



Our Principals on a team building fly fishing event. Part of the nearly 800,000 residents each year who enjoy fishing the waters of the Commonwealth.

Volume I - Technical Submission

GESA Project Consulting Services

on a Guaranteed Energy Savings Project at:

Pennsylvania Fish & Boat Commission Headquarters & Hatcheries

Project No. GESA 2019-3C

Date 02/11/2020

prepared for:



Becky Tomlinson, DGS Energy Office
RFQ Coordinator
Room 403 North Office Building
401 North Street
Harrisburg, PA 17120-0500
retomlinso@pa.gov

prepared by:



Entech Engineering, Inc.
201 Penn Street, Suite 300
Reading, PA 19601
1.800.825.1372 | www.entecheng.com

Entech Submission: P-10237



February 5, 2020

Becky Tomlinson, RFQ Coordinator
Department of General Services
403 North Office Building
401 North Street
Harrisburg, PA 17120

**Re: Response to Request for Qualifications for GESA Project Consultant on a
Guaranteed Energy Savings Project at: Pennsylvania Fish & Boat
Commission Headquarters and Hatcheries
Project No: GESA 2019-3C
Entech File P-10237**

Dear Ms. Tomlinson:

Entech has been helping its clients with their energy conservation efforts for more than 30 years. Our company was created during the energy crisis of the early 1980s to help facility managers reduce their energy costs. As we continue our work, we have grown into a full-service engineering and architecture firm with a staff of approximately 120 professionals dedicated to helping you make more informed decisions for your buildings and infrastructure assets.

Today, our highly qualified energy auditing teams bring not only years of energy auditing experience, but also the expertise to combine energy conservation recommendations with deferred maintenance and capital renewal needs. Our team's experience allows us to design energy projects, help secure grants for project funding, help manage the construction, assist with securing an Energy Savings Company (ESCO), or provide energy consulting throughout the ESCO process. Our design professionals are then able to take their energy expertise to help our customers implement selected energy measures and thus reduce energy costs.

We have been involved with the Pennsylvania Guaranteed Energy Savings Act (GESA) program, since State Correctional Institute (SCI) Dallas, the first GESA project under the Wolf Administration. We worked closely with Energy Systems Group (ESG) to develop the original scope of work presented for SCI Dallas. After ESG was selected, we assisted in the preparation of the investment grade audit, design of the boiler plant and wastewater treatment plant, and assisted in services during construction. More recently, we were selected for a GESA project with The Efficiency Network at SCI Houtzdale and are currently working as the energy consultant on the PennDOT District 8 project.

We've described in detail, in the Relevant Information section of our response, our expertise with wastewater treatment plants (WWTPs) and how, we believe, that experience will apply to this project. At the pre-bid meeting, Doug Hatcher instructed the



Becky Tomlinson, RFQ Coordinator
Department of General Services
Entech Proposal P-10237
February 5, 2020

ESCO's to team with a firm who has "fish experts" as this will be necessary for the work at the hatcheries. I believe that the State's team (which includes DGS, Fish and Boat, PSFEI and the energy consultant) needs to also have "fish experts" on our team, therefore, we have partnered with ASA Analysis and Communication, Inc. who have several fish scientists on staff.

For the proposed project, I will be serving as the energy team leader and Principal-in-Charge. As the leader of Entech's Utilities and Energy Group, I have led our energy team on many similar projects in Pennsylvania including energy projects at SCI Muncy, Harristown Development, Inc, SCI Dallas, SCI Houtzdale, and Susquehanna University. In New Jersey, in both the ESIP and P4P Programs, I led our team on energy projects for South Woods State Prison, New Lisbon Developmental Center. Additionally, we are currently serving as the State's energy consultant for Hunterdon Developmental Center and the Edna Mahan Correctional Facility.

In addition to our energy team, Entech has an experienced design team of engineers and architects who will be used to complement the skill set of our energy team on the project. We expect our design and construction team to be most involved during the design document review, however, there may be other times that their experience is also needed. I will be using our design team throughout the project as needed to support the State.

We believe that our demonstrated energy experience and our design expertise will allow us to provide both leadership and experience to the State and look forward to this opportunity. As you can see on the cover photo, Entech's senior leadership is invested in maintaining the quality of fishing in Pennsylvania and will provide you with the highest quality service.

Entech acknowledges receipt of BULLETIN NO. 1 on Project No. GESA 2019-3C – Request for Quotes for Consulting Services for a Guaranteed Energy Savings Project at: Pennsylvania Fish and Boat Commission, Headquarters building and various State Hatcheries, Department of General Services, Energy & Resource Management, 401 North Street, Room 403 North Office, Harrisburg, Pennsylvania, 17120.

Sincerely,

A handwritten signature in blue ink, appearing to read "B. Haag", with a long, sweeping underline.

Bryan C. Haag, P.E., LEED AP®
Principal
Entech Engineering, Inc.
201 Penn Street, Suite 300
Reading, PA 19601
610-373-6667/800-825-1372
Fax: 610-373-7537
BHaag@entecheng.com
Entech PA Vendor # 129535

Entech Engineering, Inc.

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Appendix A

Energy Consultant Information Form



“Entech has been instrumental to ensure the successful execution and conclusions on a number of projects that are vital to the interests of the Commonwealth. Not only did the HVAC design for our headquarters clearly demonstrate an initiative to employ energy efficient and client responsive technologies to this facility, but the willingness to optimize and alter the completed design in response to your initiated concern with anticipated capacity deficiencies with the geothermal heat sink was admirable and indicative of a sincere, unselfish interest in ensuring a viable system for the State Police.”

**Former Portfolio Manager, Bureau of Engineering and Architecture
Pennsylvania Department of General Services | Harrisburg, PA**

APPENDIX A
Energy Consultant Information Form

ENERGY CONSULTANT INFORMATION FORM
 (Complete in INK or TYPE only - DO NOT use pencil)

DGS GESA-2019-3 Consultant
LOCATION: Pennsylvania Fish & Boat Commission, Headquarters & Hatcheries

COMPLETE ALL APPLICABLE AREAS

Pa. Vendor ID Number: 129535	
All GESA Consultants must be approved thru the DGS ITQ process: http://www.dgs.internet.state.pa.us/ITQ/Default.aspx	
ITQ CONTRACT NO.	4400016426
CONSULTANT'S BUSINESS NAME: Entech Engineering, Inc.	
NAME & TITLE OF CONTACT PERSON:	Bryan Haag, P.E., LEED AP, Principal
ADDRESS:	201 Penn Street, Suite 300, Reading, PA 19601
PHONE NUMBER:	610.373.6667 / 800.825.1372
E-MAIL ADDRESS:	bhaag@entecheng.com

A. List the number of full-time personnel currently employed with the firm. Each person should be counted only once. Do not include sub-consultants. Discuss use of sub-consultants in Section "D" and "E", below.

	REGISTERED	PROF. DEGREE	CEM	OTHER	TOTAL
Architect	1	2			3
Civil/Structural Engineer	20	8			28
Mechanical Engineer	8	5	1		14
Electrical Engineer	1	2		3	6
Account Manager					0
Project Managers	5	10			15
Site Inspectors				7	7
Measurement & Verification					0
Other/Specialist	7	22	2	6	37

B. **Submit as a separate page to this form, on one (1) page, identify no more than three (3) projects that best illustrate your firm’s current qualifications to perform the review and construction services for this project. DO NOT list projects by consultants or by staff that will not be assigned to this project. Use the categories bulleted immediately below in describing identifying projects.**

- Project Name
- Location
- General Description of work performed by Consultant on this project
- Gross Const. Cost
- Duties Performed
- Fee
- Comments
- Contact References (include Email and Telephone No.)

C. **Submit as a separate page to this form, on one (1) page, listing the Key Sub-Consultant(s) (if needed) who will be retained to assist in the consultant’s process. Sub-Consultants Basic Service work in sum-total must be less than 50% of Total Basic Service Fees. Use the categories bulleted immediately below in listing Key Sub-Consultants.**

- Name of Sub-Consultant
- Address
- Specialty/Discipline
- Number of Projects Worked together
- Value of Projects Worked Together

D. **In the space provided below, indicate and list driving distances (in miles) from the office where the majority of the on-site personnel will be located to the project site. Use actual street addresses and Google or MapQuest to determine driving distance.**

 63 Miles

E. **Submit as a separate page to this form, on one (1) page, provide any additional comments or description of relevant information supporting your selection for Consulting Services on this Project. Information specifically related to this project is preferred over boiler-plate or general marketing material. Why should your firm be selected for this assignment?**

projects

PA GESA Program | Harrisburg, PA State Correctional Institutions

Energy Systems Group (ESG) was awarded a Guaranteed Energy Savings Act (GESA) contract for the Department of Corrections (DOC), **SCI-Dallas**. The project evaluated central utilities, wastewater treatment, lighting, and water conservation. We were employed by ESG to provide an investment-grade energy audit and associated Energy Conservation Measures (ECMs) for SCI-Dallas' central heating utility and wastewater treatment plants respectively. We identified 15 ECMs, of which seven were selected for full design and implementation, at a cost of \$11M, with annual energy savings of \$1.8M. We evaluated the 30 year life cycle costs of four primary heating options to calculate a net present value (NPV). New natural gas boilers were projected to provide \$1.8M in annual energy savings.

For SCI-Dallas' on-site 0.45MGD WWTP, we recommended and designed sludge process improvements to reduce the liquids in the sludge, thus reducing the cost of disposal. By increasing solids to 3%, the facility will realize 34% annual savings or \$83,000 in sludge disposal fees.

Entech is currently working with The Efficiency Network (TEN) on a GESA project at **SCI Houtzdale**. Entech's scope of work focuses on the central utility plant (heating and cooling) and the evaluation of energy conservation measures associated with the plant. We are evaluating the conversion of most of the heating system from steam to hot water with the exception of the steam equipment needed to support the kitchen. For the cooling system, chillers and towers will be replaced to increase the efficiency of the chilled water plant. For both systems, we are improving pumping efficiency and replacing distribution piping.

Prior to the Investment Grade Audit (IGA), Entech worked with TEN to provide a utility master plan for the campus allowing the State/DOC to decide on the best system using LCCA which allowed for us to more efficiently complete the IGA. The project is awaiting approval of the IGA before moving forward.

Construction Cost: \$34.9M * **Fee:** \$1,075,000* **Contact:** Douglas Hatcher
717.787.4762 dhatcher@pa.gov

**represents actual costs for SCI Dallas and estimated costs for SCI Houtzdale.*

State of New Jersey | Bridgeton, Cumberland County, NJ 3rd Party Measurement and Verification

The State of New Jersey (NJ) retained DCO Energy (an ESCO) to develop an Energy Savings Plan and recommend Energy Conservation Measures (ECMs) to reduce energy usage, while simultaneously eliminating deferred maintenance on building systems for The Edna Mahan Correctional Facility (EMCF), a 1,000 inmate women's prison, and the Hunterdon Developmental Center (HDC), a 650-bed residential facility for adults with neurodevelopmental disorders. These adjacent facilities were part of a \$45M Energy Savings Improvement Project (ESIP), which is NJ's largest EISP project to date. We were selected by NJ to help verify the ECMs and savings, so they were confident in securing the loan for the project and proceeding with DCO Energy. We also served as an on-call advisor during design and construction and will execute the energy/savings measurement & verification (M&V) plan once all ECMs are constructed.

The Energy Savings Plan developed by DCO Energy named twenty four (24) ECMs including LED lighting replacements, decentralizing the EMCF CHP plant, and new steam and hot water boilers. Based on the recommended ECM's, the two facilities can expect to realize more than \$63M in energy savings over a 16 year period. Entech was tasked to verify the energy savings projects and estimates produced by the ESCO and engineer of record, review construction drawings, review the ESCO's measurement and verification (M&V) plan and execute the M&V Plan once construction is complete.

Construction Cost: \$45M **Fee:** \$424,000 **Contact:** William Golubinski
609.292.5210 william.golubinski@treas.nj.gov

Harristown Development Company | Harrisburg, PA Strawberry Square & 333 Market ESPC Owner's Representative

Entech was hired by Harristown Development Company to serve as the owner's representative for an Energy Savings Performance Contract (ESPC) project with Siemens. We worked closely with Siemens to develop Energy Conservation Measures (ECMs). Entech was responsible for the review of Siemens' ECMs, including the scope of work, energy savings estimates, and cost estimates.

We reviewed all of Siemens' submissions, including the contract and financial terms, and assisted Harristown Development Company in becoming more informed and more comfortable with the process. Entech was responsible for attending several meetings with the Harristown Development Company, Pennsylvania Department of General Services, and Siemens, and recommended that the Harristown Development enter into a contract with Siemens for the ESCO project. The scope of work included lighting upgrades, chiller replacement, controls upgrades, and VAV box upgrades. Over the 10-year life of the project, Harristown Development will realize \$19.2 million in guaranteed savings.

Construction Cost: \$20M **Fee:** \$15,000 **Contact:** Bradley Jones
717-255-1401 brad-jones@harristown.net

key sub-consultants

Entech has retained **ASA Analysis and Communication, Inc. (ASA)** to complement our team. ASA is located at 921 Pike Street, Lemont, PA 16851.



ASA Analysis & Communication, Inc. (ASA) is an environmental consulting firm with three branch offices in PA (Centre, Bucks, and Chester counties). ASA provides technical services in ecological sciences, natural

resource evaluation, ecological risk and impact assessment, engineering, permitting and related studies. Since 1995, ASA has served a wide variety of clients in industry and government. Our mission is to provide high quality environmental services that meet our clients' needs through a combination of sound science and effective communication. ASA is currently in the process of obtaining minority and/or women-owned business enterprise (MWBE) certification in NY.

Key Personnel:

William Dey, M.S. - Certified Fisheries Scientist, Marlboro, NY

- ▶ Ecological investigation of the natural resource damages of a chemical spill into a high quality trout stream in New York State.
- ▶ Review of a CERCLA Type B natural resource claim of sewage treatment effluent, storm-water runoff, and industrial discharges.
- ▶ USFWS research grant to study the effects of water quality on the growth, development, and survival of striped bass larvae.
- ▶ Bioassay studies on effects of ammonia and high pH discharges on stream fish communities.
- ▶ Assimilative capacity of streams to oxygen-consuming and ammonia-producing discharges.
- ▶ Design and operation of intensive-culture striped bass hatchery capable of producing 600,000 fingerlings annually.

Brooks Fost, Ph.D. - Certified Fisheries Scientist, State College, PA

- ▶ Investigated acclimation to low pH, pH preference and avoidance, interspecific competition, and movement of wild brook trout and brown trout.
- ▶ Assisted the PAFBC with trout abundance and spawning redd surveys in Spring Creek and Spruce Creek.
- ▶ Evaluated trout habitat in Housatonic River drainage in CT for Trout Unlimited stream improvement projects.
- ▶ Analyzed trends in the rate of temperature change in Pennsylvania streams in relation to criteria applied to thermal discharges.

John Young, Ph.D. - Certified Fisheries Scientist, State College, PA

- ▶ Evaluated effect of proposed pumped-storage project on high-quality trout stream in NY.
- ▶ Thermal plume compliance with water quality regulations.
- ▶ Literature review and testimony for hearings on state thermal criteria for streams.
- ▶ Research programs to establish alternative numerical criteria for rate of temperature change.
- ▶ Post-graduate studies in energy management (NYIT).

relevant information

As outlined in the cover letter, Entech has extensive experience within the energy industry along with the following:

We've completed several projects in Pennsylvania, including teaming with Energy Systems Group to develop and design the first Guaranteed Energy Savings Project (GESA) under the Wolf Administration for Pennsylvania's Department of General Services (DGS) at the State Correctional Institute (SCI) Dallas. In 2015, we completed a Combined Heat and Power Engineering Study and Feasibility Analysis at SCI Muncy which examined several options to provide heating, for the campus, over the next 25 years and are currently working with The Efficiency Network on the SCI Houtzdale GESA Project which is entering the IGA phase.

At SCI Dallas, substantial savings resulted from improvements made at the wastewater treatment plant (WWTP). Entech was instrumental in the conceptual development, design and implementation of the improvements at the SCI Dallas WWTP. We have extensive experience working with WWTPs and reducing energy usage at those plants. While the Fish and Boat Commission hatcheries are not WWTPs, they feel very similar. We expect that the hatcheries will be using pumps and blowers to support the operation of the hatcheries much like WWTPs use pumps and blowers. We believe our in-house expertise will lend itself to the fish hatcheries. Our first concern at the hatcheries needs to be the fish and making sure that any suggested improvements do not affect the aquatic environment. To supplement our team, we have partnered with ASA Analysis & Communication, Inc. who are "fish experts" and have fish scientists on staff.

In 2019, we were selected to serve as the Energy Consultant for the PennDot District 8 GESA project and have just finished participation in the ESCO interviews and are awaiting the scoring committees final ESCO selection so we can continue to support the State as the Investment Grade Audit (IGA) begins.

In New Jersey, we are currently working with the State on their largest ESIP (New Jersey's ESIP program is very similar to Pennsylvania's GESA program) to date which includes the Hunterdon Developmental Center and the Edna Mahan Correctional Facility for Women. This project is expected to be approximately a \$40 million project. For this project, Entech is serving as the measurement and verification professional which is a very similar scope of work to serving as the Energy Consultant for PennDot.

At the New Lisbon Developmental Center, we performed an energy audit, which recommended \$14 million in energy conservation measures (ECMs) and projected an annual savings of \$2.3 million. As part of this effort, we became a "P4P Partner" and oversaw the design and construction of the project, including the post-retrofit M&V necessary to apply for the rebates through the P4P program. New Lisbon reduced their energy by 45% and was awarded \$2 million through the P4P program.

We also completed a pre-Energy Savings Improvement Program (ESIP) energy audit of New Jersey's South Woods State Prison. We created energy use models to determine how and where the energy is used by the campus. From the models, we estimated savings associated with the ECMs. We recommended approximately \$25 million in ECMs with an annual savings of \$3.4 million and a 7.2 year payback.

We worked with Harristown Development, Inc. at Strawberry Square and 333 Market Street in Harrisburg. Entech served as Harristown's representative and energy consultant on an energy savings company (ESCO) project with Siemens. As the energy consultant, Entech worked closely with Siemens to review the Investment Grade Audit, project energy savings, and prepare cost estimates and the contract. During post-retrofit measurement and verification (M&V), billing discrepancies with NRG, the steam utility, were discovered, and Entech is serving as Harristown's representative in negotiations with NRG.

Susquehanna University won an award from the Association of Energy Engineers for a project completed to remove the existing coal fired steam plant and install condensing boilers on campus. Entech served as the engineer of record and worked with the University to develop a utility master plan, which presented campus heating options, including annual energy use models for each option. Following the University's decision to decentralize, we provided design and oversaw the construction of the project which included post-retrofit M&V to verify the savings estimated during the utility master plan. In their first year with the new distributed heating system (2014-15) they realized a \$422,000 (or 60%) annual heating cost reduction. The actual costs savings were within 1% of our heating master plan estimates.

Project Team Experience

Team Member	Title	Project Role	Entech Exp.	Total Exp.
Bryan Haag, PE, LEED	Principal	Principal-in-Charge	19	19
Russell Royds, PE	Senior Project Manager	Project Manager	1	30
Dana Boyer	Project Manager	Project Coordinator	5	17
Mark Feeg, PE	Senior Project Manager	Senior Mechanical Engineer	1	20
Michael Joppy, PE	Project Engineer	Mechanical Engineer	5	5
Mark Ray, CEM	Senior Mechanical Designer	Senior Mechanical Designer	37	37
Bradley Wertz	Energy Analyst	Engineering Technician	5	30
Edward Pietroski, PE	Director, Technical Services	Wastewater Engineer	17	46
Christopher Hannum, PE	Principal	Wastewater Engineer	8	30
Brooks Fost, Ph.D. (ASA)	Certified Fisheries Scientist	Certified Fisheries Scientist	N/A	15
Total Years			98	249

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Appendix B

Quote Signature Page



“ The Entech staff was knowledgeable, experienced, professional, and always accessible. During their on-site visits, they adjusted their schedules as required to accommodate our varied campus activity calendars. ”

Manager of Facilities
Institute for Advanced Studies | Princeton, NJ

APPENDIX B
Quote Signature Page

Quote Signature

Offeror's Representations and Authorizations. Offeror by signing on the signature page and submitting its Quote understands, represents, acknowledges and certifies that:

1. All information provided by, and representations made by, the Offeror in the Quote are material and important and will be relied upon by the Issuing Office in awarding the contract(s). Any misstatement shall be treated as fraudulent concealment from the Issuing Office of the true facts relating to the submission of this Quote. A misrepresentation shall be punishable under 18 Pa. C.S. § 4904.
2. No attempt has been made or will be made to induce any firm or person to refrain from submitting a Quote on this contract, or to submit a Quote higher than this Quote, or to submit any intentionally high or noncompetitive Quote or other form of complementary Quote.
3. The Quote is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive Quote.
4. To the best knowledge of the person signing the Quote for the Offeror, the Offeror, its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four (4) years been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding or proposing on any public contract, except as disclosed by the Offeror in its Quote.
5. To the best of the knowledge of the person signing the Quote for the Offeror and except as otherwise disclosed by the Offeror in its Quote, the Offeror has no outstanding, delinquent obligations to the Commonwealth including, but not limited to, any state tax liability not being contested on appeal or other obligation of the Offeror that is owed to the Commonwealth.
6. The Offeror is not currently under suspension or debarment by the Commonwealth, or any other state, or the federal government. If the Offeror has received, within three years of the issuance of this RFQ, a Notice of Default from the Commonwealth, other state or the federal government, then the Offeror shall submit, as part of the Technical Submission, seven copies of a written explanation of why such Notice of Default was issued. This written explanation shall not exceed 1 sheet (2 pages) and shall not count towards the sheet and page limit established for the Technical Submission of the Quote.
7. The Offeror has not, under separate contract with the Issuing Office, made any recommendations to the Issuing Office concerning the need for the services described in the Quote or the specifications for the services described in the Quote.
8. Each Offeror, by submitting its Quote, authorizes all Commonwealth agencies to release to the Commonwealth information related to liabilities to the Commonwealth including, but not limited to, taxes, unemployment compensation, and workers' compensation liabilities.
9. Until the awarded DGS Energy Consultant receives a fully executed and approved written contract from the Issuing Office there is no legal and valid contract, in law or in equity, and the DGS Energy Consultant should not begin to perform.

10. The total energy savings projected in the final scope of work will be at least 95% of the savings projected in the Quote and that the project will be self-funded over the financial term of the project (maximum term of 20 years.)
11. Offeror agrees and certifies in accordance with the enclosed Commonwealth of Pennsylvania:
 - Nondiscrimination/Sexual Harassment Clause
 - Tax Liability Certification
 - Americans Disabilities Act
 - Contractor Integrity Provisions
 - Contractor Responsibility Provisions
 - Environmental Statement
 - Compliance with State and Federal Statutes, Rules and Regulations
 - Non-Collusion Affidavit

I am authorized to sign this Quote on behalf of the Offeror and I agree and state that Entech Engineering, Inc. (Name of Firm) understands and acknowledges that the above representations are material and important, and will be relied upon by the Department of General Services in awarding the contract(s) for which this Quote is submitted. I understand and my firm understands that any misstatement shall be treated as fraudulent concealment from the Department of General Services of the true facts relating to the submission of this Quote.



Signature

Bryan C. Haag, PE, LEED AP
Print Name Legibly

Principal
Title

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Appendix C

Non-Collusion Affidavit



“Your expertise is extremely helpful in guiding us through many different issues that occur daily with various ongoing issues and concerns.”

Tunnel Team Design Manager
Architect of the Capitol | Washington, DC

APPENDIX C

Non-Collusion Affidavit

INSTRUCTIONS FOR NONCOLLUSION AFFIDAVIT

1. This Noncollusion Affidavit is material to any contract awarded pursuant to this Quote. According to §4507 of the Commonwealth Procurement Code, 62 Pa.C.S. §4507, governmental agencies may require Noncollusion Affidavits to be submitted with Quotes.
2. This Noncollusion Affidavit must be executed by the member, officer, or employee of the Offeror who makes the final decision on prices and the amount quoted in the Quote.
3. Bid rigging and other efforts to restrain competition, and the making of false sworn statements in connection with the submission of Quotes are unlawful and may be subject to criminal prosecution. The person who signs the affidavit should examine it carefully before signing and assure himself or herself that each statement is true and accurate, making diligent inquiry, as necessary, of all other persons employed by or associated with the Offeror with responsibilities for the preparation, approval or submission of the Quote.
4. In the case of a Quote submitted by a joint venture, each party to the venture must be identified in the Quote documents and an affidavit must be submitted separately on behalf of each party to the joint venture.
5. The term “complementary Quote” as used in the affidavit has the meaning commonly associated with that term in the Quote process, and includes the knowing submission of Quotes higher than the Quote of another firm, any intentionally high or noncompetitive Quote, and any other form of Quote submitted for the purpose of giving a false appearance of competition.
6. Failure to submit an affidavit with the Quote in compliance with these instructions may result in disqualification of the Quote.

NONCOLLUSION AFFIDAVIT

GESA 2019-3C

PA Fish & Boat Commission

DGS Project Number: Headquarters & Hatcheries

State of Pennsylvania _____ :

County of Berks _____ : s.s.

I state that I am the Principal (Title) of Entech Engineering, Inc. (Name of Firm) and that I am authorized to make this affidavit on behalf of my firm, and its owners, directors, and officers. I am the person responsible in my firm for the prices(s) and the amount of this Quote.

I state that:

1. The price(s) and amount of this Quote have been arrived at independently and without consultation, communication or agreement with any other contractor, Offeror, or potential Offeror.
2. Neither the price(s) nor the amount of this Quote, and neither the approximate price(s) nor approximate amount of this Quote, have been disclosed to any other firm or person who is a Offeror or potential Offeror, and they will not be disclosed before the Quote submission date.
3. No attempt has been made or will be made to induce any firm or person to refrain from proposing on this contract, or to submit a Quote higher than this Quote, or to submit any intentionally high or noncompetitive Quote or other form of complementary Quote.
4. The Quote of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive Quote.
5. Entech Engineering, Inc. (Name of Firm) its affiliates, subsidiaries, officers, directors, and employees are not currently under investigation by any governmental agency and have not in the last four years been convicted or found liable for any act prohibited by state or federal law in any jurisdiction, involving conspiracy or collusion with respect to proposing and/or bidding on any public contract, except as follows:

I state that Entech Engineering, Inc. (Name of Firm) understands and acknowledges that the above representations are material and important, and will be relied upon by the Department of General Services in awarding the contract(s) for which this Quote is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from the Department of General Services of the true facts relating to the submission of this Quote.

Bryan C. Haag
(Signature)

Bryan C. Haag, PE, LEED AP

(Signatory's Printed Name)

Notary Public

Principal

(Signatory's Title)

SWORN TO AND SUBSCRIBED
BEFORE ME THIS 29th DAY OF

January, 2020.

Catherine J. Montano

My Commission Expires 7/16/22

Commonwealth of Pennsylvania - Notary Seal
Catherine J. Montano, Notary Public
Berks County
My commission expires July 16, 2022
Commission number 1191348

Member, Pennsylvania Association of Notaries

