

# Expression of Interest West Virginia – Department of Agriculture Warehouse Electrical Service and Distribution System Upgrades – Ripley, WV CEOI 1400 AGR1800000002 March 8, 2018



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Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130



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## The Miller Engineering Difference



We are very pleased to submit our response for the WV Department of Agriculture Warehouse Electrical Project in Ripley, WV. Miller Engineering has performed many electrical system evaluations over the years, often as part of a larger project such as a building renovation or an HVAC upgrade. We have evaluated, designed repairs or replacements, and assisted in emergency restorations on many facilities over the years. These include secondary system to 6,000 amps of 480 and services up to 23KV. Electrical systems have the potential to do harm if they are not properly design and maintained. As such it is imperative that the facilities be

operable and maintainable in a personnel safe manner. Our services have included third party electrical inspection of both commercial and residential electrical system for the last eight years. Jack, our Master Code Official has sat on many National Electric Code panels through the years and is considered a "go to" resource within and beyond the state. During my tenure at WVU, I provided engineering support to the maintenance staff in the form of real-time field assistance, as well as design of modifications to and repairs of the campus electrical systems. Travis Taylor worked for a number of years as a project manager for a large electrical contractor and has performed design on both mechanical and electrical systems since joining MEI.

We're not your typical MEP firm; we ensure our designs meet very specific, time-tested criteria, including but not limited to being constructible, operable and maintainable. We want to set up our clients to be self-sufficient, but we work to be available every step of the way.

Our hands-on staff takes great pride in their construction and operations backgrounds, which help us visualize the project as it would be built instead of just lines on paper. We don't sit clients down and lecture to them about what they're going to get; we listen to them so we can strive to deliver exactly what they want and need. It costs too much time and money (for both our clients and us) to not deliver exceptional service every single time, and we work tirelessly to keep projects on time and on budget. We're proud to say that our change order percentage over the last 8 years is less than 0.1%, and that's not just a statistic; it's a proclamation of our commitment and determination to make sure things are done right the first time, every time.

Miller Engineering has completed several successful projects for the State of West Virginia in the previous two years. We currently have an HVAC renovation project under construction at Building 22 for GSD and are designing an addition to Cacapon Lodge for DNR. We have experience with the requirements and processes of state procurement, and can deliver a successful project from design through close-out and warranty. I would like to personally thank you for affording Miller Engineering the opportunity to propose on the Ripley Warehouse Electrical Project for the WV Department of Agriculture.

Best regards,

Craig Miller
President/Owner

Miller Engineering, Inc.



# WV Department of Agriculture Warehouse Electrical Project Concept

## Concept:

The first step in addressing the concerns related to the USDA Warehouse electrical project is detailed evaluation. This will include discussions with the Owner concerning operational issues, review of restrictions, and an on-site evaluation of the building systems in general. Particular attention will be given to access/ operability concerns for maintenance personnel. The evaluation will be based on the National Electric Code, Supporting codes such as NFPA 70E, best industry practices, and some 80 years of combined experience.

Once the existing systems are evaluated, then a written report with recommendations will be prepared to serve as the basis of discussion of the scope of work with the Owner. There are certain items which, once the system is "touched" for renovation, must be addressed by code. The recommendations will be broken down with such items as "mandates" and others as "options". Deferred maintenance concerns observed will be included in the report and discussion. MEI will review these in detail with the Owner and utilize the Owner's decisions to prepare documents and competitively bid the renovations necessary to meet the operational goals of the project. The team will evaluate the bids as requested and will perform construction administration to implement the renovation.

MEI will likely perform the project entirely unless detailed field electrical testing/ equipment analysis or major structural or sitework modifications were discovered to be necessary. MEI has relationships with third party testing agencies should the need arise. MEI will be the sole contracting entity for the project.

MEI understands that the work product will become the property of the agency and may be used or shared. It is also our understanding that, with WV state law, such use results in indemnification of our firm for any outcomes related to use in this manner.

MEI has never had a vendor complaint filed against it. In the history of Miller Engineering, there have been no adverse professional regulatory assertions or actions against our firm. We have never been terminated from a contract, had any debarments, suspensions or sanctions from any state Board governing our services. MEI has been involved as a defendant in one litigation case since its inception in 2003. The claim related to an asserted HVAC design deficiency which was never proven. The matter was settled by our insurance carrier; whose professional witnesses found our design to be in accordance with professional design standards.



## Project Organization (Timing):

Our current work load is such that providing the services requested presents no concerns at this time.

## Anticipated Schedule:

Evaluation - 4 weeks
Report and Recommendations - 4 weeks
Owner Review and Decisions - 2 weeks
Contract Documents - 8 to 12 weeks
Bidding - Assumes 8 weeks
Construction - TBD

Respectfully submitted this 8th day of March 2018.

Craig Miller PE

President

Miller Engineering, Inc





## Firm Profile

MILLER ENGINEERING is a solely held (S) corporation owned by Craig Miller PE, President. The corporation maintains a Certificate of Authority with the WV State PE Board and has carried professional liability insurance since its inception.

Neither the firm nor its professional engineers have ever faced disciplinary action in any form from the states in which they are registered.

Our engineered solutions involve a detailed assessment process: investigation, observation, communication with stakeholders, system analysis, building modeling and engagement from our entire team. We approach each and every project with this process and the guiding principle that buildings are designed to be livable and function in their intended purpose.



Over the past 14 years Miller Engineering, Inc. (MEI) has engineered solutions for over \$23.2M in MEP system upgrades, repairs and renovations for projects of all scopes and sizes, with clients ranging from private owners to local and state governments. With a strict attention to detail and commitment to delivering a job done well and done right the first time, every time, MEI has accumulated a change order percentage of less than 0.1% over the past 8 years.

Our team has unique skill-sets regarding engineered renovation solutions. Each member of the team has hands-on mechanical system experience including installation, construction, design and maintenance.

Miller Engineering takes pride in being different by design, and that difference shines through in all phases of our work and continued relationships with our clients.



- Quality, Value-Engineered Project Delivery
- Qualified Construction Representative on Staff
  - LEED-AP Certified
  - Below Industry Change Order Status
    - Building Information Modeling
    - Emergency Facility Response

## Engineering Design and Consultation

- Mechanical
- Electrical
- Plumbing
- HVAC Design
- Renovation
- New Construction
- Building Information Modeling

# Aquatic Facility Design Public Pools & Areas ADA Compliance

indoor & Outdoor (air flow)
Chlorination/Filtration

#### Construction Administration

Maintenance/Facility Improvement Plans
Contract Administration
Code Observation

## **Communication System**

Intercomm & Public Address Voice/Data/CATV Urgent Response

## Energy

Power Supply (main & backup) Green & Renewable Consulting Systems Utilization & Upgrades Sustainable Solutions

## **Facility Utilization**

Systems Assessment & Solutions
Adpative Re-use
Planning/Life-Cycle Control
Engineered Replacement

## Life Safety Inspection/Design

Fire Protection & Alarm Systems
Access Control
Fire & Electrical Investigation

#### **Industry Experience**

Education Local & State Government Commercial Development Healthcare







## B. Craig Miller, PE

Craig founded Miller Engineering in 2003, and serves as President and Principal Engineer. He has more than 20 years experience in design, specification, operations and project management. During his employment with WVU, Craig was directly involved with approximately \$130 million in new capital construction. His experience with a wide range of projects including HVAC, electrical, plumbing, infrastructure upgrades, building automation, energy efficiency and maintenance/renovation, among others, allows him to serve in multiple capacities within a given project. Craig will serve as the "Relationship"

Manager" for Miller Engineering as the main communication interface between the Owner, the design team, contractors and end users.

## Project Role: Relationship Manager - Primary Point of Contact

- Engineer in Responsible Charge
- Design and Project Management of Mechanical, Electrical, Plumbing Projects
- Concept and Construction Design
- Business Operations and Financial Management Oversight
- Quality Assurance and Control

## **Professional Project Highlights**

- Bobtown Elementary HVAC
- WVU Life Sciences Building and Student Recreation Center Owner's Engineer
- Hawks Nest/Twin Falls HVAC
- Mapletown High School HVAC Replacement Phase I & II
- Advanced Surgical Hospital
- Holly River State Park Primary Electric Service Replacements Phase | & ||
- Beech Fork State Park MEP New Construction Design
- Cheat Lake Elementary & Middle School Renovations

## **Professional History**

2003- Present Miller Engineering, Inc. 2002-2003 Casto Technical Services Existing Building 2001-2002 Uniontown Hospital Supervisor of Eng 1995-2001 West Virginia University 1990-1995 BOPARC Caretaker – Krep 1983-1988 University of Charleston Electrician/HVAC	ps Park
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#### **Education**

1995	West Virginia University	BS- Mechanical Engineering
1988	University of Charleston	BA- Mass Communications

- Professional Engineer (West Virginia, Pennsylvania, Maryland, and Ohio)
- Licensed Master Plumber
- LEED-AP Certified





## Travis Taylor, PE

Experience in project management facilitates Travis's ability to create and design constructible projects. Prior to joining the Miller Engineering team he was directly responsible for managing \$10 million in electrical construction budgets. His experiences encompass both new construction and renovation. Travis maintains professional competencies by attending seminars and continuing education classes. These include local ASHRAE classes in addition to classes on electrical systems, and also steam systems through Shippenburg Pump Company. As lead engineer he provides HVAC, mechanical,

plumbing, and electrical design solutions and services for our clients. In addition, he is part of our team's complete assessment process in both planning and MEP design through construction administration.

## **Project Role: Lead MEP Engineer**

- Design of Mechanical, Electrical, and Plumbing Systems
- Building Information Modeling Revit
- Constructible Materials Evaluation
- Site Evaluation and Mechanical System Review
- Submittal and RFP Review
- RFI Coordination, Review, and Response
- Construction Observation

## **Professional Project Highlights**

- Blackwater Falls Lodge Boiler Replacement
- MTEC Welding Shop
- North Elementary Boiler Replacement
- WV State Building 36 HVAC Upgrades
- WV State Building 25 HVAC Piping Replacement
- Graftek Steam Systems Evaluations and Modifications
- Bobtown Elementary School HVAC Upgrades
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Pipestem Lodge McKeever Lodge HVAC Piping Replacement

## Professional History

2011-Present Miller Engineering, Inc. Staff Engineer 2006-2011 Tri-County Electric, Co. Project Manager

2006-2006 Schlumberger Field Engineer Trainee - MWD

#### **Education**

2006 West Virginia University, BS – Mechanical Engineering

- Professional Engineer State of West Virginia
- OSHA 10-hour Course: Construction Safety & Health





## **Robert Angus**

20 Years of maintenance, operations, and construction management precede Rob's engagement with Miller Engineering. Professional expertise of construction project management was gained as an owner of his own contracting company specializing in residential and commercial construction, electrical, plumbing, and HVAC projects. Rob's hands-on approach, common sense and valuable work history knowledge enables him to interface with construction personnel seamlessly alongside engineers and architects. He is adept at preventing and handling issues. Rob is involved at both the design and

estimation phase to allow for continuity within the project's design and construction; at times working as a project designer.

## **Project Role: Construction Representative**

- Construction Project Representation and Management
- Construction Administration
- Project Cost Estimation
- Submittal Review
- RFI, RFPCO Review and Response

## Professional Project Highlights

- MTEC Welding Shop
- Blackwater Falls Boiler Replacement
- Morgantown High School Boiler Replacement/HVAC Upgrade
- North Elementary School Boiler/AC
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- 3<sup>RD</sup> Party Construction Observation Canaan Valley Resort
- Hawks Nest/Twin Falls HVAC
- WVU Research Building Office Renovation

## Professional History

2009- Present Mille

Miller Engineering, Inc.

**Project Construction Representative** 

2000-2009

Angus Contracting, LLC

Owner/Operator

1991-2000

**BOPARC** 

Director of Maintenance

#### **Education**

2000 Monongalia County Technical Education Center

Heating, Cooling, and Refrigeration Certification Recreation and Parks Administration

1996 West Virginia University

- Licensed West Virginia General Contractor
- Licensed West Virginia HVAC Contractor
- Certified HVAC Mechanical Contractor
- Licensed West Virginia Journeyman Electrician
- Licensed West Virginia Master Plumber
- OSHA 10-Hour Construction Safety & Health



## Staff - Qualifications and Experience



## **Jack Jamison**

Jack brings 20 years as an electrical/building inspector and over 25 years of experience in the commercial electrical construction industry. His knowledge and experience are valuable resources to Miller's complete assessment process.

## Project Role: Master Code Official

Facility Review, Code Research, Field Observations, Issue Resolutions, and Project Evaluation

## **Professional History**

2010- Present Miller Engineering, Inc. Code and Construction Specialist 1999-2010 Megco Inspections Chief Inspector

1972-1998 Megco Inspections Chief Inspector

Master Electrician

#### Education

1971 Fairmont State College, BS-Engineering Technology-Electronics

- Master Code Professional, IAEI Master Electrical Inspector, Class C Electrical Inspector WV, PA, MD, & OH
- ICC Commercial Building, Building Plans, Commercial Plumbing, Residential Energy, and Accessibility Inspector/Examiner
- WV Master Electricians License
- NCPCCI-2B, 2C, 4B, 4C: Electrical & Mechanical General/Plan Review
- OSHA 30 Hour Course: General Industry
- NFPA Code Making Panel 14 NEC 2014 Edition





## Joseph Machnik

Joe has experience with AutoCAD, MEP and Revit MEP. He provides design modeling, drafting and supervised design services and construction support for Miller Engineering.

## Project Role: MEP Designer

- Revit/CADD Coordination of New Construction and Renovation Designs
- Building Information Modeling Specialist

## **Professional Project Highlights**

- Bobtown Elementary HVAC
- WV State Building 25 HVAC Piping Replacement
- Blackwater Falls Boiler Replacement
- Suncrest Middle Gym HVAC
- North Elementary Gym HVAC
- Graftek Steam Systems Evaluations and Modifications
- WV State Building 36 HVAC Upgrades
- Pipestem Lodge HVAC Piping Replacement
- Westwood Middle Cooling Tower

## **Professional History**

2010 - Present Miller Engineering, Inc. MEP Designer

#### Education

2008 Penn State – Fayette, AS - Building Engineering Systems Technology: Building Environmental Systems Technology

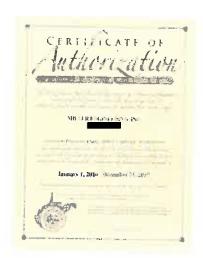
2007 Penn State – Fayette, AS - Building Engineering Systems Technology: Architectural Engineering Technology

## **Additional Training**

2016 - Shippenburg Pump Company - Steam Systems Training

## Licenses and Certifications



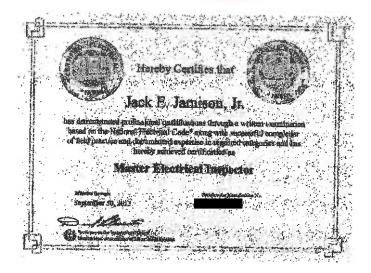






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## Staff - Proposed Staffing Plan

**Team Leader/ Primary Point of Contact** 

Craig Miller, PE

**Engineer in Responsible Charge** 

Craig Miller, PE

**Electrical Code Specialist** 

Jack Jamison

**Lead MEP Engineer** 

Travis Taylor, PE

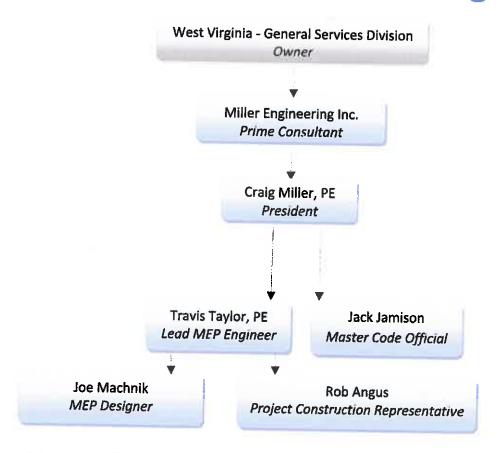
**Project Construction Representative** 

**Robert Angus** 

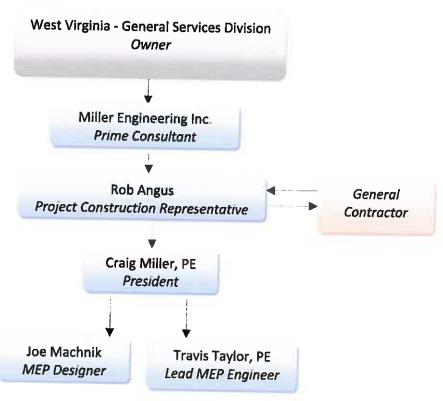
Lead Designer/BIM Specialist/BIM Coordinator

Joseph Machnik

# Organization Chart - Design



# **Organization Chart – Construction**





## What our satisfied customers have to say ...

"Hard working, do-whatever-it-takes, diligent team that provides excellent customer service is what you can expect from Miller Engineering."

--Chris Halterman

"As a design/build team, working with Miller Engineering, our project involving a private surgical hospital together was a success — completed ahead of schedule and on budget. Miller worked with us throughout the project to consult, engineer and inspect the mechanical systems. Craig Miller, PE and his staff are working with us again, and are very important members of our design/build team. I highly recommend their services.

--Richard J. Briggs

## Brad Leslie, PE

Assistant Chief WV Division of Natural Resources State Parks Section 324 4th Avenue South Charleston, WV 25303 (304) 558-2764 ext. 51823 Bradley.S.Leslie@wv.gov

#### **Bob Ashcraft**

School Safety & Loss Coordinator Monongalia County Schools 533 East Brockway Street Morgantown, WV 26501 (304) 276-0152 rbashcraft@access.k12.w.us

## Kerri J. Wade, MSW

Extension Agent - Kanawha
County
West Virginia University
4700 MacCorkle Avenue, SE
Suite 101
Charleston, WV 25304
304.720.9573
Kerri.Wade@mail.wvu.edu

## **Mike Trantham**

Program Administrator Senior WVU Environmental Health & Safety P.O. Box 6551 975 Rawley Avenue Morgantown, WV 26506 (304) 293-5785 Mike.Trantham@mail.wvu.edu

## J. Douglas Carter

General Manager
Potomac Valley Transit
Authority
185 Providence Lane
Petersburg, WV 26847
(304) 257-1414
jcarter@potomacvalleytransit.org

## Richard J. Briggs

Vice President
Lutz Briggs Schultz & Associates
Inc.
239 Country Club Drive
Ellwood City, PA 16117-5007
(724) 758-5455
Ibsa@zoominternet.net

## From Jonathan Miller, Mechanical Project Manager, Nitro Mechanical:

"Miller Engineering is not your average engineering company; they work with the owner AND the contractor to solve all issues that arise throughout the project to make the process as fluid as possible.



## Project Experience: Electrical Inspection

# Electrical Inspection Services (3<sup>rd</sup> Party)

Area of Coverage: Predominantly Northern and Central WV

#### Services Provided:

- Electric Inspection
- Code Review
- Professional Witness

Fee Vary with Service and by year Owner: Varies



Several years ago, the electrical utilities in West Virginia began requiring third party inspections of electrical service new installations. This applies to both residential and commercial customers and is to reduce the hazards associated with inexperienced personnel making mistakes. MEI has offered this service for some 9 years and during that time, we have performed many thousands of residential and many hundred commercial services inspections.

In addition, we have done whole facility code evaluations; reviewing existing conditions and reporting hazards to building owners. We are the building inspectors of record for some small towns in Northern WV and have been consulted with by the WV State Fire Marshal's Office on occasion.

Additionally, we work as professional witnesses, assisting attorneys as a technical resource in litigation related to deaths, fires, and shocking cases. We have been complimented for our ability to explain technical issues and our realistic assessments of situations

Project Contact: References Available on Request



## Descriptions of Past Projects Completed - High Voltage Repair

## **Holly River State Park**

Hacker Valley, WV

## Services Provided:

- High Voltage Electrical Design
- Emergency Repair
- Installation

Estimated Budget: \$2.4M Facility Area: 8,101 acres of

recreational space

Owner: West Virginia Division of

Natural Resources



Emergency electrical supply was restored to select areas of the park in phase 1 due to the timing of the storm and the onset of winter. Phase 1 was a priority for the owner (WVDNR) and went from start of design to bid in less than 4 weeks. Coordination with the DOH and the DEP were facilitated during this short turnaround in order to restore electrical supply to the administrative areas. Our team designed and developed a plan to restore power to the park and reduce future outages. MEI's design solution opted for burying 2.5 miles of electrical supply cabling in conduit, demo of the existing storm damage-prone overhead service, reclaiming PCB transformers and re-connecting all existing electrical loads. During Phase 1, MEI noted several concerns and safety issues which needed to be addressed long term.

MEI worked with the client to both document and estimate the cost to address code deficiencies and issues, which the client used to secure funding. Phase 2 design of the replacement of 9,000 feet of high voltage cabling and PCB transformers has been completed and is bidding. Phase 2 addresses the long-term reliability and code deficiencies in the remainder of the park, particularly the campground areas.

Project Contact: Bradley S. Leslie, PE, Assistant Chief WVDNR State Parks Section (304) 558-2764 ext. 51826



## Descriptions of Past Projects Completed – Renovation

## **Cheat Lake Elementary School**

#### **Services Provided:**

- Mechanical
- Electrical
- Plumbing
- Fire Protection/Alarm
- PA and Clock System

Budget: \$5.5M

Facility Area: 17,000 ft<sup>2</sup> Owner: Monongalia County





Project Contact:
Richard Colebank, PE
Alpha Associates
(304) 296-8216
Owner's representative is retired.

Joining two separate structures into one large structure precipitated a need to design replacement systems while revamping existing ones; and addressing fire safety standards to meet the demands of the owner's new expanded facility. Enhancing the student environment was the goal of this unique project. Ventilation, electrical, data and expansion of the sprinkler and fire systems were all addressed. The original steam heating system was replaced, bathrooms were updated and the gym was air conditioned under this project. Finally, the clock, public address and intercom systems were updated to serve the new expanded facility. The project's goals were successful and integration of the new cooling system inside the gym was completed with a satisfactory level of aesthetical value.



## Descriptions of Past Projects Completed - Code Evaluation

## **Tri-State Airport**

#### Services Provided:

 Code Compliance Evaluation

Estimated Budget: N/A Facility Area: 20,000 ft<sup>2</sup> Owner: West Virginia Department of Natural

Resources





Project Contact: Ed Tucker, AIA Edward Tucker Architects (304) 697-4990

Miller Engineering was contacted by the client's architect with a request to perform a National Electrical Code compliance evaluation of the Terminal Building at Huntington's Tri-State Airport. The request was due to a recent kitchen fire which the West Virginia State Fire Marshall's Office believed likely had its root cause in the kitchen electrical wiring. The terminal had been constructed in phases over many years and the concern was that no one had looked at the "entire picture" related to work by successive contractors over many years. MEI was retained to perform this evaluation, and conducted a thorough facility evaluation in short order on short notice. While the evaluation was principally focused on electrical systems, plumbing and HVAC systems deficiencies were also noted as a courtesy. MEI coordinated its findings with the owner and WV State Fire Marshall, including a recommended course of action to correct code issues and concerns.



## Descriptions of Past Projects Completed - Electrical

## Elkins DNR Operations Center Standby Generator

Eikins, WV

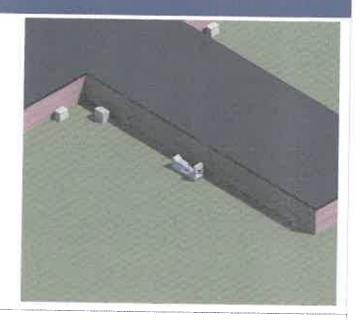
## **Services Provided:**

- Backup Power
- Electrical Distribution
- Emergency Lighting

**Electrical Budget: \$250K** 

Facility Area: Approx 30,000 sq ft

**Owner: WV DNR** 



The WV DNR Operations Center in Elkins, WV requested to have an emergency generator installed due to losses incurred from a long power outage caused by Hurricane Sandy. MEI coordinated which systems the DNR wanted on standby power. This required the installation of new panels which are fed through a transfer switch. Critical operation loads were installed in these panels. The owner requested a natural gas fueled generator, requiring modifications to the building's gas service. Some of the buildings light fixtures were retrofitted to LED with battery backup to provide some emergency lighting in common areas. The project is currently on hold pending budget approval.

Project Contact: Zack Brown WV DNR (304) 558-2771



## Descriptions of Past Projects Completed - Switchgear

## **Pipestem State Park**

## **Services Provided:**

- Design
- Replacement

Estimated Budget: \$180k Facility Area: N/A Owner: West Virginia Department of Natural

Resources





Project Contact: Brad Leslie, PE WVDNR State Parks Section (304) 558-2764

The project replaced an existing 480V, 2,000 amp switchgear serving half of McKeever Lodge at Pipestem State Park. The existing switchgear experienced water damage due to a burst HVAC line. The new switchgear incorporates electronic trip breakers compared to the original fused switches. Fault indication was added to the switch gear to reduce personnel hazards. Additional grounding of the equipment, enclosures and raceways were also included in the project. The existing switchgear had to be repaired so it could operate temporarily until the project could be completed. Miller Engineering, along with the DNR's electricians and maintenance staff, were able to repair the existing equipment for temporary use.



## Project Experience: Renovation

# Morgantown Ice Rink Chiller Replacement

Services Provided:

- Piping Systems Evaluation
- Piping Design
- Electrical Design

Budget: \$585K

Facility Area: Approx. 21,000 ft<sup>2</sup> Owner: BOPARC of Morgantown





Project Contact:
All Owner's Staff related to the project no longer work for the Owner. Names and numbers of those individuals are available on request.

Miller Engineering was contracted, by a third party energy services company, to design the modifications to the main equipment piping and facility electrical system in support of a new air cooled chiller for the ice rink low temperature systems. The original chiller used refrigerant R22, which was facing refrigerant phase out, and had reached the end of its serviceable life. A new chiller, sized and selected by the service company, was installed using our design to "plug" the new chiller into the existing systems.

The ice rink was originally built as a shaded structure but was enclosed in the mid 1990's with no consideration given to controlling humidity. Humity had been a problem since the original construction due to the rink location. As part of the contract, we evaluated the need for additional system capacity, comfort heating, and most importantly, mechanical dehumidification. Our design was taken to the design development phase and this additional work was removed from the energy services contract and the project by the Owner.



# **Budget and Timeline History**

Project Name	Project Type	Budget	Cost	Notes
Bluestone State Park	Pool Replacement	\$1,000,000	\$935,600	On budget
West Virginia State	HVAC Piping Renovation	\$650,000	\$533,400	On budget
Canaan Valley Resort	Emergency Electrical Repairs	\$225,000	\$129,829	On budget
Holly Grove Manor	Renovation	\$885,000	N/A	On hold
Mapletown Jr/Sr High School	HVAC Renovation	\$1,050,000	\$1,105,900	5.19% over budget
Pipestem – McKeever Lodge	HVAC Piping Replacement	\$1,600,000	\$1,776,000	10.43% over budget
Tygart Lake State Park	Beach and Bathhouse	\$750,000	\$695,000	On budget

= Delivered on budget/on time



# **Budget and Timeline History**

Project Name	Project Type	Contract Length	Contract Delivery	Notes
Blackwater Falls State Park	Boiler Replacement	120 days	180 days*	*Extended 60 days due to equipment delivery issues
Bluestone State Park	Pool Replacement	180 days	180 days	Delivered on time
Canaan Valley Resort	Construction Administration	3.5 years	3.5 years	Long-term project with varying facets – no direct schedule
Twin Falls/Hawks Nest Lodge	HVAC Renovation	90 days	90 days*	*Expedited delivery
Mapletown Jr/Sr High School	Boiler/ HVAC Renovation	180 days	180 days	Delivered on time
Pipestem – McKeever Lodge	HVAC Piping Replacement	365 days	365 days	Delivered on time
Tygart Lake State Park	Beach and Bathhouse	270 days	270 days	Delivered on time



# State of West Virginia Centralized Expression of Interest 02 — Architect/Engr

	Proc Folder: 419818		
Doc Description: Agriculture Food Warehouse Electrical Engineering Service			
Proc Type: Central Contract - Fixed Amt			
Date Issued		Solicitation No	Version
2018-02-09	2018-03-08 13:30:00	CEOI 1400 AGR1800000002	1

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON WW 25305

US

	VENDOR
	Vendor Name, Address and Telephone Number:
1	
1	
1	

FOR INFORMATION CONTACT THE BUYER
Guy Nisbet
(304) 558-2596
guy.l.nisbet@wv.gov

Signature # FEIN #
All offers exhibitor of all terms and conditions contained in this solicitation

96-108-1386DATE March 6, 2018

Page: 1

FORM ID: WV-PRC-CEOI-001

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract. (Printed Name and Title) 240 Scott Ave, Suite 1, Morgantown, WV 26508 (Address) 304-291-2234 (Phone Number) / (Fax Number) cmiller@millereng.net (email address) CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration. Miller Engineering, Inc. (Company) (Authorized Signature) (Representative Name, Title)

Craig Miller, Owner

March 6, 2018

304-291-2234

(Phone Number) (Fax Number)

(Date)

(Printed Name and Title of Authorized Representative)

# ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.:

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	n received)	
Addendum No. 1 Addendum No. 2 Addendum No. 3 Addendum No. 4 Addendum No. 5	Addendum No. 6 Addendum No. 7 Addendum No. 8 Addendum No. 9 Addendum No. 10	None
I understand that failure to confirm the I further understand that any verbal rep discussion held between Vendor's repr the information issued in writing and a binding.	resonation made or assumed (	to be made during any oral
Miller Engineering, Inc.		
Company	***	
Authorized Signature		The common property of
March 6, 2018		
Date		

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

## STATE 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 exceed five percent of the total

AFFIRMATION: By signing this form, the vandor'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: Miller Engineering, Inc. March 6, 2018 County of Taken, subscribed, and sworn to before me this 6 My Commission expires AFFIX SEAL HERE **NOTARY PUBLIC** Summertillemmentemmentmentemmentemmentemi Pyrchasing Affidavit (Revised 07/01/2012) OFFICIAL SEAL STATE OF WEST VIRGINIA

MOTARY PUBLIC Robert L. Angus 132 Thorn Lane Grafton, WV 26354

by Commission Expires Herch 1, 2021