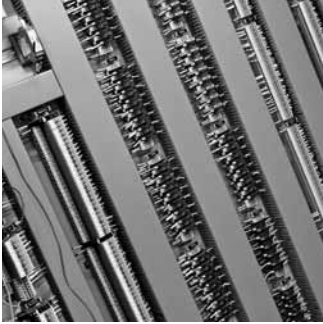


STATEMENT OF QUALIFICATIONS



ENGINEERING **ARCHITECTURE** LANDSCAPE INTERIORS

Ms. Jennifer Matthews, RA, LEED AP
Canutillo Independent School District
Executive Director of Facilities and Transportation
7300 Northern Pass
El Paso, Texas 79911

Re: **New Pre-K Commissioning Services and High School EPSC Review
Statement of Qualifications**

Dear Ms. Matthews

Parkhill, Smith & Cooper, Inc. (A/E) is pleased to have the opportunity to provide Commissioning Services to Canutillo ISD for the New Pre-K to 8th Grade School and a Review of the High School EPSC Program. We understand the scope of services you require to be:

Commissioning Services for the New Pre-K to 8th Grade School

1. PSC will perform the work Per the requirements of the RFQ Dated 23 August which will include:
 - A. **Fundamental Commissioning** as required by Energy & Atmosphere Prerequisite 1, which is required to submit for LEED Certification
 - B. **Enhanced Commissioning** as set forth by Energy & Atmosphere Credit 3, which is applicable towards 2 points in the LEED Rating system.
 - C. **Measurement and Verification** as set forth by Energy & Atmosphere Credit 5, which is applicable towards 3 points in the LEED Rating system.

Our fee will be based on a lump sum amount including expenses as scheduled below. These services will be billed on a percentage complete method. Should the scope of services change during the Project, the lump sum amount will be adjusted either up or down by a mutually agreed upon amount.

| <u>Description</u> | <u>Fee</u> |
|------------------------------|------------------|
| Fundamental Commissioning | \$62,000 |
| Enhanced Commissioning | \$51,000 |
| Measurement and Verification | \$37,000 |
| Total | \$150,000 |

Review of the High School EPSC Program

1. PSC will review the Utility Assessment Report (UAR) issued by Johnson Controls for the High School Energy Performance Service Contract (EPSC) Program. PSC will review return on investment (ROI) calculations for proposed energy conservation measures (ECMs) as well as verify equipment proposed in the EPSC allows for open protocol with vendors outside of Johnson Controls. Based on the review, PSC will provide comments in a bound report and provide a conference call to explain the conclusions. The fee is not reflective of an in person meeting to explain the report conclusions.

| <u>Description</u> | <u>Fee</u> |
|--------------------|------------|
| UAR & EPSC Review | \$8,200 |

We appreciate the opportunity to provide professional services to you and look forward to the successful completion of these projects. If you have any questions please do not hesitate to call us.

Sincerely,



Jared A. Higgins, PE, CEM, CDSM, CPMP
Energy Services Engineer

IN DUPLICATE
JAH / adh

Parkhill, Smith & Cooper, Inc. is a full service engineering and architectural design firm that has a long history of service in Texas. The firm began in Lubbock, Texas in 1945, and has been engaged in a continuous professional practice in Texas for 65 years. Today, PSC has offices located in El Paso, Lubbock, Midland, Amarillo, Abilene, and Las Cruces, and maintains a total staff of nearly 250 professional, technical and support personnel. PSC is consistently ranked among the Top 500 Design Firms in the United States (Engineering News Record). Design services offered by PSC include:

- Architectural design
- **Building Commissioning**
- Civil engineering
- Cost estimating & scheduling
- Construction Management
- Electrical, instrumentation & mechanical engineering
- Interior design
- Landscape Architecture
- Structural engineering

Personnel

The personnel that PSC will assign to this project are highly-qualified and self-motivated. Attached please find an Organizational Chart that shows the specific project responsibilities that will be assigned to the PSC staff. This chart will be complemented by additional Commissioning Team members from the facility user, operation and maintenance personnel, and the architect and engineering design professionals. Also attached are resumes for each PSC team member.

This project will also have the support of PSC's more than 250 professional, technical and support personnel.



Project Experience

PSC clients range from healthcare and educational clients, to municipalities and the federal government, to oil and gas companies. One of the services PSC has provided to each of these different clients is assistance in the construction and commissioning of their buildings and facilities. Mr. Jared Higgins has commissioned building systems throughout West Texas and the Eastern United States. Enclosed please find ten project descriptions that demonstrate our experience in performing building commissioning services and energy service performance contract review .

PSC Commissioning Project Experience

General Services Administration United States Courthouse Management and Inspection Services, El Paso, Texas

- New 239,600 GSF United States Courthouse in downtown El Paso, including an eight-story tower which houses eleven courtrooms and thirteen chambers.
- PSC provided management and inspection services in the form of Structural, Mechanical, Electrical, and Civil Engineering support to the M&I Team.
- Also participated in the “Floor Start” functions of the project in which dedicated floors and their accompanying mechanical and electrical systems were tested and commissioned.

Borger ISD New Gateway-Crockett Elementary School, Borger, Texas

- 119,800 SF
- Mechanical Systems Commissioned
 - Packaged Rooftop Units
 - Split System Air Conditioners
 - Exhaust Fans
 - Gas Fired Domestic Hot Water Heaters
 - Electric Domestic Hot Water Heaters
 - Hydronic Pumps (Wet Rotor Circulator)
 - Energy Management Control System
- Electrical Systems Commissioned
 - Automatic Lighting Control System
- Features
 - LEED Certified
 - Energy Modeling
 - 22.2% Annual Energy Costs Savings
 - \$24,160 Estimated Annual Savings

Basarnti Elementary School, Fort Campbell, KY

- 90,000 sf
- Mechanical Systems Commissioned
 - Packaged Variable Volume Air Handling Units
 - Split System Air Conditioners
 - Natural Gas Fired Boilers
 - Variable Air Volume Boxes
 - Hydronic Radiant Heaters
 - Exhaust Fans
 - Gas Fired Domestic Hot Water Heaters

- Hydronic Pumps (Close Coupled, Wet Rotor Circulator)
- Energy Management Control System
- Electrical Systems Commissioned
 - Variable Frequency Drives
 - Occupancy Sensors
- Features
 - Designed to LEED Certified
 - Energy Modeling
 - 22.6% Annual Energy Costs Savings
 - \$20,800 Estimated Annual Savings

PSC East Building, Lubbock, Texas

- 13,800 sf
- Mechanical Systems Commissioned
 - Packaged Rooftop Units
 - Split System Air Conditioners
 - Exhaust Fans
 - Electric Domestic Hot Water Heaters
 - Energy Management Control System
- Electrical Systems Commissioned
 - Automatic Lighting Control System

Eastern New Mexico University Health Science Center, Roswell, NM

- 17,000 sf
- Mechanical Systems Commissioned
 - Packaged Rooftop Units
 - Split System Air Conditioners
 - Exhaust Fans
 - Electric Domestic Hot Water Heaters
 - Energy Management Control System
- Electrical Systems Commissioned
 - Automatic Lighting Control System
- Features
 - LEED Silver Submission
 - Energy Modeling
 - 14.3% Annual Energy Costs Savings
 - \$4,585 Estimated Annual Savings

PSC Commissioning Project Experience

(continued)

Bowley Elementary School Boiler Replacement, Fort Bragg, North Carolina

- 71,000 sf
- Mechanical Systems Commissioned
 - Natural Gas Fired Boilers
 - Hydronic Pumps (End Suction, Wet Rotor Circulator)
 - Natural Gas Fired Tankless Domestic Hot Water Heaters
 - Water Source Heat Pumps
 - Energy Management Control System

Albritton Junior High School HVAC Renovations, Fort Bragg, North Carolina

- 99,000 sf
- Mechanical Systems Commissioned
 - Packaged Air Cooled Chiller
 - Natural Gas Fired Boilers
 - Packaged Dedicated Outside Air System
 - Hydronic Fan Coil Units
 - Exhaust Fans
 - Natural Gas Fired Domestic Hot Water Boilers
 - Hydronic Pumps (Horizontal Split Case, End Suction, Vertical In-Line, Wet Rotor Circulator)
 - Energy Management Control System
- Electrical Systems Commissioned
 - Variable Frequency Drives

Mineral Wells ISD ESCO, Mineral Wells, Texas

- Energy Conservation Measures Reviewed
- Installing VFDs on air handling unit motors
 - Installing VFDs on pump motors
 - Lighting system upgrades
 - Low flow plumbing fixtures

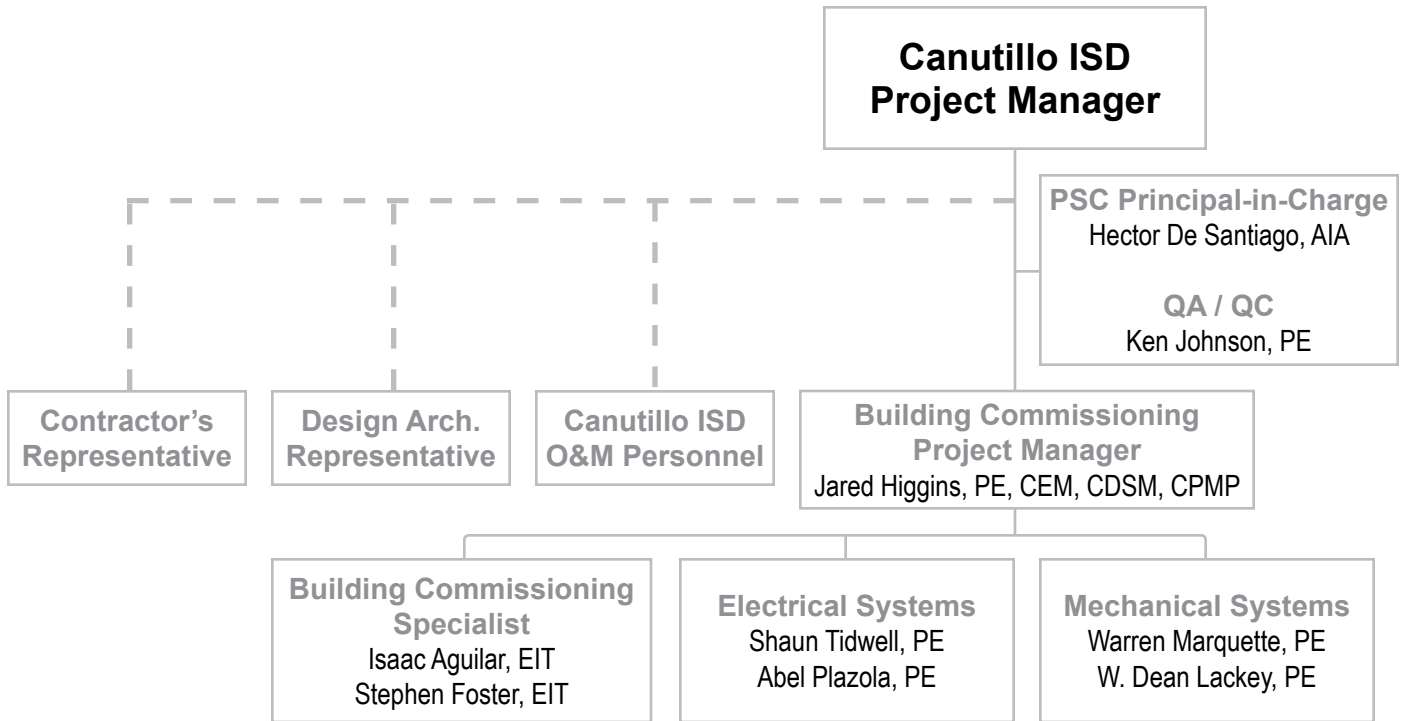
Antilles Middle School EPSC, Fort Buchanan, Puerto Rico

- Energy Conservation Measures Reviewed
- Air cooled chiller replacement
 - Installation of Energy Management Control System
 - Solar domestic hot water system

Antilles High School EPSC, Fort Buchanan, Puerto Rico

- Energy Conservation Measures Reviewed
- Installation of Energy Management Control System
 - Solar domestic hot water system

Building Commissioning Team



| Employee / Title | Education | Registration |
|---|--|---|
| Jared Higgins, PE, CEM, CDSM Building Commissioning Project Manager | Bachelor of Science, Mechanical Engineering, Texas Tech University, 2004 | Professional Engineer, Texas 15015 Professional Engineer, New Mexico 20124 Certified Energy Manager, 17219 Certified Demand Side Manager, 1388 ASHRAE - Commissioning Process Management Professional (Certificate Pending) |
| <p>Mr. Higgins has been involved in the assessment, design, construction, and commissioning of several heating, ventilating and air conditioning (HVAC) systems throughout West Texas, the Eastern United States, the Caribbean, and Europe. As a mechanical engineer, Mr. Higgins has designed numerous HVAC systems including packaged rooftop units, chiller systems, boiler systems, geothermal systems, and variable refrigerant flow systems. He leads the energy services team for PSC, which consist of commissioning, energy modeling, and energy management. Mr. Higgins has served as the commissioning agent, commissioning specialist, and design agency representative on several projects concerning Leadership in Energy and Environmental Design (LEED®), the United States Corps of Engineering, and Naval Facilities Command. He was worked with several different clients in developing owner project requirements (OPR) as well as assisting design firms develop their basis of design with regard to an OPR. He has developed commissioning plans and performed acceptance testing of several different types of building systems. Mr. Higgins uses his knowledge of building systems and the commissioning process to provide his clients with the most efficient facility and experience possible.</p> | | |
| Kenneth J. "Ken" Johnson, PE Electrical Engineer | Bachelor of Science, Electrical Engineering, University of Texas at El Paso, 1970 | Professional Engineer, Texas 77809 |
| <p>Mr. Johnson joined PSC in 1994, named Corporate Associate in 1996, and in 1998 was named as a Principal in the firm. His 38 years of professional experience have included the design of numerous electrical and mechanical systems for institutional, industrial and municipal use. Process equipment for several different industries have been designed by Mr. Johnson. Mr. Johnson has designed numerous fire protection systems and his experience includes fire pump design and hydraulic calculations.</p> | | |

Building Commissioning Team

(continued)

| Employee / Title | Education | Registration |
|--|---|--|
| <p>Warren P. Marquette, PE Mechanical Engineer</p> <p>Mr. Marquette joined PSC in 1999 and serves as the lead mechanical engineer on projects accepted by the firm. His 20 years of professional experience have included the design of numerous mechanical systems for industrial and municipal facilities.</p> | <p>Bachelor of Science, Mechanical Engineering, University of Texas at El Paso, 1980</p> | <p>Professional Engineer, Texas 60706</p> |
| <p>Shaun R. Tidwell, PE Electrical Engineer</p> <p>Mr. Tidwell joined PSC in 2005, working part-time while attending the University of Texas at El Paso and majoring in Electrical Engineering. Since 1999, Mr. Tidwell has worked in various fields involving engineering, including installing wiring, performing field investigations, I&C, and GIS.</p> | <p>Bachelor of Science, Electrical Engineering, University of Texas at El Paso, 2007</p> | <p>Professional Engineer, Texas 106911 Professional Engineer, New Mexico 20597</p> |
| <p>Abel P. Plazola, PE Electrical Engineer</p> <p>Mr. Plazola joined PSC 3 years ago and brought with him 5 years of international experience from Mexico. He held relevant positions such as Electrical Project Manager and Electrical Design Team Leader in Tijuana and Juarez, Mexico with project emphasizes on industrial and commercial buildings. He has designed and developed electrical & power systems for multiple projects, varied in scale and complexity. His knowledge of indoor and outdoor lighting systems has been tremendously successful in different projects. During his time with the company, he has become very knowledgeable on medium voltage power and lighting protection. Additionally he has 2 years of experience in Research and Development (R&D) as Product Engineer in the manufacturing industry.</p> | <p>Bachelor of Science, Electrical & Mechanical Engineering, Instituto Tecnologico de Tijuana, 2003</p> | <p>Professional Engineer, Texas 108823 Professional Engineer, Mexico 4977576</p> |
| <p>Isaac N. Aguilar, EIT Building Commissioning Specialist</p> <p>Mr. Aguilar joined the PSC team in November 2006. He brought with him a background in power distribution systems for the electrical utility industry. Mr. Aguilar currently designs electrical systems for various project types, including educational, healthcare, institutional facilities and municipalities. He has also helped design the electrical requirements for emergency backup generators for healthcare, data centers, airports, booster stations, and chiller plants. Mr. Aguilar also provides building evaluations of electrical system modifications and upgrades for various types of building renovation projects.</p> | <p>Bachelor of Science, Electrical Engineering, Texas Tech University, 2007</p> | <p>Engineer-in-Training, Texas 44480</p> |
| <p>Stephen D. Foster, EIT Building Commissioning Specialist</p> <p>Mr. Foster joined the PSC team in April of 2008. He has designed several types of mechanical systems including packaged systems, chilled water, heating water, and variable refrigerant flow technology. He has been involved in the commissioning process as both the design agency representative and the commissioning specialist.</p> | <p>Bachelor of Science, Mechanical Engineering / Mathematics, Texas Tech University, 2007</p> | <p>Engineer-in-Training, Texas 39395</p> |