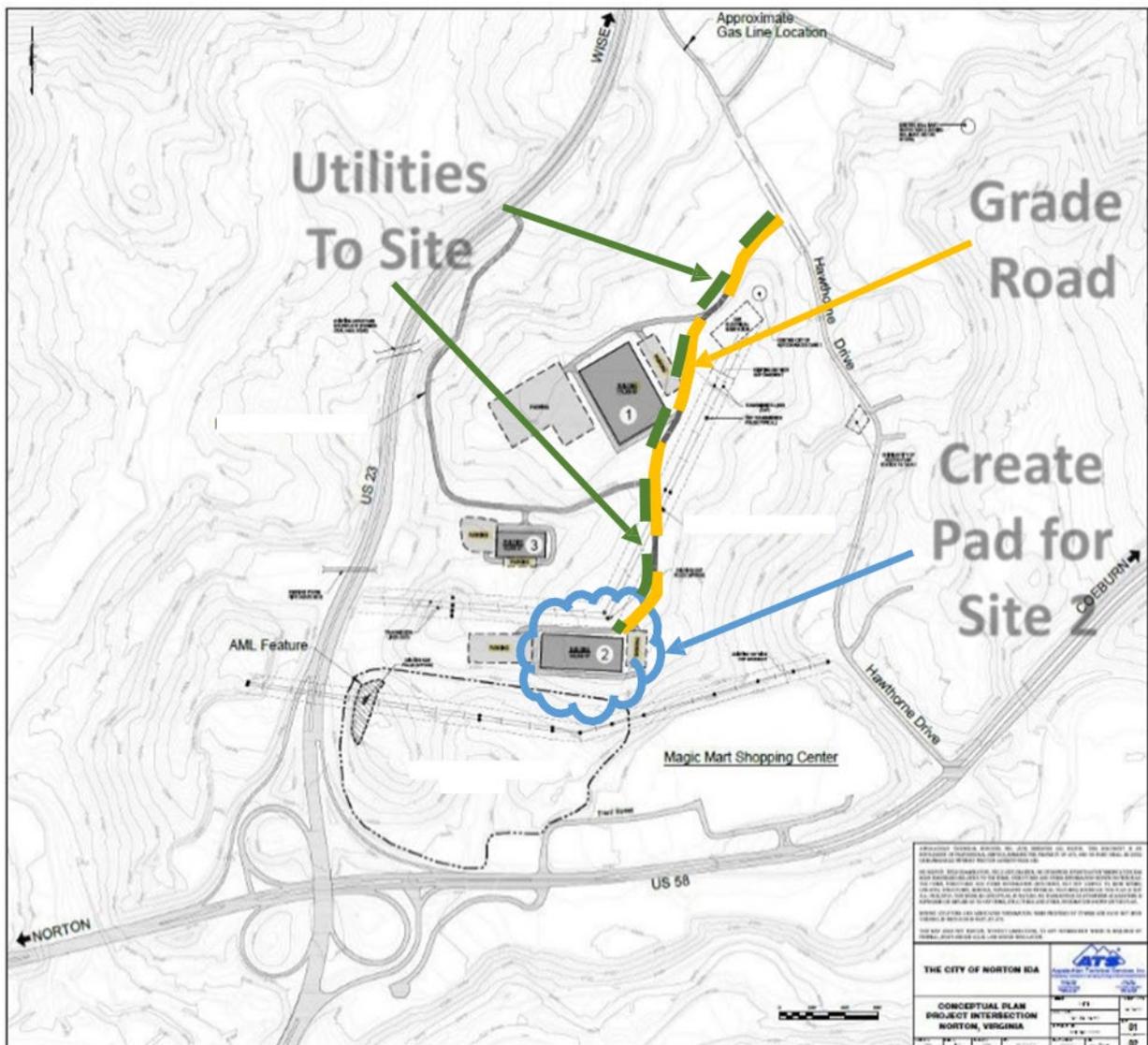
Requested AML Pilot Funding: \$1.78 million

Additional Funding: \$917,315 from ARC POWER and \$2,000,000 pending from EDA

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Norton IDA, and Lonesome Pine Regional Industrial Facilities Partners

This is the second phase of the "Project Intersection" Pilot Project that received FY 2017 AML Pilot funds. The first phase of this project involved the purchase of 200 acres, development of an industrial pad (site 1) for a 175,000 square foot building (estimated to create 63 jobs in 3-4 years), grading of 2 more industrial pads (sites 2 and 3), and removal of a highwall. This second phase will develop the second industrial pad (site 2) for a 100,000 square foot building and construct an access road plus 4,000 linear feet of water, sewer, broadband, natural gas, and electric utilities lines to sites 1 and 2. At least one prospective letter of interest has been received about building on site 2.



Proposed work for Phase 2 of Project Intersection

Country Cabin II Facility Improvements

Status: Preliminary OSMRE approval (6/6/19)

Location: Wise County, Virginia

Requested AML Pilot Funding: \$47,420

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Appalachian Traditions, Inc.

This project will provide construction improvements to the County Cabin II facility that will allow for year-round operation. Country Cabin II is a historical building known for hosting concerts, regional celebrations, and weekly local events along Virginia's Heritage Music Trail. The facility had approximately 6,000 annual visitors in 2017 and 2018. The improvements provided by this project include new doors, insulation, paneling, and floor sealant which are expected to provide weatherization resulting in increased attendance, revenue, and event frequency.

Dante Community Redevelopment

Status: Preliminary OSMRE approval (7/29/19)

Location: Russell County, Virginia

Requested AML Pilot Funding: \$269,000

Additional Funding: \$710,697 from other sources

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Dante Community Association, Spearhead Trails, Cumberland Plateau Planning District Commission, and the Great Appalachian Valley Conservation Corps

This project will construct 38 miles of multi-use trails for hiking, biking, and ATVs and reclaim two mine portals that pose a safety hazard to visitors. Visitors to the trail will support small local stores and create the potential for a new bike rental business. The number of visitors to the trail will be measured once trail is completed. Additional funds will also be used to construct a playground and wildlife viewing deck for visitors to use.

Enhancing the Mountain View Trail System

Status: Preliminary OSMRE approval (10/2/19)

Location: Wise County, Virginia

Requested AML Pilot Funding: \$222,000

Additional Funding: \$1.125 million from Nature Conservancy and its partners to purchase 2,500 acres

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Nature Conservancy and Spearhead Trails

This project will improve 100 miles of trails within the Mountain View Trail System by adding bridges, erosion control, trail signs, water crossings, and two scenic overlooks with viewing decks and picnic tables. The project also includes reclamation work to close 20 - 30 open auger holes near the trail that pose a safety hazard to visitors. This project is projected to increase revenue generated (from \$5.8 million in FY 2016 - 2017) and jobs supported (from 94 full-time jobs in FY 2016 - 2017). The number of visitors is also expected to increase and will be measured after the trail is completed.

Pocahontas Exhibition Mine and Museum (Phase 2)

Status: Preliminary OSMRE approval (9/12/19)

Location: Tazewell County, Virginia

Requested AML Pilot Funding: \$379,178

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Town of Pocahontas, Tazewell County Board of Supervisors, Tazewell County Tourism, Cumberland Plateau Planning District, and Thompson & Litton, Inc.

This project is the second phase of the Pocahontas Exhibition Mine and Museum Pilot Project that received FY 2017 AML Pilot funds. Renovations to the museum in phase 1 are expected to increase visitation by 30%. This second phase would involve construction of a rainwater collection system, and a tram stop to pick up patrons to transport through the mine. The museum restaurant will also be enhanced with the purchase of kitchen equipment and restaurant furniture. Phase 2 is projected to increase visitation to the museum by an additional 20%, create four jobs, and pave the way for future phases to develop utility lines and a sewer line replacement to support additional commercial endeavors.

Splashdam Water Line Extension

Status: Preliminary OSMRE approval (6/6/19)

Location: Dickenson County, Virginia

Requested AML Pilot Funding: \$386,500

Additional Funding: \$30,000 from Dickenson County Public Service Authority

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Town of Haysi, Dickenson County Public Service Authority, Cumberland Plateau Planning District, Thunder River Outdoor Recreation Campground

This project will extend the Splashdam Water Line by building 6,650 linear feet of 4-inch water line to provide potable water to a newly constructed campground that serves the Ridgeview Trail and Haysi to Breaks Hiking/Biking Trail. The campground currently has 20 individual campsites but access to potable water will allow an expansion of 60 additional RV and primitive campsites and the addition of a bathhouse. Long terms goals for the campground would also add a restaurant, playground, and swimming pool. These additions are expected to increase the number of visitors to the campground and will be tracked as the site expands.

Wise County Industrial Development Authority Solar Project Site Preparation

Status: Preliminary OSMRE approval (6/6/19)

Location: Wise County, Virginia

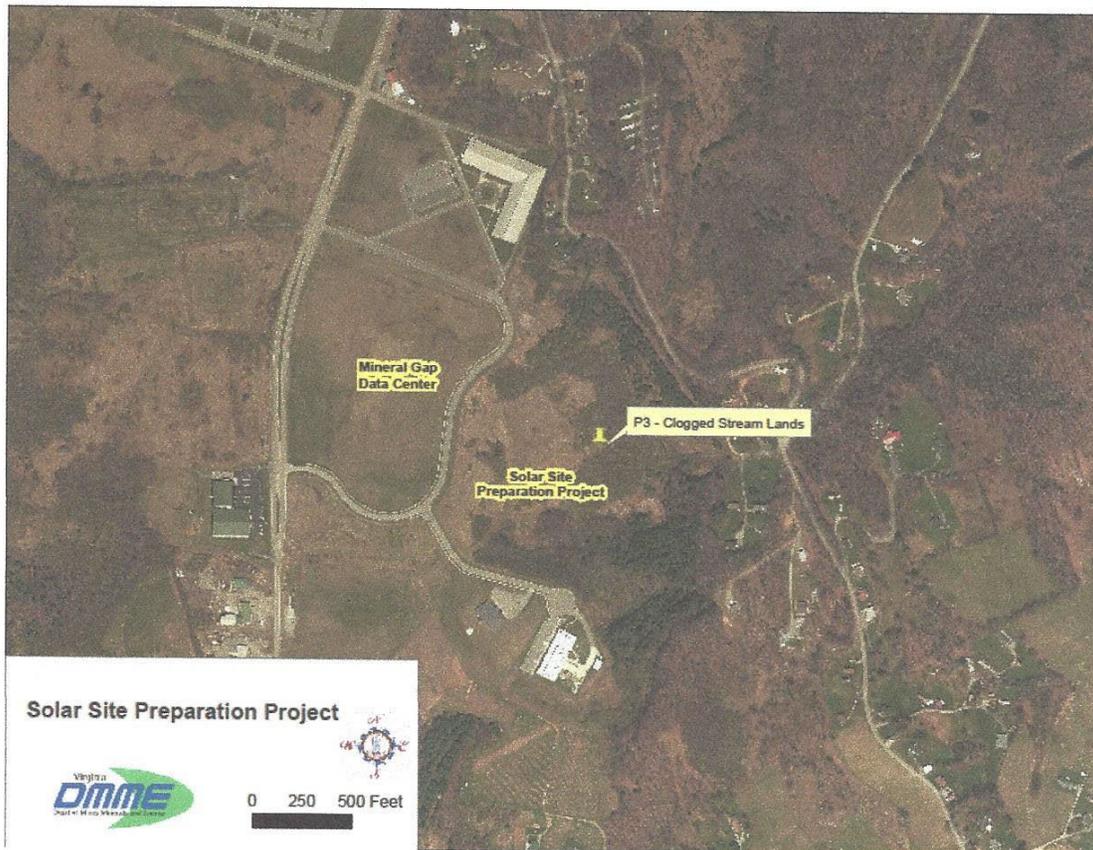
Requested AML Pilot Funding: \$500,000

Additional Funding: \$4.1 million from Sun Tribe Solar

AML Site Info: Priority 1, 2, and 3; unreclaimed and previously reclaimed

Project Partners: Wise County IDA, Mineral Gap Data Center Affiliate, and Sun Tribe Solar

This project will reclaim 28 acres of AML and prepare the site for solar electricity infrastructure. Site development will include earthwork, engineering, design, and permitting. Approximately 9,000 solar panels with a capacity of generating 3.45 MW will be installed onsite to provide power to the Mineral Gap Data Center in Wise County, VA for 35 years. Jobs are expected to be created for local contractors and at the Mineral Gap Data Center as the facility expands. Additionally, Sun Tribe will work with Mountain Empire Community College and Wise County Public Schools to enable students to get hands-on experience with solar energy resources.



Wise County Industrial Development Authority Solar Project Site

FY 2018 Crow Tribe

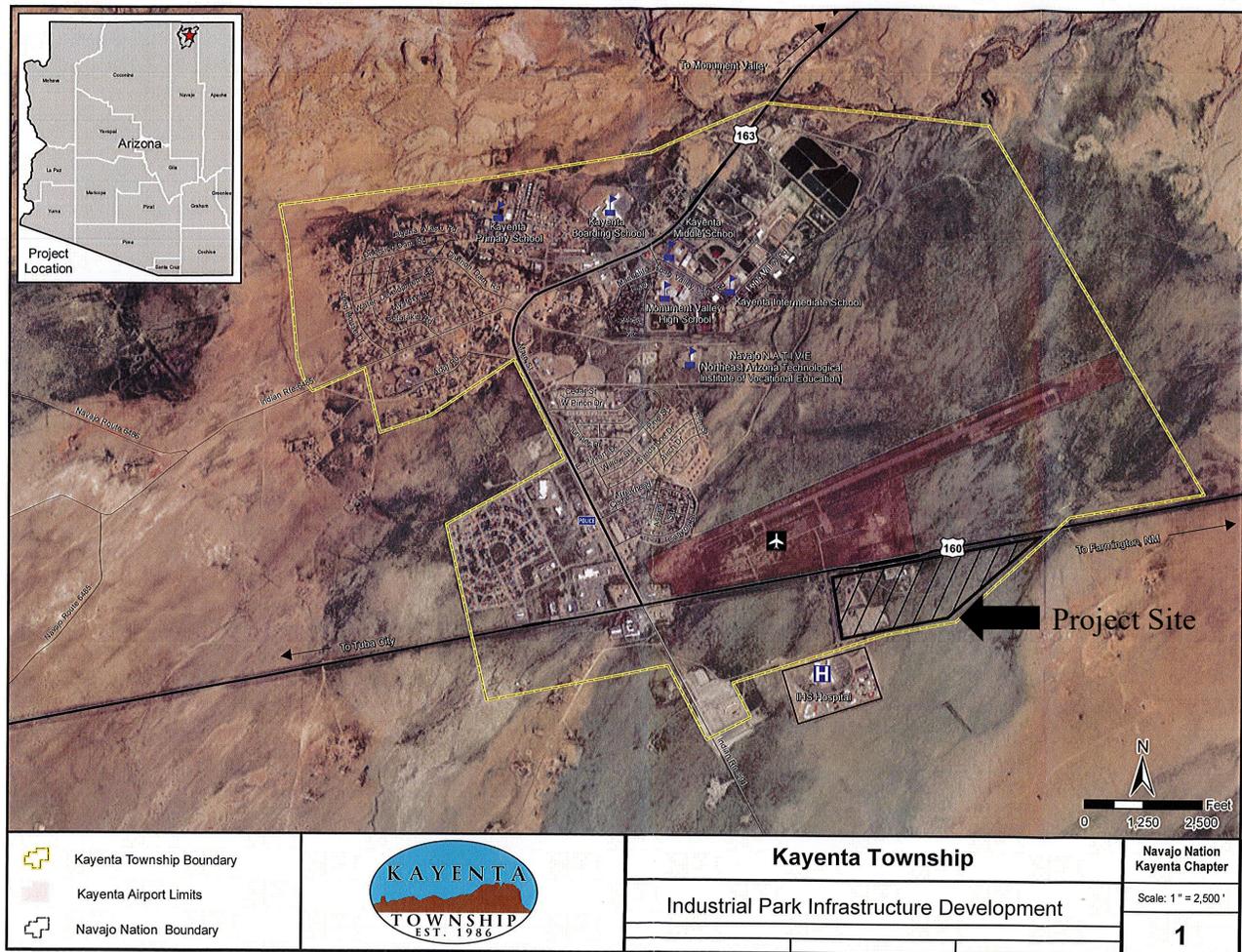
As of November 30, 2019, the Crow Tribe had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of the Crow Tribe's FY 2018 AML Pilot project applications in 2020.

FY 2018 Hopi Tribe

As of November 30, 2019, the Hopi Tribe had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of the Hopi Tribe's FY 2018 AML Pilot project applications in 2020.

FY 2018 Navajo Nation

As of November 30, 2019, the Navajo Nation had submitted one project to use FY 2018 AML Pilot Funds which received preliminary approval by OSMRE and is eligible to use the available \$3.33 million. The project is for industrial construction and was selected for AML Pilot funding based on its potential to create long-term economic benefits in the local community in terms of jobs created. In addition, the Pilot project has the potential to leverage an additional \$0.27 for every \$1 of AML Pilot Program funding local economic development funds. Additional information can be found through the [Navajo Abandoned Mine Lands Reclamation Department](#).



Map of the active project in the Navajo Nation receiving FY 2018 AML Pilot funds

Kayenta Industrial Park Infrastructure

Status: Preliminary OSMRE approval (7/9/19)

Location: Kayenta, Navajo Nation

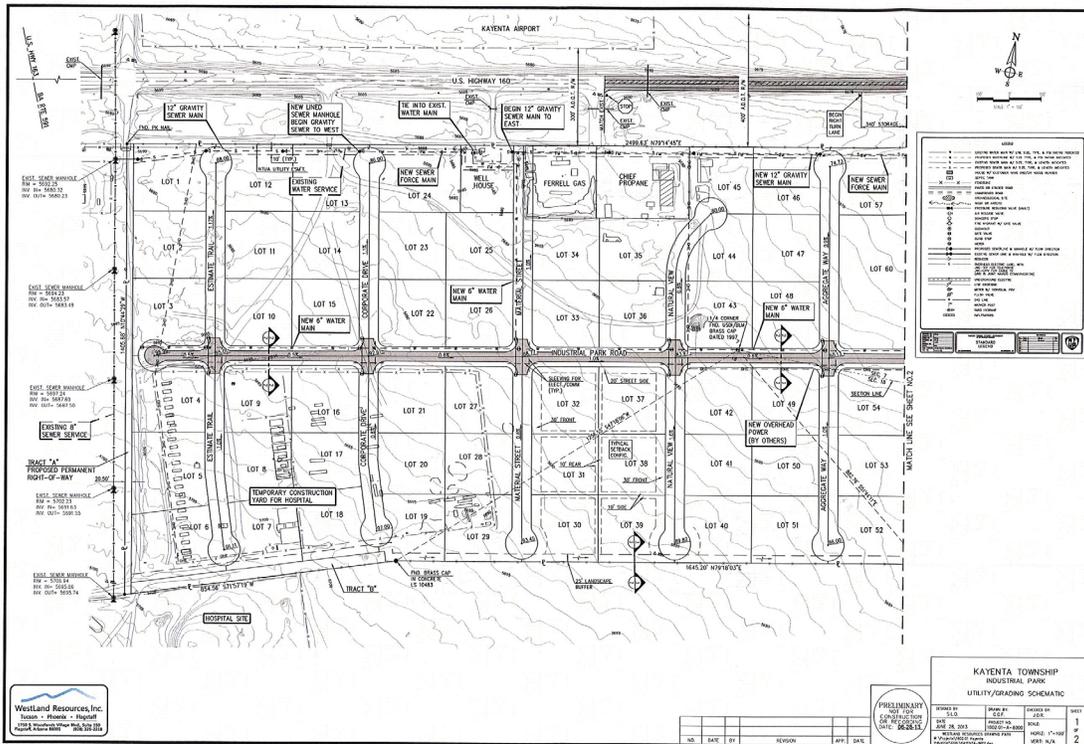
Requested AML Pilot Funding: \$3.3 million

Additional Funding: \$893,000 from Kayenta Township

AML Site Info: Proximity to communities impacted by loss of mining jobs

Project Partners: Kayenta Township

This project will expand the infrastructure of the Kayenta Industrial Park in order to attract new businesses that will be able to provide jobs for the local community that has a 44.25% unemployment rate. Infrastructure to be added includes up to 4,800 linear feet of waterline, 7,800 linear feet of sewer line, and 0.7 mile of road within the park. In addition, the connecting roads (U.S. Route 160 and Kayenta Health Center Road) will be widened to add turning lanes to the industrial park. Kayenta Township has received multiple letters of interest from businesses that could utilize the expanded infrastructure to expand development of the industrial park.



Utility/Grading Schematic for Kayenta Industrial Park Infrastructure Project

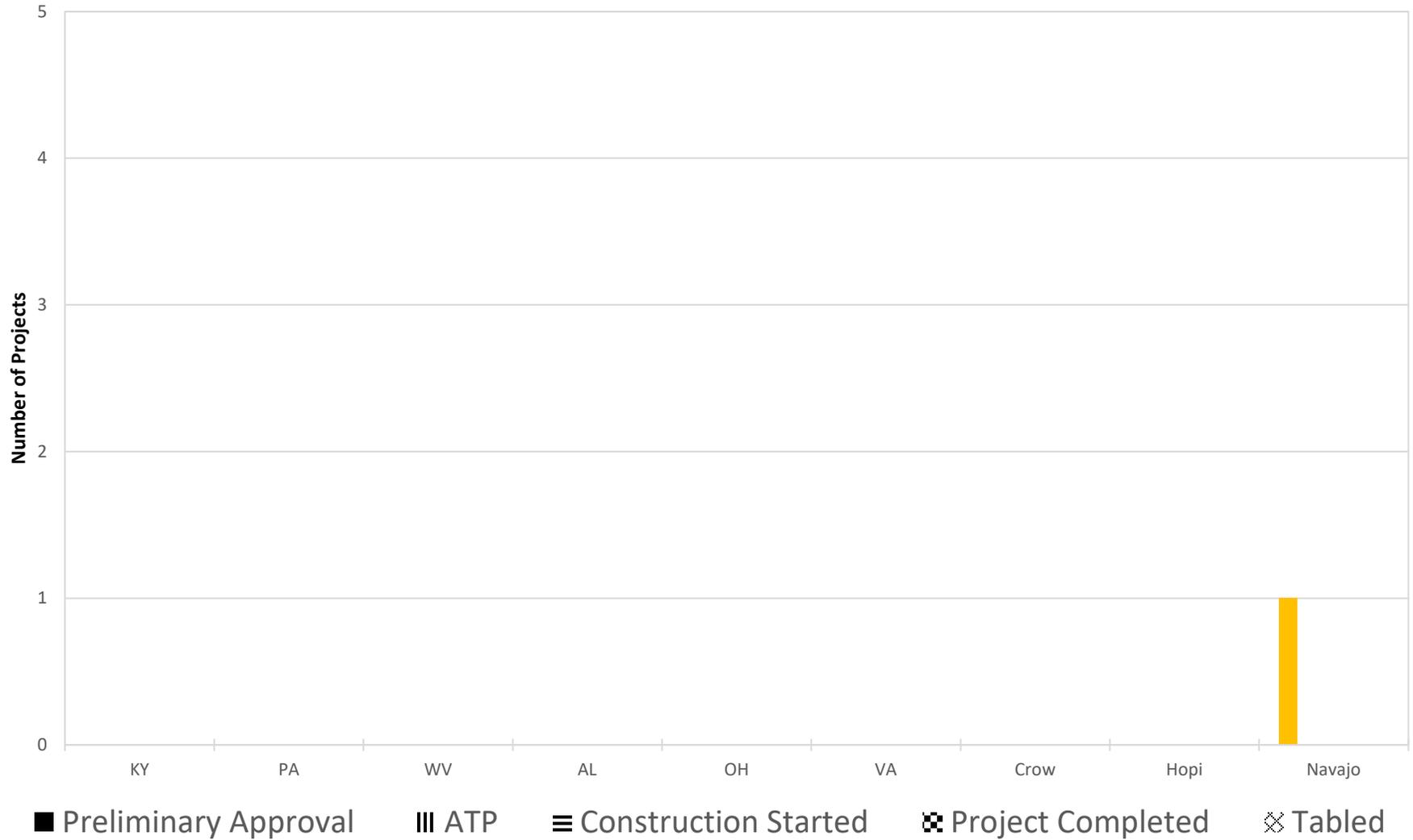
VI. Implementation of the FY 2019 AML Pilot Program

OSMRE released the *FY 2019 AML Pilot Guidance Document* to stakeholders on October 23, 2019. That guidance document was developed by OSMRE to assist the states in their selections of projects and reflected several improvements from the previous year. The guidance document outlined general criteria by which potential projects should be evaluated for eligibility and successful selection, as well as suggested means by which projects could meet the economic and community development nexus criteria. Updates to the [AML Pilot Guidance Document](#) for FY 2019 included reference to the updated OSMRE National Environmental Policy Act (NEPA) Handbook, and clarification that reporting requirements and instructions for the purchase of real property apply to the current and previous fiscal years.

FY 2019

OSMRE notified eligible states and tribes on April 16, 2019, that their AML Pilot funding was available, and they could prepare grant applications. As of November 30, 2019, OSMRE was reviewing FY 2019 Pilot grant applications from Kentucky, Ohio, and West Virginia. Funds will be awarded to all eligible states and tribes once their FY 2019 AML Pilot grant applications have been approved. OSMRE anticipates that FY 2019 AML Pilot grant applications for the remaining eligible states and tribes will be submitted in the coming months. As of November 30, 2019, OSMRE was also reviewing two project applications (not included in this report) submitted by Kentucky requesting the use of FY 2019 AML Pilot Funds and expecting additional applications to be submitted throughout 2020. Details for these projects will be reviewed for preliminary approval and included in the next AML Pilot Report. Between November 30, 2018 and November 30, 2019, no projects using FY 2019 Pilot funds were completed (*Figure 7*).

Figure 7: Status of FY 2019 AML Pilot Projects



FY 2019 Kentucky

As of November 30, 2019, OSMRE was reviewing two AML Pilot project applications submitted by Kentucky. OSMRE anticipates the submission of additional FY 2019 AML Pilot project applications from Kentucky in 2020.

FY 2019 Pennsylvania

As of November 30, 2019, Pennsylvania had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of Pennsylvania's FY 2019 AML Pilot project applications in 2020.

FY 2019 West Virginia

As of November 30, 2019, West Virginia had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of West Virginia's FY 2019 AML Pilot project applications in 2020.

FY 2019 Alabama

As of November 30, 2019, Alabama had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of Alabama's FY 2019 AML Pilot project applications in 2020.

FY 2019 Ohio

As of November 30, 2019, Ohio had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of Ohio's FY 2019 AML Pilot project applications in 2020.

FY 2019 Virginia

As of November 30, 2019, Virginia had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of Virginia's FY 2019 AML Pilot project applications in 2020.

FY 2019 Crow Tribe

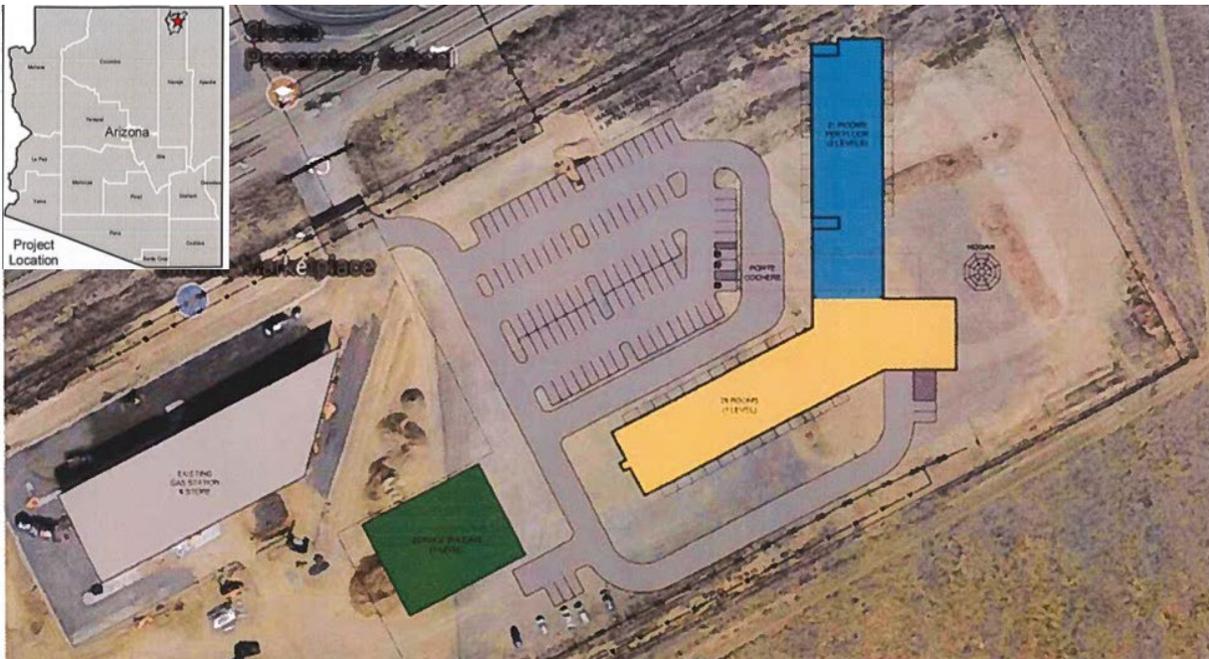
As of November 30, 2019, the Crow Tribe had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of the Crow Tribe's FY 2019 AML Pilot project applications in 2020.

FY 2019 Hopi Tribe

As of November 30, 2019, the Hopi Tribe had not submitted any AML Pilot project applications to OSMRE for preliminary approval review. OSMRE anticipates the submission of the Hopi Tribe's FY 2019 AML Pilot project applications in 2020.

FY 2019 Navajo Nation

As of November 30, 2019, the Navajo Nation had submitted one project to use FY 2019 AML Pilot Funds which received preliminary approval by OSMRE and is eligible to use the available \$3.33 million. The project is a commercial development and was selected for AML Pilot funding based on its potential to create long-term economic benefits in the local community in terms of attracting visitors to the area. In addition, the Pilot project has the potential to leverage an additional \$3.7 for every \$1 of AML Pilot Program funding local economic development funds. Additional information can be found through the [Navajo Abandoned Mine Lands Reclamation Department](#).



Map of the active project in the Navajo Nation receiving FY 2019 AML Pilot funds

Shonto Hotel

Status: Preliminary OSMRE approval (7/9/19)

Location: Shonto, Navajo Nation

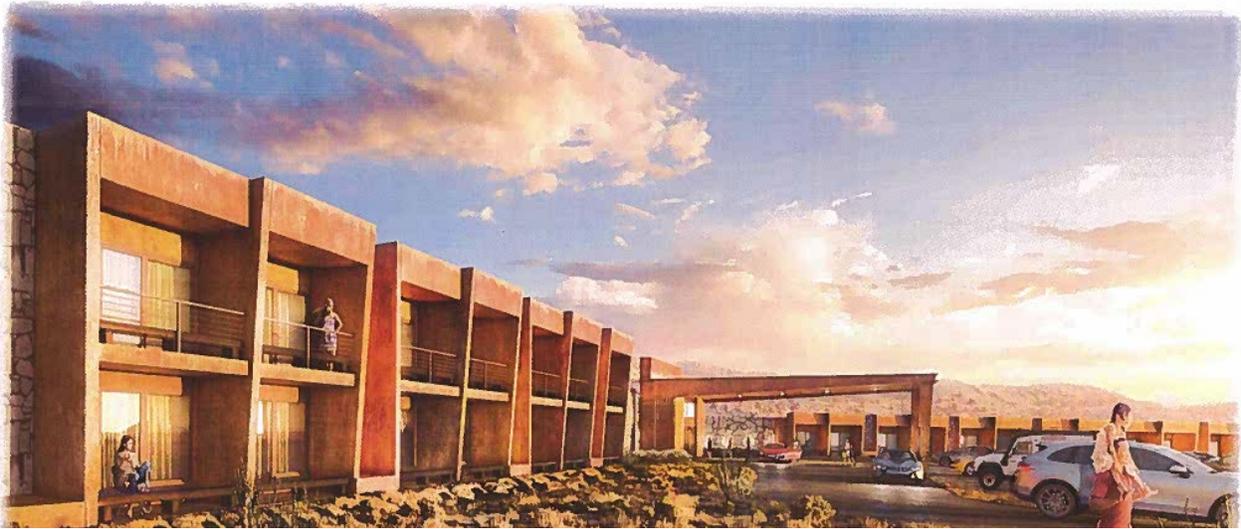
Requested AML Pilot Funding: \$3.3 million

Additional Funding: \$12.2 million from other sources

AML Site Info: Proximity to communities impacted by loss of mining jobs

Project Partners: Kayenta Township

This project will build a 70-room hotel along a corridor to tourist destinations like the Grand Canyon, Lake Powell, and Monument Valley. The hotel location has an average daily traffic of 3,254. Construction would create 300 temporary jobs and 50-65 long term jobs when completed. Pilot funds would be used for the HVAC, electrical, and plumbing of the hotel.



Rendering of the future Shonto Hotel

VII. Summary

With the continuation of the AML Pilot Program through FY 2019, OSMRE has seen sustained interest from public and private stakeholders to align and expand the scope of economic and community development projects in conjunction with AML Pilot investment. Each state/tribal AML program has been encouraged to collaborate with its respective state and local economic development authorities and local communities to identify and fund projects with the greatest potential for economic development. OSMRE has also encouraged states to work with local organizations engaged in comprehensive strategic community or regional development.