

Expression of Interest

DNR213077 - Technical

Architectural/Engineering Services
for:

Department of Natural Resources

**Replacement of HVAC at McKeever Lodge
In Pipestem Resort State Park**
Pipestem, West Virginia

04/09/13 09:49:37 AM
West Virginia Purchasing Division



Blackwood Associates, Inc.
MSES Consultants, Inc.

architects & planners
engineers & environmental



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MSES Consultants, Inc.

architects & planners
engineers & environmental

April 8, 2013

West Virginia State Purchasing Division
Attn: Guy Nisbet
2019 Washington Street East
Charleston, WV 25305-0130

Re: Architectural/Engineering Services for DNR213077 Project
HVAC Replacement at McKeever Lodge at Pipestem State Park

Dear Mr. Nisbet,

Blackwood Associates, Inc. (BAI) and **MSES Consultants, Inc. (MSES)** are pleased to submit this expression of interest in providing professional architectural and engineering services for the Department of Natural Resources McKeever Lodge HVAC Replacement Project at Pipestem Resort State Park in Pipestem, West Virginia.

Blackwood Associates, Inc. is an Architectural and Planning firm located in Fairmont, WV and would provide all project architectural planning and design. **MSES Consultants, Inc.**, is an Engineering firm located in Clarksburg, Huntington and Beckley, West Virginia, providing all engineering disciplines. The two firms have strategically partnered to become the largest full service architectural/engineering provider in West Virginia.

The **BAI/MSES** team offers a combined professional staff of over 90 people, with registered architects, engineers, LEED accredited professionals, scientists, technicians and support personnel. **BAI/MSES** is a single source that can provide all of the professional disciplines required for the architectural, engineering and environmental professional service needs.

Professional services will be managed and performed by full-time, in-house personnel out of the Fairmont, Clarksburg, Huntington and Beckley offices. **BAI** and **MSES** are West Virginia firms with a combined 81 years of providing architecture and engineering services throughout West Virginia.

We can assure a work force of sufficient size and expertise to provide immediate involvement on this project. We look forward to having the opportunity to present our qualifications and project approach on a personal basis. Thank you for your consideration.

Sincerely,

BLACKWOOD ASSOCIATES, INC.
ARCHITECTS AND PLANNERS

PAMELA J. WEAN, AIA
ACTING PRESIDENT

Blackwood Associates, Inc.
Architects and Planners
611 East Park Avenue
Fairmont, WV 26554
304-366-1580 304-366-1537 fax
pam@wvarchitects.com
<http://www.wvarchitects.com>



About Firm



About Firm

The mission of Blackwood Associates, Inc. (BAI) and MSES Consultants, Inc. (MSES) is to provide the entire range of professional services necessary to assure the successful completion of our projects. This philosophy provides our clients with a single point of responsibility. By bringing together the disciplines of architecture, interior design, engineering, and sustainable design practices into a single firm we can ensure efficient and effective service.

The firm maintains a staff of highly trained and experienced personnel, including all of the technical disciplines necessary for this project. Our personnel demonstrate the education and experience required; understanding of building codes, bidding and contract procedures, construction methods, systems integration, green building practices, 3D design modeling, BIM tools for analysis, dedicated web pages for design and bid document presentation, and construction progress monitoring. Our professionals are prepared to begin services immediately for this project, and we can accommodate the timetable from program and conceptual design review through completion of construction.

BAI/MSES maintains the necessary registrations, certifications and E/O Insurance for the project and has no litigation or arbitration proceedings with the State of West Virginia, other State Agencies or Municipalities related to the firms delivery of design services.



NEW EAST FAIRMONT MIDDLE SCHOOL

Fairmont, WV

Funding by Marion County School Bond & SBA

Bid in April 2012 for \$15.5 million

Project bid under budget, allowing MCS to add work

Blackwood Associates, Inc.

Blackwood Associates, Inc. was originally established as a West Virginia Corporation in 1959. The firm was incorporated as L.D. Schmidt & Son, Architects and Engineers, under the direction of the late Louis D. Schmidt. In 1967, James Blackwood joined the firm as an intern architect and project designer. In 1972, James Blackwood became vice-president of L.D. Schmidt & Son and then assumed the presidency of the Corporation in 1975. In 1981, the Corporate name was changed to Blackwood Associates, Inc. Architects and Planners, to reflect the practice ownership.



Firm Approach

Since that time, the firm has maintained leadership in the design of state-of-the-art governmental, municipal, residential, medical, educational, recreational, commercial and historical adaptive reuse facilities. BAI has successfully completed over 600 projects with a construction value in excess of \$600 million in the last 20 years.

BAI/MSES is familiar with all aspects of new construction, renovation, build-out design, life safety codes, IBC codes, and Federal and State codes and ordinances applicable to the proposed project. In addition, we maintain LEED accredited professionals in multiple disciplines to meet quality and performance standards. The benefits of this experience and diligence are perhaps most effectively demonstrated by our large number of long term clients and continued successful practice in West Virginia.

BAI/MSES maintains an in-house staff of professionals whose expertise covers all aspects of architecture, planning and engineering practice. We recognize the importance of computers for complete and efficient project organization, communication and document management. All word processing, design, drafting, building analysis, virtual reality, and websites are developed by the firm using cutting edge technology.

This includes the most up-to-date Masterspecs® and the improved organization and project integration with the use of Autodesk® Revit® 2013 and AutoCAD®. The firm can develop higher-quality, more accurate architectural, MEP and structural designs by supporting Building Information Modeling (BIM) workflows using Revit®. This same technology allows BAI/MSES to provide an Owner with project work product and drawings in print and AutoCAD formats at project completion.

We strongly adhere to the American Institute of Architects Code of Professional Conduct. We serve our clients competently and in a professional manner, and exercise unprejudicial and unbiased judgment on their behalf.

BAI/MSES have *never* had a project go uncompleted as a result of inadequate staffing, inability to meet Owner requirements or failure to meet established time frames. This commitment of professionalism applies to every project and client. Our caseload allows the firm to begin work immediately on the project and the firm can meet the time guidelines established for the project. The project will be completed in phases of site evaluation, geotechnical and environmental studies, design conception and schematics, development of construction documents, bidding evaluation and construction observation.

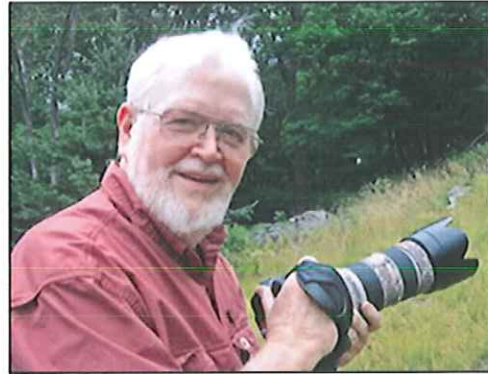


A new era in architecture

The Fairmont architectural firm Blackwood Associates, Inc. has been at the forefront in the design of state-of-the-art educational, governmental, medical, residential, recreational, historical and commercial facilities for over 50 years. On January 1, 2013, President Jim Blackwood, AIA Emeritus, officially retired from the business of architecture after 53 years of dedicated and award-winning service.

At the helm, James Blackwood has been president and principal of the successful practice and has directly influenced architecture and design of over 600 projects in excess of \$600 million.

Jim Blackwood, AIA Emeritus Retiring as President



His award-winning work has affected thousands of West Virginians lives, from the jobs created locally through small business and the construction of buildings he designed, his influence is present in the places where we work and go to school, receive our healthcare services, where we play and live. Preparing for the next phase of a rewarding life, Jim is passing the torch and retiring from the business that he has loved for 53 years.

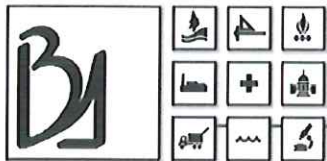
The new owners of Blackwood Associates, Inc. will be Architect Pamela Wean, AIA, as the new President, Kenton Blackwood, LEEDAP, AAIA, as Vice-President and Kitty Blackwood McShane, AAIA, becomes the new CFO.

With this new ownership, Blackwood Associates, Inc. will become the first full-service architectural firm in West Virginia to become Women Owned. With qualified and experienced designers and architects, Blackwood Associates, Inc. will continue to grow and build upon the legacy Jim Blackwood created.

The new principals have worked for Blackwood Associates, Inc. for a combined total of 61 years.

- President Pamela Wean, AIA has worked as a Senior Project Architect under Jim Blackwood for over 15 years and has designed some of BAI's largest projects, including schools, hospitals and government facilities.
- Vice President Kenton Blackwood, LEEDAP, AAIA, has played an integral part of Blackwood Associates success for over 30 years, creating virtual 3d environments and designing successful schools, hospitals, residential and commercial facilities. He also leads the firm in green sustainable design implementation.
- Kitty Blackwood McShane, AAIA, CFO, has been the Marketing Director for BAI for over 15 years, developing BAI's brand and project websites utilized by hundreds of owners, contractors, consultants, manufacturers and plan houses throughout the region.

**Blackwood Associates, Inc. Architects & Planners
will be the First Full Service Architectural Firm in
West Virginia to become Women-Owned.**



Project Approach

Phase 1

BAI/MSES will work with Department of Natural Resources to design the HVAC Upgrades project in accordance with all State, Federal and Local regulations pertaining to the project and within the approved budget. The firm will include analysis and recommendations of existing conditions at the site, land surveying, geotechnical engineering, as well as space planning, life safety, data/communications, mechanical, electrical, fire suppression/fire alarm/smoke control systems and construction phasing. The firm will be responsible for verifying, coordinating and documenting site and building components across all disciplines.

Phase 2

During the second phase of the project, BAI/MSES will provide a comprehensive design with development of construction documents, support during bidding analysis and construction observation. Once bids are accepted by the State of West Virginia for the project, BAI/MSES will proceed with the necessary Standard AIA Contracts and work with the contractor(s) to establish construction schedules to meet the time guidelines of the project.

Use of Project Websites

BAI/MSES creates project websites used by owners and reviewing agencies during the schematic and design development phases. Initial design websites are used to feature project updates, renderings and floor plans for review, as well as preconstruction site photography and site plans. The review phase for construction documents used to take weeks, where now reviewing agencies can access the most up-to-date documents immediately upon completion and download. This technology has also been proven to increase the interest of contractors and suppliers during bidding. Many years ago BAI/MSES implemented a plan to allow free bid document downloads to contractors, vendors and suppliers during the bidding phase. During construction, the website features site progress photographs and panoramas for Owner access from their offices.

With the use of free document downloads, BAI/MSES has significantly improved project communications and reduced the length of the design review phase. It also provides the owner extensive cost-saving in reproduction expenses, reduces paper usage, which reduces the environmental impact overall.



MSES consultants, inc. - The Firm

MSES Consultants, Inc. is a multi-disciplinary architectural, engineering, design, environmental, and project management firm, headquartered in Clarksburg, West Virginia. We have amassed 37 years of successful project experience, serving private and public clients since our initial founding in 1976. MSES expanded rapidly to become a provider of total architectural, engineering, design, and environmental services by the year 1978, and we have seen our ranks swell, with a current professional staff of 85, including 2 registered architects, 12 registered engineers, 1 LEED Accredited Professional, 1 Certified Industrial Hygienist, Fire Safety Specialist, Life Safety Specialist, ADA Compliance Specialist, 6 professional land surveyors, and a diverse roster of professionals, scientists, technicians, associate architects, and support personnel.

MSES has completed more than 10,000 assignments to date. We have been heavily focused on building construction, renovation, auditing, and project management since our founding in 1976, and many of our projects have involved site selection studies, designs and auditing (HVAC, plumbing, electrical, civil, structural, mechanical, lighting, fire systems, security, and telecommunications), building repairs/renovations (roofs, building envelope, site, sidewalks, electrical, civil, HVAC, plumbing, structural, safety, life safety, security and more), inspections, geotechnical investigations, assessments and reviews, environmental sampling and analysis, property evaluations and appraisals, and project management throughout West Virginia, Ohio, and Pennsylvania. MSES has become sought after by many public and private clients for construction of new facilities and renovations of existing buildings due to the breadth of our technical and professional services, the efficiency of our operations, and our unique status as a single source consultant for all the services required to successfully complete our clients' projects. For further information regarding the capabilities, history and philosophy of MSES Consultants, Inc. and its staff, we invite you to visit our website at www.msescinc.com.

MSES CONSULTANTS, INC. AND BUILDING CONSTRUCTION/RENOVATIONS

Since 1978, MSES's architectural and engineering services have been distributed nearly equally between the construction of new facilities and the renovation of existing structures, with this work focused in the governmental, public and private sectors. Our expertise has gained MSES a distinguished reputation with commercial, industrial, and manufacturing firms, the School Building Authority, county boards of education, the state's colleges and universities, and other entities as a noted leader in this field. Our extensive experience has yielded a specialized, efficient project approach, in which we incorporate the most up-to-date technologies for all aspects of audits, renovations, design, and construction. This promotes the development of modern facilities within existing structures, while preserving the character of the existing buildings and providing an enhanced environment in which to work, all accomplished within a cost effective, affordable



MSES consultants, inc. - The Firm

budget. MSES has the full time in-house staff that is experienced in all architectural, engineering, auditing, and design aspects. Our services are further complemented by full time in-house personnel with a variety of certifications and specializations, including Indoor Air Quality Specialist, Certified Industrial Hygienist, Lead-Based Paint Risk Assessor, ADA Compliance Specialist, certified asbestos personnel, life safety and fire safety engineers, air sampling personnel, bacteria and fungi sampling specialists, and other specialized disciplines. With the combination of our diversity and our 37 years of professional experience in the design, new construction, and renovation of facilities, MSES truly lives up to its reputation as a full service provider of architectural, engineering, auditing, design and environmental services.

MSES CONSULTANTS, INC. AND FACILITIES

Since its inception in 1976, MSES Consultants, Inc. has developed and maintained an intimate connection with a diverse clientele base. This has provided MSES with extensive experience in commercial, industrial, institutional, manufacturing, and other projects, ranging from supermarket store renovations to design and construction of new medical facilities. One of the unique factors that has prompted our knowledge of and responsiveness to these needs is the presence of former industrial, manufacturing, utility, and public sector/educational facility employees among our ranks of seasoned professionals.

MSES has benefited from the national and international expertise of various professionals among our ranks who have worked for such diverse entities as the Veterans Administration, West Virginia and Kentucky Departments of Transportation, USEPA, various natural gas and electric utility companies, CH2M Hill, ERM Midwest, Union Carbide Corporation, GE Specialty Chemicals, WVU and Marshall University. These key employees contribute a wealth of knowledge and a breadth of experience that is difficult to match.

In addition to employee experience, another factor for MSES's continued success is the unusual degree of longevity and company loyalty among our personnel. Our many long-term and repeat clients are appreciative of the continuity that this affords, and are refreshed with the degree of familiarity and prior knowledge with which each subsequent project is met. It is this unique combination of knowledgeable, experienced, talented, and devoted principals and employees that has brought MSES Consultants to the forefront as a provider of total architectural, engineering, environmental and management services.

Our mission is to plan and design the new construction and renovation of buildings and their interiors in order to promote productivity, enhance the quality of life of users and visitors and contribute value to the environment. We believe good design is the physical expression of sound ideas, imagination and creativity.



MSES consultants, inc. - The Firm

Rather than work from a predetermined approach, we strive to create environments that are a thoughtful response to their program mission, physical setting and functional purpose. A guiding principle of MSES Consultants, Inc. is that each project reflects the spirit and personality of its owner.

OVERALL CAPABILITIES

MSES Consultants, Inc. is one of the largest West Virginia-owned and diversified consulting architectural, engineering, environmental, and project management firms in the State. For over 37 years we have provided quality services to a wide range of federal and state agencies, public and private clients, with commercial, industrial, manufacturing, institutional, County Boards of Education, the State's college system, and other entities representing a significant portion of our past and present assignments.

Due to the many factors discussed previously, MSES is intimate with all aspects of building audits, renovations, new construction, life safety codes, IBC codes, HUD energy audits, West Virginia Fuel and Energy compliance, 504 Handicap Compliance, federal, state, and local procurement requirements, and codes and ordinances for most municipalities for building renovations and new construction. In addition, we are keenly aware of the many challenges and problems that may be inherent to these processes. The benefits of our experience and diligence are perhaps most effectively demonstrated by our large number of long term clients. For many, we have provided continuing services for multiple projects for over 25 years.

MSES' status as a West Virginia firm, our more than 37 years of experience, and the variety of services we provide, have allowed MSES and our professional staff to foster working, knowledgeable, one-on-one relationships with many local, state, and federal agency personnel. MSES maintains almost daily contact with the West Virginia Public Service Commission, the West Virginia Department of Natural Resources, West Virginia Department of Environmental Protection, Office of Oil and Gas, Homeland Security and Emergency Services Department, and the Huntington and Pittsburgh Districts of the US Army Corps of Engineers.

In addition to our work within the State of West Virginia, MSES also has extensive experience throughout much of the eastern United States, having completed ambitious projects in states such as New York, Pennsylvania, Ohio, Maryland, Virginia, Kentucky, and Tennessee. Many among our staff maintain professional registration in these states, where applicable, which are representative of a variety of disciplines.



Indefinite Delivery Contracts

INDEFINITE DELIVERY CONTRACTS

As a reward for MSES' knowledge, responsiveness, and diligence, a great deal of trust has been established between MSES and our clientele. This has resulted in the maintenance of numerous master service/indefinite delivery agreements and contracts for many of our long term clients, some of which are identified below:

- **City of Clarksburg, City Engineer** – MSES was selected in January 1999 as the Engineer for the City of Clarksburg, West Virginia, with MSES staff member John Keeling, PE, CIH, CSP, serving as the City's Engineer/Public Works Director. MSES provides the City with all its engineering, planning, code inspectors, environmental, infrastructure, and funding/budget planning needs. MSES's contract was recently renewed for three (3) years.
- **UCAR Carbon Company (formerly Union Carbide Corporation), Anmoore, WV.** MSES has maintained a long-standing relationship with this company and has assisted this facility on an ongoing basis with the plant's air emission permits, water discharge permits, solid waste compliance, and a variety of engineering projects, with the Huntington and Pittsburgh USACE Districts for Phase I and Phase II environmental screenings and real estate and mineral appraisals since 1982 and 1992, respectively.
- **Dominion Transmission, Inc. (formerly CNG Transmission Corporation)** MSES has maintained a master service agreement with this firm since 1990, for the provision of engineering, surveying, mapping, and corrosion surveys.
- **Dominion-Hope (formerly Hope Gas, Inc.)** - Since 1992, MSES has retained a master service agreement with Hope Gas which includes engineering, surveying, mapping, environmental sampling, reviews, environmental assessments, and right-of-way acquisitions.
- **Dominion-Peoples (formerly Peoples Natural Gas)** - MSES currently holds a master service agreement with this company for corrosion engineering and surveys, and internal corrosion sampling and analysis.
- **USDA Natural Resources Conservation Service** – In 2005, MSES completed the fifth year of a five (5) year indefinite delivery contract to conduct county-wide water resources studies throughout the State of WV. These involve compilation and analysis of extensive physical, chemical, geographic, and socio-economic data in order to develop feasible planning documents for the provision of safe, reliable, drinking water supplies and wastewater treatment and collection systems for designated counties throughout the state.



About Firm

- **United States Department of the Army, Huntington and Pittsburgh Districts, Corps of Engineers** - MSES has maintained annual indefinite delivery contracts with the Huntington and Pittsburgh USACE Districts for Phase I and Phase II environmental screenings and real estate and mineral appraisals since 1982 and 1992, respectively.
- **United States Postal Service** - MSES recently completed a three-year indefinite delivery services contract for environmental and engineering services of existing/newly-acquired post office sites throughout Virginia, West Virginia, and Kentucky. These services include site selection, surveys, site development planning, permitting, architectural, and Phase I/II environmental site reviews. The project services were based upon audits of existing Postal Service-owned and leased facilities, in which the buildings were evaluated to determine their compliance with energy, architectural, engineering, and safety requirements. The audit results were used to determine recommendations for the continuing use, renovation, or construction of new facilities. MSES continues to work with USPS on a project by project basis.
- **Government Services Administration (GSA)** - In 1999 MSES was awarded a five (5) year indefinite delivery contract to provide architectural, building audits, engineering, environmental, safety, indoor air quality, and project management services for buildings under GSA control within the states of Pennsylvania, West Virginia, Maryland, and Virginia. Typical services provided include building interior and exterior renovations, life safety system upgrades, fire sprinkler systems, security systems, HVAC, electrical, lighting, indoor air quality, and energy audits, to list a few.

SUPPORT FACILITIES

In order for a team to be effective, it must be supported by modern and extensive equipment, laboratory accommodations, and data processing resources. As a full service organization, MSES possesses the facilities necessary to support all aspects of its projects, from the collection of field and survey data, through the performance of physical/chemical sample collection and analysis, to the reduction, analysis, and final presentation of project data. State-of-the-art software is also used for complex modeling and data presentation, and the development of client-specific training modules, visual productions, and audio-visual media and technical support for public information/relations campaigns.

Building Renovation Support

In addition to the architectural and engineering services we provide, MSES is unique relative to any other firm in the State by maintaining a qualified staff to sample, analyze, and interpret analytical results for environmental issues that may



About Firm

often be associated with modifications to older facilities. Included among these are concerns related to asbestos-containing materials, paints containing lead, radon, and other environmental risks. MSES's staff includes Certified Industrial Hygienists, asbestos inspectors, asbestos manager/planners, asbestos abatement designers, lead based paint risk assessors, radon risk assessors, air sampling personnel, and bacteria and fungi specialists, among others. The expertise of these skilled individuals, in combination with our laboratory support facilities, ensures the accurate and timely identification of materials of concern, the development of remediation planning, and the safe and proper removal of identified materials, thus facilitating successful renovations.

Laboratories

MSES Consultants, Inc. maintains an in-house laboratory for corrosion needs and wet chemistry methods in the physico-chemical analysis of air, asbestos containing materials, lead based paint, indoor air quality, soils, surface water, and groundwater samples. Additional samples may be analyzed by laboratory facilities with whom MSES has maintained established, long-term relationships.

Data Processing/Automated Drafting

MSES has a large number of Computer-Aided Design and Drafting (CADD) systems, which increases the efficiency of planners, designers, and engineers, and allows greater design flexibility. We now have over 26 CADD units of various types and configurations in use daily on our projects. We utilize Autodesk® Revit® 2013, AutoCADD and the more powerful Intergraph CADD units for design and data reduction and presentation. In addition, we have an in-house networked system of computers and processing equipment, with a fully networked array of programs to assemble and download data, and manage tables, databases and spreadsheets. Our survey equipment, GPS instruments, and hand-held computerized data collectors are integrated to download field information directly into our in-house network system. We are versed in Geographic Information Systems (GIS) methods, with expertise in ARC/Info and Small Worlds.

The growing in-house library of computer programs includes a collection of software for survey and mapping, hydrologic/hydraulic studies, contaminant fate and transport modeling, human health-based risk analysis, water resources management, water system facility design, treatment plant design, modeling of groundwater and other natural systems, geotechnical investigations, air issues, data management, and cost estimating. In addition to engineering software, MSES uses the latest PC-based support tools to manage and enhance its assignments, including project management, spreadsheet, database management, personnel time logs, graphic, word processing, and desktop publishing.



QUALITY CONTROL

Quality control results primarily from the attention to quality given by each team member. Quality is a continuous, day-in and day-out attitude of the staff, more so than a program. However, our attention to quality has also been developed in a program as follows:

Our Continuous Quality Improvement (CQI) Program

BAI/MSES has a firm-wide CQI program that all employees participate in every week. It develops effective problem identification and solving skills that apply to all of our projects. This program is monitored by managers throughout the firm to be sure that we are constantly improving our technical and management skills. Even more important, our CQI program engenders an attitude in all of the staff to look for ways and ideas to improve the quality and effectiveness on every assignment.

Project Management and Quality Assurance Plans

Every project includes a specific project management and quality assurance plan. This assures that our projects meet our standards for correct and effective projects.

Our Standards for Successful Projects

BAI/MSES has a stellar reputation among owners, regulators, and contractors for all phases of building codes and environmental compliance, for the development of corrective solutions and effective, complete, quality designs that can be executed with confidence. This reputation is the culmination of over 80 combined years of successful projects, founded upon our extensive engineering, architectural, life safety, and compliance experience, our knowledge of jurisdictional protocol and applicable regulations, and our ability to develop corrective solutions which not only satisfy regulatory requirements, but manage to do so in a cost effective manner. We are proud of our accomplishments in the architecture, engineering and environmental arenas, and our ever-growing roster of satisfied repeat clients attests to our continued commitment to quality, dedication, and service.



Value Added Services

ENVIRONMENTAL

MSES Consultants, Inc. (MSES) was originally founded in 1976 as an Environmental Consulting Company. Over the years, MSES expanded its Environmental Services, as well as adding Civil, Electrical, Mechanical and Safety Engineering Services with Drafting and Survey provided to supplement the various Engineering expertise.

MSES' environmental capabilities are listed below:

- Environmental Permitting (Air, Wastewater, and Stormwater Discharges); Environmental Plan Preparation (Groundwater Protection, Stormwater Pollution Prevention, Facility Response Plans, Waste Management Plans, etc.);
- Environmental Inspections/Audits;
- ISO 14001 Registration Assistance;
- Environmental Regulation Compliance/Interpretation (Local, West Virginia and Federal);
- Indoor Air Quality Studies (Ventilation, Air Contaminants, Identification and Quantification, Microorganism Assessments);
- Asbestos (Inspections, Management Plans, Abatement Specifications, Abatement Monitoring, Clearance Air Monitoring);
- Lead Based Paint (Inspections, Abatement Specifications, Abatement Monitoring, Clearance Air Monitoring);
- Landfill (Design, Construction Specifications, Construction Monitoring);
- Contaminated Soil/Groundwater (Assessment, Clean-up Specifications, Clean-up Monitoring, Clearance Sampling, Voluntary Remediation Plan Preparation/Implementation);
- ASTM Phase I, II, and III (Environmental Site Assessments);
- Water System Design;
- Wastewater System Design.



Value Added Services

ENVIRONMENTAL

The MSES Staff includes the following environmental specialists:

- Civil Engineers;
- Environmental Chemists;
- Biologists;
- Meteorologist; and
- Industrial Hygienist.

MSES personnel maintain a wide variety of professional licenses/certifications. A list of licenses/certification maintained by one or more of the MSES staff is listed below:

- Registered Professional Engineer (PE);
- Certified Industrial Hygienist (CIH);
- Qualified Environmental Professional (QEP);
- Licensed Remediation Specialist (LRS);
- Licensed Asbestos Inspector;
- Licensed Asbestos Management Planner;
- Licensed Asbestos Clearance Air Monitor;
- Licensed Lead Inspector;
- Licensed Groundwater Monitoring Well Installer; and
- Licensed Underground Storage Tank Closure Specialist.

APPROACH TO ENVIRONMENTAL SURVEYS

MSES typically utilizes the following approach to environmental survey:

- Project Initiation in which Project Objectives are Defined;
- Field Work Performed;
- Analysis of Samples (if required);
- Review of Information (Data Obtained and Identification of Regulatory/Best Management Practices);
- Report Preparation; and
- Review of Findings with Client.



Professional Educations

BAI/MSES employ a professional staff of full-time professionals with experience in numerous disciplines.

Category	Number of Employees	Education		
		Associate Degrees	Bachelor Degrees	Advanced Degrees
Administrative	6	2	3	--
Architect	2	--	2	1
Architect-In-Training	2	--	2	2
Chemical Engineer	1	--	1	1
Chemist	1	--	1	--
Civil Engineer	3	--	3	--
Resident Construction Engineer	2	1	1	--
CAD/Design Draftsman	2	--	2	--
CAD/Drafter	5	3	1	--
Environmental Geographer (GIS)	1	--	1	--
Ecologist	1	--	1	1
Meteorologist	1	--	1	--
Electrical Engineer	3	--	3	--
Geologist	1	--	1	--
Hydrologist	1	--	1	1
Landscape Architect	1	--	1	--
Environmental Engineer	2	--	2	1
Mechanical Engineer	2	--	2	--
Mining Engineer	2	--	2	1
Industrial Engineer	1	--	1	--
Sanitary Engineer	2	--	2	--
Soil Engineer	2	--	2	--
Transportation Engineer	1	--	1	--
Certified Industrial Hygienist	2	--	2	--
Certified Safety Professionals	2	--	2	--
Safety Engineer	1	--	1	1
Land and Right-Of-Way Agents	3	--	3	--
Paralegal	2	--	2	--
Surveyors	6	4	2	--
Economist	1	--	1	1
Biologist	2	--	2	2
Botanist	1	--	1	1
Engineering Technicians	4	3	1	--
Survey Support	11	4	--	--
Certified Web Designer	1	--	1	--

BAI/MSES professionals are supported by the latest computers and computer software, electronic and satellite survey, computer-aided drafting and design, in field data collectors, and our in-house graphic, web development and document reproduction center.



Professional Registrations

Provided is a listing, by state, of the professional disciplines and type of registration per each state or national registry:

Discipline	BAI/MSES Staff Members Per State								National
	WV	NY	PA	MD	VA	TN	KY	OH	
Architects	2	0	0	0	0	0	0	1	1NCARB
Engineers									
Civil	3	1	2	1	3	0	3	3	
Chemical	1	0	1	0	1	0	1	1	
Electrical	3	1	2	1	2	1	1	2	
Mechanical	2	1	2	1	2	1	1	2	
Environmental	2	1	1	1	1	1	1	1	
Structural	1	0	1	0	1	0	1	0	
Safety	1	0	1	1	1	0	1	1	
Mining	1	0	1	1	1	0	1	1	
Surveyor	8	3	3	3	0	2	3	3	
LEED Accredited Professional	2	--	--	--	--	--	--	--	
Geologist	--	--	--	--	1	--	--	--	
Asbestos									
Inspectors	4	--	0	0	1	0	0	1	
Samplers	4	--	0	0	1	0	0	1	
Planner	4	--	0	0	1	0	0	1	
Manager	4	--	0	0	1	0	0	1	
Lead Risk Assessor	1	--	--	--	--	--	--	--	
Licensed Remediation Specialist	1	2	--	--	--	--	--	4	
Underground Storage Tank									
Inspector	4	0	0	0	0	0	0	0	
Designer/Installer	2	0	0	0	0	0	0	0	
Cathodic Protection Class D/E	4	0	0	0	0	0	0	0	
Certified Monitor Well Designer/Driller	4	--	2	0	--	--	0	--	2
Certified Safety Professional	--	--	--	--	--	--	--	--	
Certified Industrial Hygienist	--	--	--	--	--	--	--	--	
Certified Landfill Operator (SWANA)	--	--	--	--	--	--	--	--	
NACE Certified	--	--	--	--	--	--	--	--	
Corrosion Technician	--	--	--	--	--	--	--	--	3
Sr. Corrosion Technologist	--	--	--	--	--	--	--	--	1
Licensed Real Estate Agent	2	--	--	--	--	--	--	--	



LEED / Green Design



LEED Accredited Professionals

BAI/MSES is proud to be a member of the United States Green Building Council and for many years has incorporated a broadening spectrum of sustainable design strategies as part of our standard operations. Green building practices can greatly reduce the negative environmental impact of the construction process, and green design can provide more "livable" buildings with healthier, more productive environments and lower building maintenance and operating costs. Achieving a LEED certification for a structure is an involved process that requires professional assistance, and proper planning is essential from the very beginning of a project. With two LEED Accredited Professionals and one LEED Green Associate on staff, consideration of the Leadership in Energy and Environmental Design philosophy is integral to our design and planning process.

Our LEED APs are experienced in architectural and mechanical design and construction and are proponents of incorporating the green design philosophy into real world building projects. Building evaluations contain specific strategies used to improve building resilience and to provide adaptive benefits. These strategies can be divided into the following categories: envelope, siting and landscape, heating, cooling and lighting, water and waste, equipment and process, and operation. Common goals of LEED design are to decrease operating and maintenance costs, attract new tenants, increase building ROI, increase building/asset value, improve indoor environment and air quality, greater productivity of building occupants and increase tax incentives.

Many of these projects have featured:

- Advanced intelligent control systems (thermostats, etc..)
- Motion detected plumbing and lighting fixtures
- Design to maximize occupant comfort; day lighting (sun screens & shading)
- Passive and natural ventilation (operable windows)
- High efficiency plumbing fixtures, lighting and equipment
- Low VOC emitting materials
- Locally harvested and manufactured materials
- Community connectivity



THINK GREEN BAI/MSES LEED Capabilities



PROJECT PLANNING & DESIGN

Kenton Blackwood, LEED AP
Associate AIA
Vice President - BAI



Stacey Bowers, AIA, LEED Green Associate
Project Architect - BAI



MECHANICAL ENGINEERING/HVAC

Dave Skeen, PE, LEED AP
Project Manager - MSES



References



References

Marion County Board of Education

Planning & Design of Multiple Projects, CEEP

Contact: **Mr. Gary Price**, Superintendent

1-304-367-2107 or gprice@access.k12.wv.us

Barbour County Board of Education

Planning & Design of Multiple Projects, CEEP

Contact: **Dr. F. Joseph Super**, Superintendent

1-304-457-3030 or fsuper@access.k12.wv.us

Pleasants County Board of Education

Planning & Design of Multiple Projects, CEEP

Contact: **Mr. Michael Wells**, Superintendent

1-304-684-7099 or gwells@access.k12.wv.us

WV Division of Veterans Affairs

West Virginia State Veterans Cemetery, Institute, WV

Contact: **Mr. Keith Gwinn**, Director

1321 Plaza East – Suite 109 - Charleston, WV

1-304-558-3661 or wvvetaff@aol.com

Randolph County Board of Education

Planning & Design of Multiple Projects, CEEP

Contact: **Mr. Terry George**, Interim Superintendent

1-304-636-9150 ext. 105 or tgeorge@access.k12.wv.us

Mineral County Board of Education

Planning & Design of Multiple Projects

Contact: **Mr. Steve Peer**, Assistant Superintendent-Finance

1-304-788-4200 or gpeer@access.k12.wv.us

Human Resource Development Foundation, Inc.

Planning & Design of Multiple Projects including major renovations

Contact: **Mr. Kenny Purdue**, President - WV AFL-CIO

1-304-344-3557 or kpurdue@wvaficio.org



Key Personnel



Key Personnel

All of the following key professional staff members will be assigned to work on the project. Their specific percentage of time devoted to the contract will vary according to specific project needs.

ARCHITECTURAL:

Administrative • Architectural Design

- Pamela J. Wean, AIA – Acting President
- Jeffrey T. Wise –BAI/MSES Managing Director

Architectural Team • Code Compliance • LEED

- Kenton Q. Blackwood, LEED_{AP}, Assoc. AIA – Vice President
- Stacey L. Bowers, AIA, LEED Green Assoc. – Project Architect
- Nate H. Zirkle, Assoc. AIA – Architect-in-Training

ENGINEERING:

Administrative

- Lawrence M. Rine – Principal and Quality Assurance

Environmental

- John J. Keeling, PE, WV, CIH, CSP, QEP

Mechanical Engineering • HVAC

- David L. Skeen, PE, LEED_{AP}

Electrical Engineering

- Jeff Pauley, PE, PS



Blackwood Associates, Inc.

Pamela J. Wean, AIA

Acting President

Years of Experience with BAI: 15

Years of Experience with Other Firms: 13

Education:

Bachelor of Science - Architectural Technology, Fairmont State College

Assoc. of Applied Science - Interior Design, Fairmont State College

Registration:

Registered Architect

West Virginia - Ohio

Professional Organizations:

American Institute of Architects

West Virginia Society of Architects

National Trust for Historic Preservation

Employment History:

Plans Examiner and Code Official, City of Kettering, OH

Associate/Project Architect, Levin Porter Associates Inc., Dayton, OH

Experience Summary:

Pamela Wean joined Blackwood Associates, Inc. as an architect. Her duties include project management, development of construction documents, advanced architectural design, and technical illustrations. In addition to being a former Code Official in Ohio, she acted as designer and/or project architect on the following projects:

- New East Fairmont Middle School, Fairmont
- Fairmont Senior High School Renovations, Fairmont
- Co-Occurring Facility at Jackie Withrow Hospital, Beckley
- Simpson Elementary School Addition, Clarksburg
- Pinecrest Hospital – 5 Bed TB Unit
- Mildred Mitchell-Bateman Hospital – 35 Bed Patient Unit
- WV 120 Bed Veterans Nursing Facility
- William R. Sharpe Jr. Hospital - Transitional Facility
- Jayenne Elementary School Addition/Renovations, Fairmont
- PACETEC Training and Evaluation Center, Morgantown
- Augusta & Romney Elementary School Additions
- Tucker County High School Additions
- Tygarts Valley High School Additions
- Addition and Renovation to Anna Jarvis Elementary School





Blackwood Associates, Inc.

Kenton Q. Blackwood, LEEDAP, Associate AIA

Vice President

Years of Experience with BAI: 31

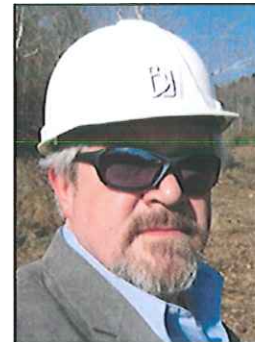
Education:

West Virginia University

Professional Organizations:

LEED Accredited Professional

Associate Member of American Institute of Architects



Experience:

Kenton Blackwood has been with Blackwood Associates, Inc. for more than 30 years. He directs the BAI staff in the planning and design of facilities throughout West Virginia. He is experienced in site evaluation and design, building program evaluation, planning and design, construction document development and on-site construction observation.

In addition, he has taken BAI to the forefront of technological architectural media with his knowledge of vector-based 3D computer modeling and CAD applications. His proficiency with "virtual reality" modeling allows BAI to use these technologies as a design tool. Where other firms may provide elevations or a traditional architectural rendering to convey an idea, BAI can take a client around and through a design, studying different forms, lighting, color schemes and finishes, and make any revisions before the first shovel of soil is overturned.

Kenton Blackwood's skills as a designer and modeler have benefited many clients. Developers, administrators, school boards, design committees, and non-profit groups have used his skills to help obtain funding and approval for proposed projects all across West Virginia.

In addition to his talent as a 3D designer, Kenton Blackwood has provided important design input on and/or served as job captain on dozens of projects. Some of these projects include:

- New Keyser Primary School, Keyser
- New St. Marys High School, St. Marys
- Donel Kinnard Memorial State Veterans Cemetery, Institute
- Junior Elementary School Additions/Renovations
- Harrison County 4-H Recreation Center, Clarksburg
- BC Bank Fairmont Branch Office, Fairmont
- SteppingStones Recreational Facility, Morgantown
- Hopemont Hospital – Exterior Upgrades
- William R. Sharpe, Jr. Hospital, Weston, WV – Courtyard Enclosure
- VA Medical Center, Clarksburg, WV - Women's Clinic
- Veterans Square Plaza and Parking Garage, Fairmont, WV – **AIA Award Winner**
- Hutchinson House Historic Restoration, Fairmont, WV – **AIA Craftsmanship Award Winner**



Blackwood Associates, Inc.

Stacey L. Bowers, AIA, LEED Green Assoc., NCARB
Project Architect

Years of Experience with BAI: 3

Education:

Master of Architecture
University of Illinois at Chicago, IL

Study Abroad via UIC Institute d'Architectura
Advancada de Catalunya, Barcelona, Spain

Bachelor of Science in Architecture
Fairmont State University, Fairmont, WV
Summa Cum Laude with Honors

Registration:

Registered Architect

West Virginia

Qualifications Certified by NCARB (National Council of Architectural Registration Boards)

Professional Organizations:

Member of American Institute of Architects
LEED Green Associate

Employment History:

Architectural and Design Intern

Vandalia Heritage Foundation, Fairmont, WV

- designed housing and commercial spaces for redevelopment projects
- designed railroad cafe, hosted meetings with potential contractors
- designed logo and marketing materials for history museum
- created drawings for preservation projects
- apartment building preservation summer project
- streetscape redesign proposal

Experience Summary:

Stacey Bowers joined Blackwood Associates, Inc. as a designer and intern architect. Her duties include project design development, project field reviews and project LEED assessment. She has been involved in the following projects:

- Ritchie County Courthouse Renovations – Harrisville, WV
- East Fairmont Middle School FF&E – Fairmont, WV
- Fairmont Senior High School Renovations, Fairmont, WV
- Clarksburg Harrison Public Library Renovations, Clarksburg, WV





Blackwood Associates, Inc.

Nathaniel H. Zirkle, Assoc. AIA

Architect Intern

Years of Experience with BAI: 3

Education:

Master of Architecture
Boston Architectural College, Boston MA
Distance Program
Graduated August 2012

Bachelor of Science in Architecture
Fairmont State University, Fairmont WV
Honors: Cum Laude

Professional Organizations:

Associate Member of American Institute of Architects

Experience Summary:

Nate Zirkle joined Blackwood Associates, Inc. as a designer and CAD technician. His duties include project design development, project field reviews and project construction observation. He has been involved in the following projects:

- Comprehensive Educational Facility Plans –
 - Mineral County
 - Marion County
 - Harrison County
 - Lewis County
 - Pleasants County
 - Randolph County
 - Barbour County
- Addition to Simpson Elementary, Bridgeport, WV
- Co-occurring Facility at Jackie Withrow Hospital, Beckley, WV
- East Fairmont Middle School, Fairmont, WV





Blackwood Associates, Inc.

MSES Consultants, Inc.

Jeffrey T. Wise

BAI/MSES Managing Director

Years of Experience with MSES: 16

Years of Experience with Other Firms: 15

Education

B. S. Mining Engineering, West Virginia University,

Professional Registrations/Certifications

West Virginia Real Estate License

Past Work History

Hope Gas, Inc.

CNG Transmission Corporation

U. S. Steel Corporation



Experience Summary

- | | |
|--|--|
| ☐ Regulatory Interaction | ☐ Phase 1 & II Investigation |
| ☐ Sampling/Laboratory Programs | ☐ Data Base Systems |
| ☐ Life Safety Codes | ☐ Health & Safety Programs |
| ☐ Specification Development | ☐ Job Costing |
| ☐ Property Evaluation | ☐ Site Surveys |
| ☐ Mapping | ☐ QA/QC Inspection & Compliance |
| ☐ Economic Feasibility | ☐ Land Planning |
| ☐ Site Development | ☐ Brownfields Specialist |
| ☐ Site Utilities | ☐ Water/Wastewater Systems |
| ☐ Erosion and Sediment Planning | ☐ Stormwater |
| ☐ Code Compliance | ☐ Appraisals |
| ☐ Market Analysis | ☐ Commercial/Retail Development |
| ☐ Risk Assessment/Analysis | |
| ☐ Project Management (Partial List of Projects) | |

Marion County Schools, Countywide School Improvement Bond, Fairmont, WV

Mineral County Schools, Countywide School Improvement Planning, Keyser, WV

Pleasants County Schools, Countywide School Improvement Bond, St. Marys, WV

WVU President's House, Morgantown, WV

Stonewall Jackson Lake State Park Lodge and Conference Center, Roanoke, WV

Veterans Square Parking Garage, Fairmont, WV

Fairmont State College Athletic Complex Lighting, Fairmont, WV

Erickson All Sports Athletic Complex, Parkersburg, WV

Hazelton Prison, FBOP, Hazelton, WV (Civil Planning)

VA Medical Center, Clinical Space, Clarksburg, WV

CDC/NIOSH North Parking, Morgantown, WV

Ripley High School, Ripley, WV

Robert L. Bland Middle School, Weston, WV

Marion County Schools, 4 School Additions, Fairmont, WV

Lewis County Schools, Countywide School Improvement Bond, Weston, WV

120 Bed VA Nursing Home, Clarksburg, WV

DHHR - State Office Complex, Clarksburg, WV

City of Ripley - Municipal Building, Ripley, WV



MSES Consultants, Inc.

Lawrence M. Rine

Principal and Quality Assurance/Quality Control Manager

Years of Experience with MSES: 36

Years of Experience with Other Firms: 14

Education

B. S. Mechanical Engineering, West Virginia Institute of Technology

B. S. Mining Engineering, West Virginia Institute of Technology

Masters Study, Environmental Engineering, Cornell University



Professional Registrations/Certifications

Certified Monitoring Well Designer and Installer - WVDEP

Licensed West Virginia Underground Storage Tank Closure/Installation Specialist

Class I Certified Public Water Supply Operator, West Virginia

Class II Certified Wastewater Treatment Plant Operator, West Virginia

Certified Commercial Applicator, West Virginia and Pennsylvania

Radiation Safety Officer - NRC

Certified Asbestos Inspector/Manager/Planner/Clearance Air Monitor - WVBOH

Licensed Remediation Specialist - WVDEP

Certified Mineral Appraiser - U. S. Army Corps of Engineers

Member State School Building Authority - Indoor Air Quality Committee

Professional Organizations

West Virginia Independent Oil and Gas Association (Environmental Committee Member)

Virginia Independent Oil and Gas Association (Association's Outstanding Member, 1990)

Pennsylvania Independent Oil and Gas Association

National Society of Professional Engineers

West Virginia Society of Professional Engineers, T. Moore Jackson Chapter

West Virginia Surface Mine and Reclamation Association

Past Work History

CNG Transmission Corporation

Experience Summary

Job Costing

Management

Groundwater Modeling/Monitoring

Earth Sciences

Risk Assessment/Analysis

Regulatory Interaction

Economic Feasibility

Phase I/II Investigation

Remediation (Design and Permitting)

RCRA Waste Units

Drilling Programs

Bioremediation

Sampling/Laboratory Programs

Property Evaluations

NPDES Permitting

Municipal Engineering

Code Compliance

E-911 Systems

Waste Management/Minimization

Hazardous Waste Management

Asbestos Assessment

Lead Base Paint Assessment

NORM Assessment

Brownfields Specialist

Mapping

Noise Assessment

SARA Title III

Specification Development

Environmental Impact Statements

Data Processing

Public Mtg. & Proj. Explanation

QA/QC Inspection & Compliance

Architectural Support

Radon

Water/Wastewater Systems

GIS Systems/Data Management



MSES Consultants, Inc.

John J. Keeling, P.E., C.I.H., C.S.P., Q.E.P., L.R.S.

Principal and Project Manager

Years of Experience with MSES: 23

Years of Experience with Other Firms: 15

Education

B. S. Civil Engineering, University of Kentucky



Professional Registrations/Certifications

Registered Professional Engineer - West Virginia, Kentucky & Pennsylvania
 Certified Industrial Hygienist, American Board of Industrial Hygiene
 Certified Safety Professional, Board of Certified Safety Professionals
 Qualified Environmental Professional, Institute of Professional Environmental Practice
 Licensed Remediation Specialist, West Virginia, New York, and Ohio BOH
 Certified Visible Emissions Observer - USEPA
 Licensed Asbestos Inspector/Manag. Planner/Clearance Air Monitor - WVBOH & Ohio
 Underground Storage Tank Closure Specialist/Installer - WVDEP
 Certified Monitoring Well Designer and Installer - WVDEP

Professional Organizations

American Society of Safety Engineers
 American Industrial Hygiene Association
 Air and Waste Management Association
 Harrison County SARA Title III Local Emergency Planning Committee - Chairman
 West Virginia Chapter of Air and Waste Management Association - Vice Chairperson

Past Work History

Union Carbide Corporation
 Kentucky Department of Transportation

Experience Summary

- | | |
|--|--|
| ☐ Job Costing | ☐ Air Emission Regulatory Compliance |
| ☐ Management | ☐ NPDES Permitting |
| ☐ Earth Sciences | ☐ Waste Management/Minimization |
| ☐ Risk Assessment/Analysis | ☐ Hazardous Waste Management |
| ☐ Regulatory Interaction | ☐ Air Emission Modeling |
| ☐ Economic Feasibility | ☐ Asbestos Assessment |
| ☐ Phase I/II Investigation | ☐ Lead Base Paint Assessment |
| ☐ Remediation (Design and Permitting) | ☐ NORM Assessment |
| ☐ RCRA Waste Units | ☐ Brownfields Specialist |
| ☐ Drilling Programs | ☐ Health & Safety |
| ☐ Bioremediation | ☐ Noise Assessment |
| ☐ Geographic and Hydrologic Studies | ☐ Hydrologic and Hydraulic Analysis |
| ☐ Sampling/Laboratory Programs | ☐ SARA Title III |
| ☐ Air Permitting | ☐ Specification Development |
| ☐ Indoor Air Quality | ☐ Earth Sciences |
| ☐ Code Compliance | ☐ Environmental/Architectural Support |
| ☐ E-911 Systems | ☐ GIS Systems |



MSES Consultants, Inc.

David L. Skeen, P. E., LEEDAP

Senior Project Engineer

Years of Experience with MSES: 25

Years of Experience with Other Firms: 13

Education

BS Mechanical Engineering, West Virginia State College, 1974

BS Mathematics, Marshall University, 1975



Professional Registrations/Certifications

Professional Engineer - West Virginia, Ohio, Pennsylvania and Kentucky

LEED Accredited Professional – US Green Building Council

ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers)

Professional Organizations

National Society of Professional Engineers

AIA West Virginia Chapter, Associate Member

Past Work History

Marshall University

Paul E. Cook Engineering, Inc.

Experience Summary

- | | |
|--|--|
| ☐ Project Management | ☐ Regulatory Interaction |
| ☐ Indoor Air Quality | ☐ Life Safety Codes |
| ☐ Noise Assessment | ☐ Economic Feasibility |
| ☐ Specification Development | ☐ National Electric Code Compliance |
| ☐ Job Costing | ☐ Fire Protection Systems |
| ☐ Emergency Power Generator | ☐ Energy Management systems/Audits |
| ☐ HVAC Systems Design | ☐ Specialty Ventilation Systems |
| ☐ Boiler System (Hot Water/Steam) | ☐ Architectural Support/Mechanical |
| ☐ Code Compliance | ☐ Ground Source HVAC Systems |
| ☐ Laboratory Exhaust Systems | ☐ Kitchen Ventilation Systems |
| ☐ Isolation Room HVAC Systems | |
| ☐ Energy Recovery Ventilation Systems | |



MSES Consultants, Inc.

Jeffrey K. Pauley, P.E., P.S.

Project Manager/Engineer

Years of Experience with MSES: 17

Years of Experience with Other Firms: 7

Education

B. S., Electrical Engineering, Tennessee Tech University

Professional Registrations/Certifications

Registered Professional Engineer - West Virginia, Ohio, N.Y., Penn.

Maryland, Virginia, North Carolina, and District of Columbia

Professional Surveyor - West Virginia

Licensed State of West Virginia Master Electrician



Professional Organizations

National Society of Professional Engineers

Member Harrison County BOCA Appeals Board

Past Work History

Allegheny Power Company

Experience Summary

- | | |
|--|--|
| ☐ Project Management | ☐ Regulatory Interaction |
| ☐ Data Base Systems | ☐ Computer Modeling |
| ☐ Life Safety Codes | ☐ Specification Development |
| ☐ Job Costing | ☐ QA/QC Inspection & Compliance |
| ☐ Economic Feasibility | ☐ Lighting |
| ☐ Power Systems | ☐ Fire Alarm Systems |
| ☐ Telecommunications/Computer Systems | ☐ Emergency Generator |
| ☐ Power Distribution | ☐ National Electric Code Compliance |
| ☐ Code Compliance | ☐ Architectural Support/Electrical |
| ☐ Site Surveys | ☐ Mapping |
| ☐ Site Development | ☐ Site Utilities |
| ☐ Cathodic Protection Design/Testing | ☐ AC Mitigation Design/Testing |
| ☐ GPS Surveys | ☐ Close Interval Surveys |



Relevant Experience



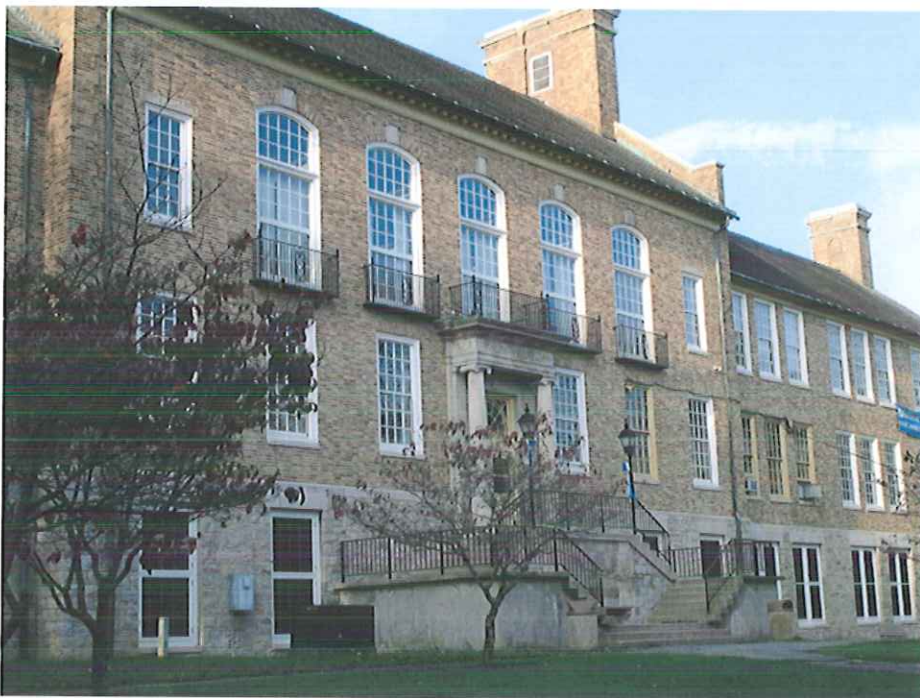
Relevant Experience

MARION COUNTY BOARD OF EDUCATION

Fairmont Senior High School

Multi year Additions and Renovations with HVAC

Blackwood Associates, Inc./MSES Consultants, Inc. recently bid the Fairmont Senior High School Renovations & Upgrades project for Marion County Board of Education. The project was \$14 million and is currently under construction.



Work includes:

- Removal of existing windows, guards, blinds, & window A/C units.
- Removal and replacement of HVAC system.
- Installation of new windows, guards and blinds.
- Installation of sprinklers.
- Installation of ceilings.
- Plaster patching.
- Removal and replacement of lighting.
- Removal and replacement of fire alarm.



Relevant Experience

MARION COUNTY BOARD OF EDUCATION

Jayenne Elementary School
Multi year Additions and Renovations with HVAC

Blackwood Associates, Inc./MSES Consultants, Inc. was selected to provide architectural/ engineering services for the new Jayenne Elementary School Classroom Addition project in Fairmont, West Virginia. The project was funded through the School Building Authority.

The \$2.9 million project work included a three-story addition with 6 classrooms, elevator and associated rooms. Renovations to the existing school included interior finishes, sprinklers, plumbing, mechanical and electrical upgrades.





Relevant Experience

LEWIS COUNTY BOARD OF EDUCATION

Robert L. Bland Middle School
Multi year Additions and Renovations – HVAC

Blackwood Associates, Inc./MSES Consultants, Inc. were selected by Lewis County Board of Education for the renovation project recently completed at Robert L. Bland Middle School. The project was constructed for \$6 million.



Work consisted of:

A new fire alarm system and sprinkler system in the Votech Building; replacement of all curtain wall systems with new masonry infill and aluminum windows; new aluminum windows on the gymnasium; roof replacement on 1991 building addition; furnishing and installation of ceilings in corridors and classrooms; new light fixtures in corridors and classrooms and new receptacles in classrooms; replacement of campus intercom system; removal and replacement of existing asbestos containing floor tile and partitions; improving the acoustics of the Band Room; security fencing; upgrading of existing restrooms for ADA compliance; restroom exhaust and heating upgrades; HVAC upgrades to the main building and related electrical upgrades; connection of the main building with the Votech; conversion of shop areas in Votech to classrooms.



Relevant Experience



Tucker County High School Additions and Renovations Tucker County, WV

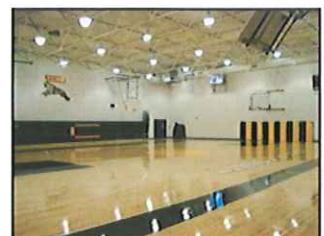
Tucker County Board of Education

The West Virginia School Building Authority selected Tucker County High School as a major needs project under 1998 funding. The original \$1.2 million grant was to include:

- Reconstruct and re-roofing of the Career Center Building to solve water and roof icing problems.
- Construction of a 10,500 SF addition that would join the Career Center Building and present High School. The addition included a new entrance/lobby, student/commons area, media center, science classroom/lab and art room. The addition would also solve the problem of an 8 foot difference in elevation between the two buildings.
- Work also included replacement of the existing High School mechanical and ventilation system to meet current codes and requirements.
- In 2000, the school was awarded another needs project for construction of an 8,000 s.f. addition to include a new 250 seat auditorium and music facilities. The SBA also provided funding for the renovation of the gymnasium with new bleachers and flooring. The existing High School was also repainted and flooring, ceilings and lights were replaced.

The \$5.0 million project was completed in 2001 by G.A.. Brown & Son of Fairmont, the successful contractor.

For additional information:
visit www.wvarchitects.com/education/tchs.htm





Relevant Experience

HIGH SCHOOL RENOVATIONS -

HARRISON COUNTY BOARD OF EDUCATION

Bridgeport High School

Lincoln High School

JACKSON COUNTY BOARD OF EDUCATION

Ripley High School

Ravenswood High School

BRAXTON COUNTY BOARD OF EDUCATION

Braxton County High School



HAMPSHIRE COUNTY BOARD OF EDUCATION

Hampshire High School

Hampshire High School Special Services

OHIO COUNTY BOARD OF EDUCATION

Wheeling Park High School



RANDOLPH COUNTY BOARD OF EDUCATION

Tygart's Valley High School

MARION COUNTY BOARD OF EDUCATION

Fairmont Senior High School Renovations

North Marion High School - HVAC





Relevant Experience

ELEMENTARY/MIDDLE SCHOOLS -

MARION COUNTY BOARD OF EDUCATION

Blackshere Elementary School

Four classroom addition

Pleasant Valley Elementary School

Six classroom addition, cafeteria, multi-purpose room, and administrative offices

Barrackville Middle School

Four classroom addition and restrooms

White Hall Elementary School

Two classroom addition, multi-purpose room, computer lab, and administrative offices

Jayenne Elementary School

Two classroom addition, multi-purpose room, and cafeteria/kitchen addition, HVAC upgrades

HAMPSHIRE COUNTY BOARD OF EDUCATION

Augusta Elementary School

Six classroom addition

Romney Elementary School

Six classroom addition



POCAHONTAS COUNTY BOARD OF EDUCATION

Marlinton Elementary School

Six classroom addition, kitchen addition, multi-purpose room, computer room, and offices



Relevant Experience

ELEMENTARY/MIDDLE SCHOOLS –

LEWIS COUNTY BOARD OF EDUCATION

Robert L. Bland Middle School

Multi year Additions and Renovations – HVAC

Jane Lew Elementary School

2 Classroom Addition

HARRISON COUNTY BOARD OF EDUCATION

Washington Irving Middle School

Renovation – HVAC Replacement

BARBOUR COUNTY BOARD OF EDUCATION

Philippi Elementary School

Six classroom addition

RANDOLPH COUNTY BOARD OF EDUCATION

Third Ward Elementary School

Renovations – HVAC

This project bid in August 2011 and came in on budget at \$2,550,000.00. The project is funded by SBA (MIP) and Owner (QZAB). Work includes installation of a sprinkler system and fire alarm system, replacement of the HVAC systems, replacement of the lighting systems, upgrades to the electric and data wiring, security, technology and communications systems, replacement of toilet partitions and some plumbing fixtures, replacement of ceiling systems, replacement of floor finishes, painting of walls, and replacement of some doors.

Work to the exterior includes masonry cleaning and repair, cleaning and painting of metal soffits, and lighting upgrades, as well as replacement of portions of the exterior concrete sidewalks, resurfacing of the asphalt paving including replacement of the gravel sub-base.



West Virginia Veterans Home Renovations Barboursville, WV



Blackwood Associates, Inc./MSES Consultants, Inc. were selected by the West Virginia Division of Veterans Affairs to provide construction documents for renovations at the State Veterans Home.

The State had submitted a Grant Application to VA for a \$1.9 million project where the VA match of \$1.2 million was overlooked and nearly lost. BAI/MSES fast-tracked the preparation of documents and bid the project in a less than two months and the Grant was saved. A Certificate of Need was not required on this project.

WORK INCLUDED:

- HVAC replacement
- Masonry repair and sealing
- Window replacement
- Paving, sidewalk repair
- Utility repair, replacement
- Door hardware replacement
- Chairlift installation
- New finishes



Relevant Experience

New Lodge, Stonewall Jackson State Park

Mechanical and Electrical Systems including heating/cooling plant, water source heat pump system for guest rooms, restaurant, lobby and conference spaces, services for kitchen with cutting edge food preparation equipment, indoor pool with specialized lighting and HVAC systems with dehumidification and heat recovery.

East Fairmont Middle School, Fairmont, WV

Mechanical and Electrical Systems, including variable refrigerant flow systems for occupied spaces and design of services to kitchen for service of 1200 meals per day.

Harrison County 4H Recreational Center, Clarksburg, WV

Mechanical and Electrical Systems for Offices, conference center with service kitchen.

West Virginia Behavioral Health Complex, Weston, WV

Mechanical and Electrical Systems including central heating and cooling plant, and systems for residential spaces, congregation spaces and administrative offices, indoor pool with dehumidification systems

Heritage Truck Sales and Repair Facility

Louisa, Kentucky

Design – Build Width G&G Builders

Scott Depot, West Virginia

Gary Young, President

304.757.9196

MSES consultants, inc. (MSES) was the engineer-of-record for the mechanical, electrical, plumbing, life safety, heating, air conditioning, specialty ventilation, and waste management for design-build of two single story buildings. A 16,000 square foot eight bay pre-engineered metal building for heavy duty truck and equipment repairs and a 15,000 square foot masonry sales, parts inventory, employee break room, and private company office building was constructed by the design-build method. The truck repair facility consisted of a high-bay building for large trucks and equipment repairs, with two bays for oil changes and fuel system repairs and services; two bays for equipment washing and parts cleaning; four repair bays with a ground floor employee break room, kitchenette, showers, and locker room. The office, sales, and warehouse building consisted of eight private company offices. Sales area consisted of open low-partition wall concept, with ten sale cubicles, and large customer waiting area, with audio visual entertainment, vending, and restrooms. The warehouse area consisted of 10,000 square feet of parts inventory and sales.

Environmental waste collection facilities were provided for waste collection and recycling. Life safety systems and safety showers were part of the building's design and used oil/diesel fuel heating system to power steam generator for parts washing. Building was completed within budget and on schedule.



Current Project Experience

With References



Marion County Schools
New East Fairmont Middle School
 Fairmont, West Virginia
 Under Construction
 Contact: Gary Price, Superintendent
 304-367-2100 or gprice@access.k12.wv.us



Mineral County Schools
New Keyser Primary School
 Keyser, West Virginia
 Under Construction
 Contact: Steve Peer, Assist. Super.
 1-304-788-4200 or gpeer@access.k12.wv.us



Pleasants County Schools
New St. Marys High School
 St. Marys, West Virginia
 Bid
 Contact: Michael Wells, Superintendent
 1-304-684-7099 or gwells@access.k12.wv.us



WV Division of Veterans Affairs
West Virginia State Veterans Cemetery, Institute, WV
 Completed Construction
 Contact: Keith Gwinn, Director
 1321 Plaza East-Suite 109 - Charleston, WV
 1-304-558-3661 or wvvetaff@aol.com





Past Project Experience



City of Ripley Municipal Building

Ripley, West Virginia

\$1,800,000.00

Reference: Tim King

City Engineer

304-372-3482



Harrison County 4H Facility

Clarksburg, West Virginia

\$3,240,000.00

Reference: Mike Book

Director of Harrison County Parks & Rec.

304-624-0481



William R. Sharpe Jr. Hospital

Transitional Facility

Weston, West Virginia

\$2,100,000.00

Reference: Mr. David Hildreth

(304) 558-0510



Marion County Schools

Comprehensive Facility Planning & School Design

Fairmont, West Virginia

Several projects ongoing

Reference: Gary Price, Superintendent

304-367-2100



PACE TEC Training & Evaluation Center

Morgantown, West Virginia

\$2,900,000.00

304-599-0513



SteppingStones Recreational Center

Morgantown, West Virginia

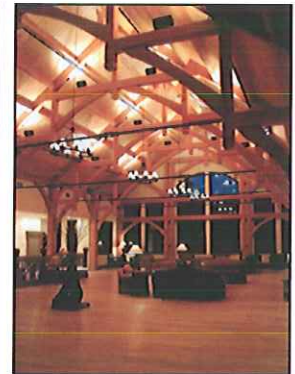
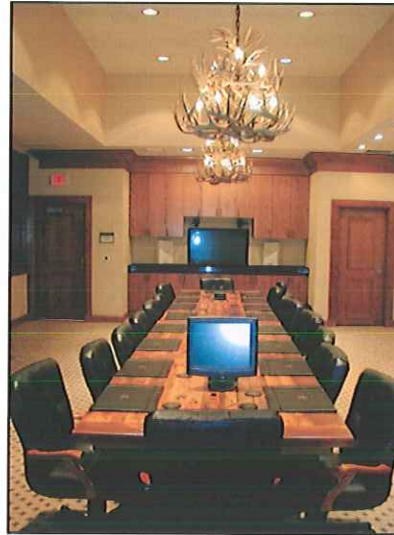
\$1,100,000.00



Past Project Experience



Stonewall Resort & Conference Center
Lewis County, WV
\$22 Million



Pickens School
Pickens, WV
\$3.3 Million



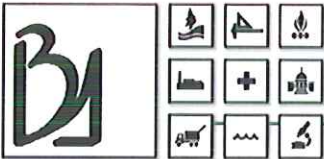
WV Veterans Nursing Facility
Clarksburg, WV
\$22 Million



William R. Sharpe Jr. Hospital
Weston, WV
\$30 Million



BC Bank Branch Facility
Fairmont, WV
\$2 Million



Required Forms

Certification and Signature Page
Addendum Acknowledgement Form
Purchasing Affidavit

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

BLACKWOOD ASSOC., INC.
(Company)

Pamela Jean
(Authorized Signature)

PAMELA J. WEAN
(Representative Name, Title)

304-300-1520 / 304-300-1537
(Phone Number) (Fax Number)

4-8-13
(Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: DNR213077

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| ☒ Addendum No. 1 | ☐ Addendum No. 6 |
| ☐ Addendum No. 2 | ☐ Addendum No. 7 |
| ☐ Addendum No. 3 | ☐ Addendum No. 8 |
| ☐ Addendum No. 4 | ☐ Addendum No. 9 |
| ☐ Addendum No. 5 | ☐ Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Blackwood Associates, Inc.
 Company
Kitty Blackwood McShane
 Authorized Signature
4-2-13
 Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
 Revised 6/8/2012

RFQ No. DNR213077STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

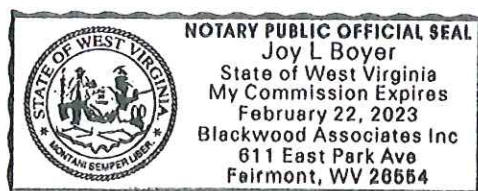
WITNESS THE FOLLOWING SIGNATURE:Vendor's Name: PAMELA J. WEANAuthorized Signature: Pamela JulianDate: 4-8-13State of West VirginiaCounty of Mason, to-wit:Taken, subscribed, and sworn to before me this 8th day of April, 2013My Commission expires Feb 22, 2023, 20 .

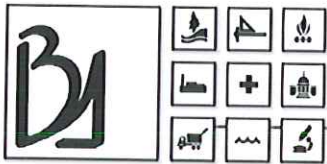
AFFIX SEAL HERE

NOTARY PUBLIC

Joy L. Boyer

Purchasing Affidavit (Revised 07/01/2012)





Firm Contact Information

Blackwood Associates, Inc.

Architects and Planners
611 East Park Avenue
Fairmont, WV 26554
304-366-1580 304-366-1537 fax
pam@wvarchitects.com
<http://www.wvarchitects.com>

MSES Consultants, Inc.

Engineers and Environmental
609 West Main Street
Clarksburg, WV 26302
304-624-9700 304-622-0981 fax
<http://www.msesinc.com>

MSES Beckley Office:

Pinecrest Plaza South
201 Grey Flats Road, Suite 105
Beckley, WV 25801
304-731-4700 304-252-5796 fax