



ARIPPA AML/AMD RECLAMATION \$5,000 AWARDS

**All proposals must be postmarked by
July 8, 2016**

**Awards granted under the guidance and administration of
EPCAMR and WPCAMR:**

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**Copies of this application are available online at:
www.amrclearinghouse.org, www.wpcamr.org,
www.epcamr.org**



ARIPPA AMD/AML RECLAMATION AWARDS

Purpose:

The Anthracite Region Independent Power Producer's Association (ARIPPA) is offering competitive awards to watershed organizations working on Abandoned Mine Land (AML) and/or Abandoned Mine Drainage (AMD) remediation projects. **The awards distributed in August 2016 will total \$5,000.**

Organized in 1988, ARIPPA is a non-profit trade association based in Camp Hill PA. Membership is located in both the Anthracite and Bituminous Regions of Pennsylvania and comprised of:

- Independent electric generating plants producing alternative energy and/or steam from coal refuse and
- Businesses associated with the coal refuse - to - alternative energy industry.

Accordingly, ARIPPA is organized to:

- advance the alternative energy electric power production industry,
- encourage education about the generation of alternative energy and related industries,
- promote the environmentally responsible production of electric power,
- promote the utilization of alternative energy electric power,
- endorse the continuity and growth of the alternative energy power production industry,
- assist in meeting this country's energy, industrial, economic, and environmental needs.

Due in part to ARIPPA member activities, **unsightly coal refuse piles and the problems associated with them are gradually disappearing.** Thousands of acres of land have been and continue to be reclaimed to a natural state or for productive use and future development. ARIPPA facilities remove and utilize coal refuse from both past and current mining activities, thereby abating acid mine drainage from coal refuse piles. ARIPPA reports that 145 million tons of coal refuse has been processed and converted into alternative energy by their member plants from 1998 to 2008. Further, the technology used to convert coal refuse to electricity, known as Circulating Fluidized Bed (CFB) technology, produces alkaline-rich ash by-products. There are many beneficial uses for CFB ash including; filling mine pits, as a replacement for lime (mine drainage remediation), as a soil amendment at mining sites, and as a concrete additive.

The unique nature of ARIPPA's work combined with the desire to coordinate efforts with environmentally oriented groups and governmental agencies symbolize a commitment to improving the landscape and environment of our nation.

Watershed protection is one of the fastest growing areas of community-based collaboration. Throughout the country, watershed groups are playing an increasingly prominent role in environmental management. With their local focus and community base, watershed groups are building consensus and expanding participation within communities across Pennsylvania. It is not uncommon for organizations to operate on an annual unrestricted budget of less than \$5,000, while at the same time implementing \$100,000 projects that directly benefit communities and the environment.

AML projects in particular are costly and long-term endeavors often taken on by non-profit organizations that operate through grant funds. According to the Pennsylvania Department of Environmental Protection's (PADEP) Mining Reclamation Advisory Board (MRAB), the average cost of an AML project is at least \$8,000 per acre. If AMD is present on those lands, the cost could be even higher. Pennsylvania organizations have relied heavily on Pennsylvania's Growing Greener funds, which have dwindled in recent years, making it more difficult to fund AML projects. The ARIPPA AML/AMD Reclamation Awards are designed to help environmental organizations and Conservation Districts secure extra match to leverage additional funds.

The Eastern and Western Pennsylvania Coalitions for Abandoned Mine Reclamation (EPCAMR and WPCAMR respectively) are non-profit organizations working to encourage the reclamation, remediation, and redevelopment of lands and streams polluted by historic coal mining. They serve as liaisons between industry, governmental agencies, and watershed organizations and offer conferences, educational opportunities, and technical assistance. They endorse state-of-the-art technologies in conjunction with grass roots efforts to solve AML problems. EPCAMR and WPCAMR support the efforts of ARIPPA and will administer the ARIPPA AML/AMD Reclamation Awards.

Grants up to a maximum of \$2,500 will be awarded to at least one eligible environmental organization or Conservation District in the Anthracite Region and one eligible environmental organization or Conservation District in the Bituminous Region in the Commonwealth of Pennsylvania actively working on AML/AMD issues. Grant proposals should be for "on-the-ground" AML/AMD construction projects with a completion date between August 2014 and August 2016. The amount granted is dependent upon demonstrated need. Applying organizations must support the mission of ARIPPA, including the removal and conversion of coal refuse into alternative energy and the beneficial use of CFB ash for AML/AMD reclamation purposes (sample support letter provided).

Since 2010, the ARIPPA AMD/AML Reclamation Award Program funded several projects throughout the state including:

- Clearfield Creek Watershed Association (2010): \$8,000 for Swank 13 AMD Passive Treatment
- Evergreen Conservancy (2010): \$2,000 for Alternative Energy development at Tanoma Wetlands
- Earth Conservancy (2010): \$460 to replace informational signage on the Mocanaqua Loop Trail developed on abandoned mine lands.
- Schuylkill Headwaters Association (2010): \$4,770 to repair the Glendower Breach which will return a stream back to its original channel avoiding contact with coal sediment.
- Eastern Middle Anthracite Region Recovery, Inc. (2010): \$4,770 for construction of a raw water intake on the Audenreid Treatment System to increase flow to the micro-hydro turbines.
- Blackleggs Creek Watershed Association (2011): \$2,500 for the construction of a concrete pad for a lime dosing silo in the Bear Run Treatment complex.
- Stream Restoration Incorporated (2011): \$2,500 for project costs associated with removing waste coal refuse to be used in energy production and the construction of an AMD treatment system.
- Schuylkill Headwaters Association (2011): \$3,000 for the Wagner Run Restoration project to keep water in the stream channel, reducing the volume of the Pine Knot AMD discharge.
- Huber Breaker Preservation Society (2011): \$1,000 for the Huber Memorial Park Pedestrian Access Gate project to place a gate in a wrought iron fence surrounding the property.
- Eastern Middle Anthracite Region Recovery, Inc (2011): \$1,000 for the Audenreid Micro-Hydro AMD Treatment System Raw Water Intake project to provide reliable flow to the system.
- Sewickley Creek Watershed Association (2012): \$2,500 for Iron Sludge Recovery in the Marchand AMD Treatment System.
- Chestnut Ridge Chapter of Trout Unlimited (2012): \$2,500 for lime dosing.
- Babb Creek Watershed Association (2012): to utilize micro-hydroelectric turbines that utilize acid mine drainage to generate electricity
- Eastern Middle Anthracite Region Recovery, Inc (2012): for Hydroelectric refurbishment of Audenreid AMD Treatment System.
- Loyalsock Creek Watershed Association (2012): to purchase and apply limestone to continue treatment of a large AMD seep.
- Shamokin Creek Restoration Alliance (2012): to restore Roadway, remove silt pond 2, block both entrances, 3 signs
- Allegheny Valley Land Trust (2013): for construction of a system to collect sediment from a spoil pile along the Allegheny River
- Evergreen Conservancy (2013): to purchase and install a new water turbine at Tanoma Wetlands, a passive mine drainage treatment system at the headwaters of Crooked Creek, a tributary of the Allegheny River. Combined with a wind turbine and solar panels installed previously, the system will be aerated 24/7.

- Luzerne Conservation District (2013): removal of heavy sedimentation and woody debris dams within the tributary and repair and restore severely eroded stream banks and storm water outlets flowing into the stream
- Mehoopany Creek Watershed Association (2013): 50 Tons of limestone sand will be applied to the South Branch of Mehoopany Creek to increase the pH levels in the stream to improve the fishery habitat and water quality in the Mehoopany Creek watershed historically impaired by acidity
- Plymouth Historical Society (2013): cleanup of illegally dumped garbage at the historic Avondale Mine Disaster Site where EPCAMR has completed several historic preservation projects in the past, located in Plymouth Township, Luzerne County, PA
- Lackawanna River Corridor Association (2013): a real estate appraisal on the value of abandoned mine lands that are being proposed to be acquired by their partner, the Lackawanna Valley Conservancy, in an effort to secure the property to be used for future AMD Treatment of the Old Forge AMD Borehole, Old Forge Borough, Luzerne and Lackawanna Counties, PA
- Evergreen Conservancy (2014): \$1,250 to purchase of rechargeable batteries at the Tanoma Renewable Energy AMD Treatment system.
- Altman Watershed Association for Restoring the Environment, AWARE (2014): \$1,250 for construction activities associated with an AMD treatment system built in partnership with Robindale Energy
- Babb Creek Watershed Association (2014): \$1,300 for replacement parts for the Antrim AMD treatment system
- Mehoopany Creek Watershed Association (2014): \$500 for the purchase of lime sand for dosing
- Centralia Illegal Dump Site Cleanup (2014): \$700
- Huntingdon County Conservation District (2015): \$750 for Limestone Dosing of Shoup's Run
- Elk County Conservation District (2015): \$1,250 for West Creek Headwaters AML Analysis
- Allegheny Land Trust (2015): \$500 for Sign Replacement at Wingfield Pines AMD TS
- Mehoopany Creek Watershed Association (2015): \$800 for the purchase of lime sand for dosing
- Earth Conservancy (2015): \$1,200 for Askam Borehole TS Wayside EE Exhibit
- McGlynn Learning Center (2015): \$500 for Build-a-Birdhouse for AML workshop

Eligible Applicants:

- Environmental organizations with 501(c)(3) non-profit status or Conservation Districts in Pennsylvania are eligible. Organizations without 501(c)(3) non-profit status must identify a qualified non-profit to administer the grant's finances, if awarded.
- Applicants must provide a letter (sample letter available) stating the organization supports the mission of ARIPPA, including the removal-conversion of coal refuse into alternative energy and the beneficial use of CFB ash for AML-AMD reclamation purposes.

Eligible Use of Funds and Match:

Awards up to a maximum of \$2,500 will be given for on-the-ground AML/AMD projects.

The grant application should include a list of *specific* budgetary items for which funding is requested. Recipients are expected to use grant funds as outlined in their proposals, and projects should be completed between August 2015 and August 2017.

While a cash or non-cash match is *not* required for ARIPPA AML/AMD Reclamation Awards, preference will be given to applications that show match. Non-cash, in-kind contributions are acceptable and may include volunteer time, donated services, or other donated items directly relating to the development of your organization, its mission, or its project(s).

Grant Recipient Responsibilities:

IMPORTANT - Upon receipt of funding notification, your organization is required to do **all** of the following:

- Recognize ARIPPA's, EPCAMR's, and WPCAMR's sponsorship in your organization's newsletter or similar publication.
- Recognize ARIPPA, EPCAMR, and WPCAMR in all media and publicity materials distributed by your organization as you promote your project.
- Prominently display ARIPPA's, EPCAMR's, and WPCAMR's name on any project-related reports, handouts, signage, and websites.
- Recognize ARIPPA, EPCAMR, and WPCAMR in at least one press release to local print media about the project. You are encouraged to solicit local print media to write a story about the project.
- Notify ARIPPA, EPCAMR, and WPCAMR when the funded project is completed and follow up with photos and narrative of the work that was completed (an "after snapshot").

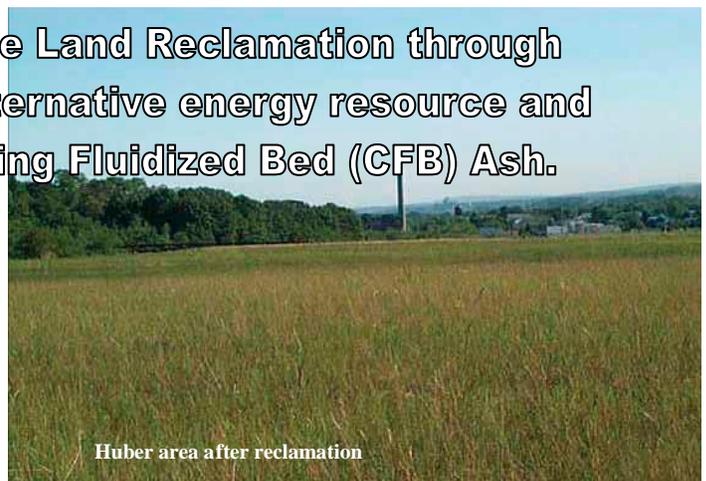
Applying for the ARIPPA AML/AMD Reclamation Awards

To apply for a grant, please do the following:

1. Contact your coal region's representative to verify that your organization and project are eligible for program funds:
 - a. Anthracite Region: Robert Hughes, Executive Director, EPCAMR, 570-371-3523, rhughes@epcamr.org
 - b. Bituminous Region: Andy McAllister, Regional Coordinator, WPCAMR, 724-832-3625, andy@wpcamr.org
2. Follow the guidelines provided in this document when preparing your application.
3. Submit one (1) complete copy of your grant application with all attachments and supporting documentation.
 - a. Preferred Delivery Method: e-mail application to anne@wpcamr.org by above deadline. Be sure to attach all the required documents stated on the Application Documentation section (page 6) to this e-mail. One word document for items 2-6 is preferred. Please send attachments in either word document or PDF formats.
 - b. Regular mail application is also acceptable and must be postmarked by above deadline to: WPCAMR, Anne Daymut, 226 Donohoe Road, Suite 110, Greensburg PA, 15601

****Your coal region's representative can answer general application submittal questions and can provide your organization with literature on the beneficial use of coal ash.**

****Once your application has been received, you will be sent a confirmation e-mail to the address listed on the cover page.**



Support Conservation and Mine Land Reclamation through the use of Coal Refuse as an alternative energy resource and the beneficial use of Circulating Fluidized Bed (CFB) Ash.

Application Documentation

Please provide the following:

1. **Grant Application Cover Page and Checklist** — the “fill-in PDF” form available with these instructions. Download, fill out & save to your desktop, then attach to application.
2. **Executive Summary** — Statement of the organization’s mission, goals, achievements, and current projects. (One page maximum.)
3. **Project Description** — Explanation of the proposed project. In your description, please answer the following questions: (Three pages maximum.)
 - a. Why are you seeking an ARIPPA AML/AMD Reclamation Award?
 - b. How will this grant help your organization attain its goals and objectives?
 - c. What current partners do you have for this project? What additional partners do you hope to bring on board?
 - d. What long-term plan will this grant assist your organization?
 - e. 2 digital photos of the project. We prefer one pre construction and one post construction photo
4. **Budget Narrative** — Table depicting the project budget. Please include specific items for which grant money is requested.
5. **Project Timeline** — Table depicting the project timeline. Please include start date, expenditure date(s), and expected tangible outcome date(s).
6. **List of Officers** — List of your organization’s officers/board members, including their contact information.
7. **IRS 501(c) (3) Determination** — Copy of your organization’s IRS 501(c) (3) tax-exempt determination letter. (In the case of those organizations without non-profit status, include a copy of your pass-through organization’s tax-exempt determination letter. See *Eligible Applicants*, page 4.)
8. **ARIPPA Mission Support Letter** — Documentation of your organization’s support of ARIPPA’s mission, including the removal and conversion of coal refuse into alternative energy and the beneficial use of CFB ash for AML/AMD reclamation purposes on your organization's letterhead. For more information on ARIPPA visit: www.arippa.org.
9. **Letters of Support** (*optional*) — Letters of support showing partners’ approval of proposed project and confidence in your organization.
10. **Other Information** (*optional*) — Additional literature or narrative that describes your organization or its project that you believe is relevant and important.