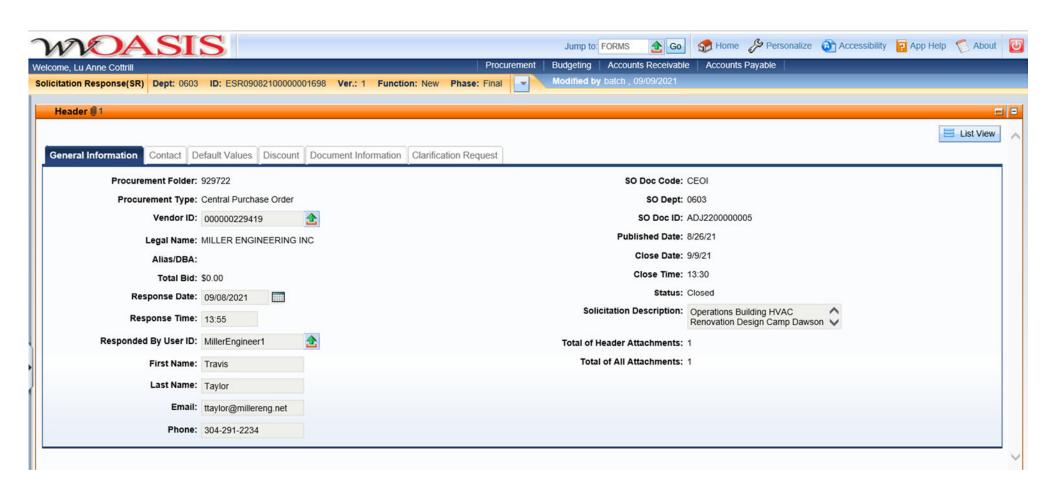
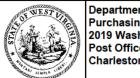


2019 Washington Street, East Charleston, WV 25305 Telephone: 304-558-2306 General Fax: 304-558-6026

Bid Fax: 304-558-3970

The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at *wvOASIS.gov*. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at *WVPurchasing.gov* with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.





Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

State of West Virginia Solicitation Response

Proc Folder: 929722

Solicitation Description: Operations Building HVAC Renovation Design Camp Dawson

Proc Type: Central Purchase Order

 Solicitation Closes
 Solicitation Response
 Version

 2021-09-09 13:30
 SR 0603 ESR09082100000001698
 1

VENDOR

000000229419

MILLER ENGINEERING INC

Solicitation Number: CEOI 0603 ADJ2200000005

Total Bid: 0 Response Date: 2021-09-08 Response Time: 13:55:30

Comments:

FOR INFORMATION CONTACT THE BUYER

Tara Lyle (304) 558-2544 tara.l.lyle@wv.gov

Vendor Signature X

FEIN# DATE

All offers subject to all terms and conditions contained in this solicitation

Date Printed: Sep 9, 2021 Page: 1 FORM ID: WV-PRC-SR-001 2020/05

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Operations Building HVAC Renovations				0.00
	Design Camp Dawson				

Comm Code	Manufacturer	Specification	Model #	
81101508				

Commodity Line Comments:

Extended Description:

Provide professional architectural and engineering design services per the attached documentation.

Date Printed: Sep 9, 2021 Page: 2 FORM ID: WV-PRC-SR-001 2020/05



Expression of Interest West Virginia – Army National Guard Camp Dawson Operations Building HVAC Renovations Kingwood, WV CEOI ADJ220000005

September 9, 2021



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 Camp Dawson Operations Building HVAC Renovations Design project. We have elected to submit as prime as our understanding from the Expression of Interest is that the project is primarily HVAC focused. MEI has operated in this role many times before, including on the recent Mill Point Canopy and Camp Dawson FMS 4 Fire Protection Projects. We have also served as the prime consultant on many other projects for various clients and state agencies. While MEI's project portfolio includes many building systems, HVAC and

MEP renovations constitute the majority of our work.

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.

Most every renovation we do requires a phased approach to keep the facility in operations. We routinely deliver phased renovations for educational, institutional, commercial, and government facilities. Every project we do has a particular set of standards which we must apply, and this is no exception. We see our diversity of previous work as an advantage as we do not use "cookie cutter" design or presume we have all the answers when we start.

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 10 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.

As previously mentioned, most of MEI's project revolve around HVAC upgrades. Currently, the new addition and renovations to Cacapon Lodge are in the homestretch of becoming ready for start up and testing of the HVAC systems. Monongalia County Schools have turned to MEI to design and implement several HVAC upgrades to K-12 schools throughout the county. In addition to the aforementioned Cacapon Lodge, we have been the mechanical engineer, including serving as prime consultant, on many projects for the WV DNR and WV GSD. Most of these projects are focused on HVAC upgrades and modifications. MEI is currently working on the design of a HVAC renovation to WV Building 25 in Parkersburg, WV. As the project references HVAC related to data centers, I would like to mention that we have experience with this field as we have designed the HVAC, electric, and fire protection for the Med Express Headquarters. This facility served as Med Express's data center.

We encourage you to contact any of our references to gauge our level of commitment, not only through design but continuing through construction administration, and beyond the warranty period.

I would like to personally thank you for affording Miller Engineering the opportunity to propose on Camp Dawson Operations Building HVAC Renovation Design project and we look forward to the chance to discuss the project in an interview.

Best Regards and Good Luck on the Project,

Craig Miller, PE President/Owner

Miller Engineering, Inc.



TAB 1 – FIRM QUALIFICATIONS





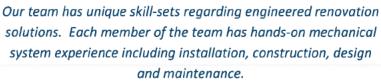


Firm Profile

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.



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.

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



- 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 AddressVoice/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.

<u> Project Role: Relationship Manager – Primary Point of Contact</u>

- 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

- Morgantown High School Area 4 HVAC Renovations
- 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
- Pipestem McKeever Lodge HVAC Piping Replacement
- Beech Fork State Park MEP New Construction Design
- Cheat Lake Elementary & Middle School Renovations

Professional History

2003- Present	Miller Engineering, Inc.	President, Relationship Manager
2002-2003	Casto Technical Services	Existing Building Services Staff Engineer
2001-2002	Uniontown Hospital	Supervisor of Engineering
1995-2001	West Virginia University	Staff Engineer
1990-1995	BOPARC	Caretaker – Krepps Park
1983-1988	University of Charleston	Electrician/HVAC Mechanic

Education

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

Licenses and Certifications

- 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
- Camp Dawson FMS4 Fire Protection
- WV State Building 22 2nd Floor Renovations
- WV State Building 25 HVAC Piping Replacement
- Morgantown High School Area 4 HVAC Renovation
- 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

Eduçation

2006 West Virginia University, BS – Mechanical Engineering

Licenses and Certifications

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





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 25 HVAC Piping
- 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



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

• FacilityReview,CodeResearch,FieldObservations,IssueResolutions,andProjectEvaluation

Professional History

2010- Present Miller Engineering, Inc. Code and Construction Specialist

1999-2010 Megco Inspections Chief Inspector
1972-1998 Jamison Electrical Construction Master Electrician

Education

1971 Fairmont State College, BS-EngineeringTechnology-Electronics

Licenses and Certifications

- Master Code Professional, IAEI Master Electrical Inspector, Class C Electrical Inspector WV, PA, MD, &OH
- ICCCommercialBuilding,BuildingPlans,CommercialPlumbing,ResidentialEnergy,andAccessibility Inspector/Examiner
- WV Master ElectriciansLicense
- NCPCCI-2B, 2C, 4B, 4C: Electrical & Mechanical General/PlanReview
- OSHA 30 Hour Course: GeneralIndustry
- NFPA Code Making Panel 14 NEC 2014Edition

Staff - Proposed Staffing Plan















TAB 2 – PROJECT ORGANIZATON



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

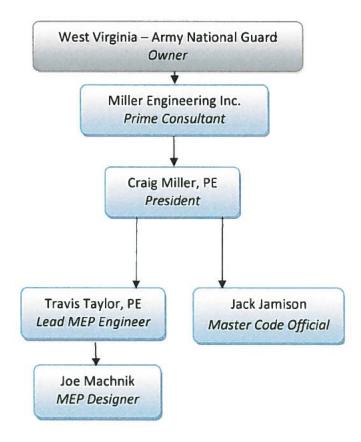
Lead MEP Engineer

Travis Taylor, PE

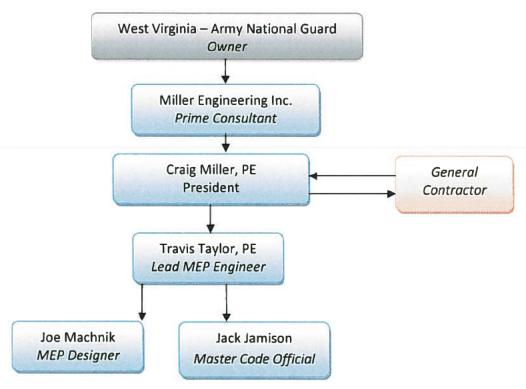
Designer / BIM Coordinator

Joseph Machnik

Organization Chart – Design

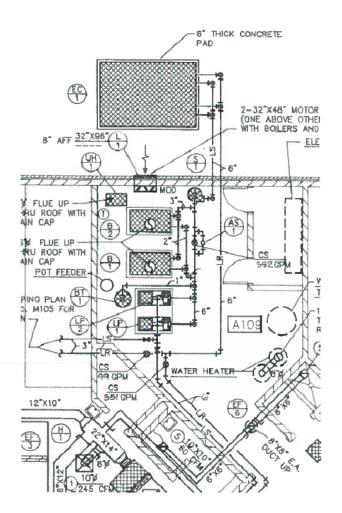


Organization Chart – Construction





TAB 3 – EXPERIENCE





Descriptions of Past Projects Completed – Adaptive Renovation

MedExpress National Headquarters

Services Provided:

- Mechanical
- Electrical
- Plumbing
- Fire Protection/Alarms

EstimatedBudget: \$12M Facility Area: 31,000 ft² Owner: MedExpress, Inc.



A full mechanical, electrical and plumbing upgrade was necessary forthis former grocery store in order to meet the needs and demands of the client's use. A full computational model of the building and the new floor plan revealed

that use of rooftop units of varying configurations would effectively condition the facility. Variable air volume (VAV) and constant volume systems were utilized to accomplish this goal. In addition, a dedicated air system was required for the critical corporate data center which would also accommodate both the current system load and anticipated growth of the owner. Halon systems, extensive fire and alarm systems, were installed to bring the facility to safety and state regulation codes. The critical corporate data center also required the design of a full standby power system with generator, uninterruptible power supply and transient voltage surge suppression. All project goals were met and the project was a success.



Descriptions of Past Projects Completed – MEP

South Middle School HVAC Renovations

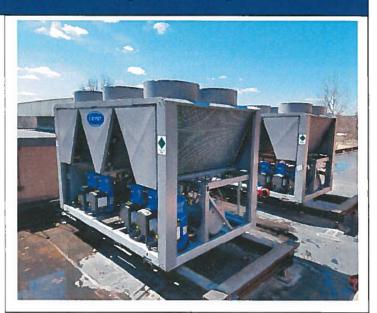
Services Provided:

- Mechanical
- Electrical
- Plumbing
- Fire Alarm

Contract Amount: \$1.45M Facility Area: 111,800 ft²

Owner: Monongalia County Board of

Education



AHU with various terminal devices such as VAV and self-piloted boxes. The school had been suffering from poor air quality and temperature control issues. Additionally, the condensing unit had failed. Initiated in November, MEI designed a rebuild of the AHU; replacing the DX coils with HW and CW coils and adding new chillers in time to meet the Spring cooling need. The two large supply fans were replaced using a fan wall system which allowed the fans to operate at max output and minimize noise and vibration issues which plagued the old sled mounted fans. A new boiler serves the hot water coil and two chillers were installed with piping on the roof to serve the AHU cooling coil.

South Middle School was served by a single DX

The air terminal devices will be rebuilt and retrofitted to provide better control. The project was completed in December 2019.

Project Contact: Robert Ashcraft Monongalia County Facilities Phone: (304) 291-9210



Descriptions of Past Projects Completed – HVAC, Electric

Withers Brandon Hall

Philippi, WV

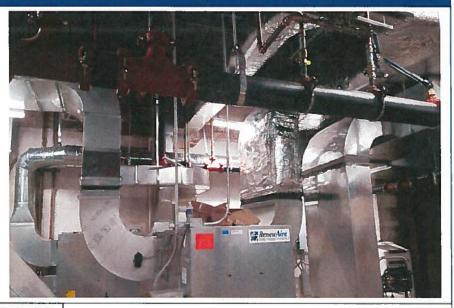
Services Provided:

- Electrical
- HVAC

MEP Budget: \$700k
Facility Area: 31,800 ft²
Owner: Alderson Broaddus

University

Status: Completed





Project Contact: David Snider, AIA Omni Associates, Inc (304) 367-1417

As part of renovations to Withers Brandon Hall at Alderson Broaddus University, MEI was brought in to evaluate and design upgrades to the HVAC system. The existing chiller and piping insulation had failed. The existing system was a two-pipe system with chiller and boilers serving fan coil units. MEI proposed to reuse the piping and replace the fan coil units with water source heat pumps (WSHP). This allows the existing piping to be re-used and piping insulation would not have to be replaced. The chiller will be replaced with a fluid cooler located outside the building. The three non-condensing boilers will be replaced with a much more efficient modulating condensing "double stack" boiler. The ventilation units are located in the unconditioned attic space and are difficult to perform maintenance on. New ducted heat pumps tied to energy recovery ventilators will tie into the existing fresh air duct to provide ventilation and relief air. The design limits the amount of modifications outside of the mechanical rooms which will aid with the compressed construction schedule. The project was completed in October 2019.



Experience – Electrical & Mechanical

Capital Complex Chiller Plant Evaluation and Modifications

Services Provided:

- Evaluation Study
- Electrical
- Mechanical
- Plumbing

Project Cost: \$7.26 mil

Facility Area: Approx. 7,500 ft²

Owner: WV GSD





Project Contact:
Dave Parsons
Energy Manager
WV GSD
112 California Ave.
Charleston, WV
304-957-7122

The existing chiller plant serving the WV State Capital Complex is 20 years old. The Owner wishes to reduce energy costs associated with the peak electrical demand metering applied to the plant's electrical service. MEI was retained to evaluate multiple options to reduce electrical demand, and thereby the operating costs. The determined optimal solution is to use large, medium voltage, natural gas generators which could operate select chillers during peak demand to reduce electrical peak demand. A 5kV switchgear will allow the select chillers and their respective pumps to operate under generator load when they are required to come online. A new 2,300 ft² building will be constructed to house the new switchgear, pumps, and heat exchangers to allow the chillers to still operate as a plant. The project is currently in construction and anticipated to be completed in January

2022.



Project Experience: HVAC Upgrade

Building 22 2nd Floor Upgrades

Charleston, WV

Services Provided:

- Mechanical
- Electric
- Telecommunications
- Construction Administration

Renovation Area: 7,400 sq ft Contract Amount: \$398k Owner: State of West Virginia – General Services Division



West Virginia State Building 22 required renovations to the 2nd floor, which houses the state tax office. New mail processing equipment which have cooling, power, and data requirements were purchased by the state and the floor plan needed modifications. This building is an extremely high secure area. It houses the tax and revenue department for the State of WV. Approximately 2.5 million dollars is processed through this building daily.

Miller Engineering, along with Montum Architecture designed the renovations to the 2nd floor to accommodate the changes needed. The existing space was served by a fan powered VAV AHU. The existing air distribution was modified to meet the requirements of the new floor plan. The processing room and server rooms, which require year round cooling, are being served with computer-room air conditioning (CRAC) units. The revised floor plan called for modifications to the power and telecommunications layouts for the integrated furniture systems. The grounding and bonding systems for the server room were upgraded as well. This project was completed in April, 2018.

Project Contact:
David Parsons, Operations and
Maintenance Manager
State Capitol, Room E-119
(304) 957-7122



Project Experience: MEP

Cacapon Lodge Addition & Renovation

Services Provided:

- Electrical
- Plumbing
- HVAC
- Fire Alarm
- Fire Protection
- Pool

Estimated Budget: \$26M Facility Area: 113,000 sq ft

Owner: WV Department of Natural Resources

FINAL STATE OF THE PARTY OF THE

Project Contact: Bradley S. Leslie, PE, Assistant Chief WVDNR State Parks Section (304) 558-2764 ext. 51826 Miller Engineering teamed with Paradigm Architecture to design the addition to the lodge at Cacapon State Park. The addition includes approximately 80 guest rooms, new kitchen and dining areas, a spa, indoor/outdoor pool, and support spaces. All of the utilities were upgraded. A new boiler / chiller plant will be installed with distribution to local air handling units. The electrical service includes an upgrade to 480V while using the existing distribution panels where possible as local branch panels. The project is currently under construction.



Budget and Timeline History

Project Name	Project Type	Budget	Cost	Notes
Bluestone State Park	Pool Replacement	\$1,000,000	\$935,600	On budget
WestVirginia State Building25	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 daysdue 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



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, Dominion Post, Morgantown

"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, WV25303 (304) 289-7663 Bradley.S.Leslie@wv.gov

Bob Ashcraft

Safety and Ancillary Projects Monongalia County Schools 533 East Brockway Street Morgantown, WV 26501 (304) 276-0152 rbashcraft@accessk12.wv.us

Paul Braham

Associate Director of Maintenance & Engineering Mylan Pharmaceuticals 781 Chestnut Ridge Road Morgantown, WV 256505 412-519-9846 304-554-5626

Dave Parsons

Energy Program Manager WV General Services 112 California Avenue Building 4, 5th Floor Charleston, WV 25305 (304) 957-7122 David.K.Parsons@wv.gov

Paul.Braham@mylan.com

Gregory L. Melton

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Gregory.L.Melton@wv.gov

Richard J. Briggs

Vice President
Lutz Briggs Schultz & Assoc. Inc.
239 Country Club Drive
Ellwood City, PA 16117-5007
(724) 651-4406
lbsa@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"



TAB 4 – METHODOLOGY & APPROACH



Project Methodology & Approach

Evaluation

Miller Engineering will begin the design process by reviewing all existing documentation related to the Operations Building at Camp Dawson, including any documentation related to the design, testing, and maintenance of the HVAC systems. Reviewing documents will give MEI an initial understanding of the facilities which will be confirmed or adjusted through an extensive on site evaluation of the facilities. Evaluations of both existing documents and site visits will allow the design team to create initial building models. MEI will utilize building information modeling (BIM) via Autodesk REVIT to create models and therefore drawings of the facilities' areas of impact.

Schematic

Once the BIM models are accomplished, and MEI grasps the building systems intent and construction, MEI will meet with the owner. The meeting will involve all stakeholders to gain an understanding of the intended project outcomes. A review of all applicable codes and guidelines regarding data centers including ASHRAE, building codes, and military construction standards will aid in initial design and approach to a solution. MEI will discuss items which will affect the renovation including changes in building usage, current deficiencies and issues, operating methods, operating costs, and construction timeline phasing. MEI will use this information to validate the sizing of the HVAC equipment against their initial sizing to determine the extent of the HVAC renovations required. Miller Engineering's staff has backgrounds in construction, maintenance, and operations which provide a unique perspective as we do not just think "Will it work?" but also consider "How will it be installed?" and "How well can it be maintained to work as intended?" A majority of MEI's past projects include renovations which must be phased as the owner still occupies the facility. Initial schematic calculations will determine the extent of the renovations required. This may result in modifications to architectural or structural components as needed to achieve the HVAC renovations. MEI would utilize an architect or structural engineer for these components if the renovations require such modifications. These ramifications, in addition to any occupancy disruptions anticipated, would be discussed with the owner. The initial schematic design will be the basis of the 35% documents. MEI will provide cost estimates using real material quotes and take-offs to convey projected costs to the owner.

Design Development

MEI will take input from the owners based upon review of the 35% design documents and proceed. While the requirements of the EOI give specific milestones for progress sets (35%, 65%, 95%, & 100%), MEI will not wait until the next progress set to speak with the stakeholders if questions arise. Our philosophy is that the sooner issues are brought forward and addressed, the less they cost the project in time and money. The estimate will also be updated regularly as MEI treats the estimate as a "living document." Any changes or inputs from the owner, as well as other changes made during proceeding with design development, will be reflected in the estimate. MEI believes in giving the owner the information necessary, including budgetary



effects, to make informed decisions regarding the design. The 65% and 95% progress sets will reflect the outcomes of the formal and informal discussions with the owners.

Construction Documents

The construction documents will be completed using both the results of the progress set reviews and internal peer review. MEI understands that while working on a project, engineers and designers can get "tunnel vision", meaning they see what they want to see reflected in the documents. All drawings and specifications issued by Miller Engineering go through a three step peer review internally to ensure the intent of the document is clearly transmitted. The final 100% construction document set will be issued to the owner for bidding, along with our best estimate of probable cost.

Bidding

During bidding, Miller Engineering will assist the owner to successfully procure bids for the upgrades. MEI will be present during the pre-bid meeting to discuss the technical scope of work for the project. Any technical questions from contractors or vendors to the owner during bidding will be answered by MEI. MEI will provide addendum documents as needed. MEI will also assist in reviewing bids and making recommendations to the owner. We have completed many projects through WV State Purchasing, and understand the requirements to successfully bid a project with the state of West Virginia.

Construction Administration

After bids are received and the contract awarded, MEI is not a firm that disappears until the final punch list. MEI will provide thorough construction administration (CA) services as agreed upon with the owner. We will be present for a construction kick-off meeting to make sure the project gets off on the right foot. MEI believes in being present at construction progress meetings and making informal site visits to keep the project on track. Our background in construction and operations allows us to understand the sequencing of construction in the field to better aid the contractors when questions arise. One of MEI's main beliefs is that any requests for information (RFIs) submitted by the contractor should be reviewed and answered within one business day if possible. This is because we understand that delays in RFI responses can lead to additional costs and construction days. If necessary, we will provide an informal answer and follow up with the formal response to keep the project rolling. During progress meetings and site visits, any issues discovered by MEI will be relayed to the owner and contractor immediately to prevent delays. Another company standard is for our staff to be present for testing and balancing (TAB), equipment start-up, and owner training. While these events occur at the very end of the project, they are critical to ensure the new systems operate as designed. MEI will be on hand for these activities to quickly answer any questions and confirm these items are performed properly in accordance with the construction documents.



TAB 5 – PROJECT FORMS





Department of Administration Purchasing Division 2019 Washington Street East Post Office Box 50130 Charleston, WV 25305-0130

State of West Virginia Centralized Expression of Interest Architect/Engr

Proc Folder:	929722		Reason for Modification:
Doc Description:		Renovation Design Camp Dawson	Neuson for mountains.
Ргос Туре:	Central Purchase Order		
Date Issued	Solicitation Closes	Solicitation No	Version
2021-08-26	2021-09-09 13:30	CEOI 0603 ADJ2200000005	1
BID RECEIVING LO	CATION		
BID CLERK			
	ADMINISTRATION		
PURCHASING DIV			
2019 WASHINGTO CHARLESTON			
US	WV 25305		
00			
VENDOR			
Vendor Customer	Code:		
Vendor Name :			1.
Address :			
Street :			
City:			
State :		Country: Zip	
Principal Contact	:		
Vendor Contact P	hone:	Extension:	
FOR INFORMATIO	N CONTACT THE BUYER		
(304) 558-2544			
tara.l.lyle@wv.gov			
15			
	MANA		
Vendor Signature X	1444	FEIN# - 1386	DATE 9/8/202/

All offers subject to all terms and conditions contained in this solicitation

Date Printed Aug 26, 2021

Page: 1

FORM ID: WV-PRC-CEOI-002 2020/05

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.
1994 All Corp
(Name, Mille)
Craig Miller, PE - President
(Printed Name and Title)
(Address) Morgantown, WV 26508
(304) 291-2234
(Phone Number) / (Fax Number)
Cmiller emilleress, net
(cmail 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.
By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.
Miller Engineering, Inc. (Company)
(Authorized Silvature) (Representative Name, Title)
Crais Miller, PE - President
(Printed Name and Title of Authorized Representative)
9/8/2021
(Date)
(304) 291-2234
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: 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:

WITNESS THE FOLLOWING SIGNATURE:

"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, fallure 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 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: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, 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.

Authorized Signature: Authorized Signature: State of West Virginia County of Monagalia, to-wit: Taken, subscribed, and sworn to before me this 6 day of September, 2021. My Commission expires September 16, 2024. AFFIX SEAL HERE OFFICIAL SEAL NOTARY PUBLIC 13 July 2021.

Purchasing Affidavit (Revised 01/19/2018)

STATE OF WEST VIRGINIA

NOTARY PUBLIC Travis Taylor Meadows Drive Morgantown, WV26505 My Commission Expires 09/16/2024