

ANNOUNCEMENT



**MIAMI-DADE COUNTY  
INTERNAL SERVICES DEPARTMENT  
ARCHITECTURAL & ENGINEERING (A&E) UNIT  
TECHNICAL CERTIFICATION FOR BUILDING  
PERFORMANCE EVALUATION SERVICES**

**DATE:** Tuesday, December 11, 2018

**TIME:** 12:30 P.M. – 2:30 P.M.

**LOCATION:** Miami-Dade County  
Stephen P. Clark Center  
Conference Room 18-3 and 18-4  
111 N.W. 1<sup>st</sup> Street  
Miami, FL 33128

Miami-Dade County will be holding an Industry Workshop for the creation of a new Technical Certification (TC) for Building Performance Evaluation (BPE). The draft of the new TC category is attached and describes the services to be rendered under the County's Energy Performance Contracting Program. We are also in the process of defining the most efficient method of procuring said services so that the County adopts a consistent and transparent method of measuring and monitoring building performance before, during and after energy, water, and wastewater audit projects for the County.

All interested firms are encouraged to attend and provide comments, ideas, suggestions, etc. regarding a future solicitation. Providers interested in attending should RSVP no later than 24 hours before the scheduled date. Attendance notices should be sent to Amado Gonzalez at [Amado.Gonzalez@miamidade.gov](mailto:Amado.Gonzalez@miamidade.gov) or by calling (305) 375-3888.

Additionally, providers interested in doing business with the County are encouraged to enroll as a vendor by visiting the County's website at <http://www.miamidade.gov/procurement/vendor-services.asp>.

**CATEGORY/  
SUB-CATEGORY  
INDEX**

**CATEGORY DESCRIPTION**

**27.00**

**BUILDING PERFORMANCE EVALUATION SERVICES**

This class of work encompasses all aspects of Building Performance Evaluation (BPE) which is a tested and defined method that can be adopted to measure and monitor building performance before, during and after building projects. The BPE shall have the experience to monitor the results by establishing a robust energy monitoring systems, providing results to agreed timescales and ensure that identified anomalies are resolved.

Energy, water, or wastewater cost savings means a measured reduction in the cost of fuel, energy or water consumption, or wastewater production; stipulated operation and maintenance savings; improvements in supplied utility systems, including, without limitation, revenue enhancements or reduction in net operating costs resulting from increased meter accuracy or performance; and identified capital savings, created from the implementation of one or more energy, water, or wastewater efficiency or conservation measures when compared with an established baseline for the previous cost of fuel, energy or water consumption, wastewater production, stipulated operation and maintenance, meter accuracy or performance, and identified capital costs.

**27.01 Energy/Water and Wastewater Audit**

The goal of an energy, water and wastewater audit is to identify energy, water and wastewater - saving opportunities, but also to increase asset values, lower ownership costs and promote environmental stewardship, human comfort, health and safety. This is done by taking a comprehensive look at the energy consumption data associated with a commercial building, as well as the energy and resource consuming infrastructures, to identify fiscally responsible, sustainable energy efficiency measures that reduce energy usage and carbon emissions.

Qualified auditor means an individual who is not on the staff of the property being audited and possesses such qualifications as determined to perform or directly supervise individuals performing energy and water audits, and to certify audit reports required by this work type.

**PROFESSIONAL STATUS:**

Pursuant to Florida Statutes 489.145. To render services under TC 27.01 the certified Qualified Auditor certified must work directly under the supervision of a qualifier who is a Professional Engineer working full time for a company Prequalified and Technically Certified with Miami-Dade County.

The qualified auditor can be an employee or contractor hired by the reporting entity, an employee of a utility, or a third-party service provider who has two or more years of auditing experience and possesses one or more of the following certifications:

- a. An accredited certification that has been designated a "Better Buildings Recognized Program" by the U.S. Department of Energy meeting the criteria set forth in the Better Buildings Workforce Guidelines (BBWG) for Building Energy Auditors or Energy Managers;
- b. A Professional Engineer (PE) registered in the State of Florida;
- c. Certified Energy Auditor (CEA) or certified Energy Manager (CEM), issued by the Association of Energy Engineers (AEE);
- d. Certified Facilities Manager (CFM), issued by the International Facility Management Association (IFMA);

- e. System Maintenance Administrator (SMA) or System Maintenance Technician (SMT), issued by Building Owners and Managers Institute (BOMI) International;
- f. High Performance Building Design Professional (HBPD) or Building Energy Assessment Professional (BEAP), issued by the American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE);
- g. For audits of multifamily residential buildings only, a Multifamily Building Analyst (MFBA), issued by the Building Performance Institute (BPI);
- h. Certified RESNET (Residential Energy Services Network); or
- i. Federally recognized certification standards for water auditors.

#### **ADEQUACY OF PERSONNEL:**

At least one (1) "Qualified auditor" is required to obtain this Technical Category (TC) certification. The number of certified professionals and other technical support personnel required for specific projects, will be determined during the consultant selection process on a project-by-project basis against the Selection Committee's estimate of the consultant personnel, required to adequately and competently perform the work in the desired time frame.

To render services under Technical Category TC the supervision of a qualifier who is a Professional Engineer working full time for a company Prequalified and Technically Certified with Miami-Dade County.

#### **PAST RECORD, EXPERIENCE, AND CAPABILITY:**

TC Category Form 2 must contain specific information as to the technical nature of projects demonstrating satisfactory experience activities required by this class in their specific fields, used by the firm to obtain County Certification.

Satisfactory experience must be demonstrated in the activities required by this class by the full-time employed professional(s) used by the firm to obtain County Certification, and by the bona fide employees thereof, if required by a particular project.

#### **27.02 COMMISSIONING/RETRO-COMMISSIONING**

(2) "Qualified retuning professional" means an individual who is not on the staff of the property being retuned and possesses such qualifications as determined to perform or directly supervise individuals performing the retuning work required by this work type. To mean a systematic process for optimizing building performance through the assessment, identification and correction of deficiencies in existing base building systems, including but not limited to repairs of defects, cleaning, adjustments of valves, sensors, controls or programmed set points, and/or changes in operational practices.

The qualified retuning professional can be an employee or contractor hired by the reporting entity, an employee of a utility, or a third-party service provider who has two or more years of commissioning or retuning experience and possesses one or more of the following certifications:

- a. An accredited certification that has been designated a "Better Buildings Recognized Program" by the Department of Energy meeting the criteria set forth in the Better Buildings Workforce Guidelines (BBWG) for Building Commissioning Professionals;
- b. A Professional Engineer (PE) registered in the State of Florida; Certified Commissioning Professional (CCP), issued by the Building Commissioning Association (BCA);

- c. Certified Commissioning Authority (CxA) or Certified Commissioning Technician (CxT), issued by the AABC Commissioning Group (ACG);
- d. Certified Building Commissioning Professional (CBCP) or Existing Building Commissioning Professional (EBCP), issued by the Association of Energy Engineers (AEE);
- e. Certified Professional certified by the National Environmental Balancing Bureau (NEBB);
- f. Commissioning Process Management Professional (CPMP), issued by American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE);
- g. Accredited Commissioning Process Authority Professional (ACPAP) approved by the University of Wisconsin.

**PROFESSIONAL STATUS:**

Pursuant to Florida Statutes 489.145. To render services under TC 27.01 the certified Qualified Auditor certified must work directly under the supervision of a qualifier who is a Professional Engineer working full time for a company Prequalified and Technically Certified with Miami-Dade County.

**ADEQUACY OF PERSONNEL:**

At least one (1) "Qualified auditor" is required. The number of certified professionals and other technical support personnel required for specific projects, will be determined during the consultant selection process on a project-by-project basis against the Selection Committee's estimate of the consultant personnel, required to adequately and competently perform the work in the desired time frame.

To render services under TC 27.02 the certified Qualified Auditor certified must work directly under the supervision of a qualifier who is a Professional Engineer working full time for a company Prequalified and Technically Certified with Miami-Dade County.

**PAST RECORD, EXPERIENCE, AND CAPABILITY:**

TC Category Form 2 must contain specific information as to the technical nature of projects demonstrating satisfactory experience activities required by this class in their specific fields, used by the firm to obtain County Certification.

Satisfactory experience must be demonstrated in the activities required by this class by the full-time employed professional(s) used by the firm to obtain County Certification, and by the bona fide employees thereof, if required by a particular project.

**27.03 ESCO**

**PROFESSIONAL STATUS:**

Pursuant to Florida Statutes 489.145. To render services under TC 27.03 the ESCO certified company must work directly under the supervision of a qualifier who is a Professional Engineer working full time for a company Prequalified and Technically Certified with Miami-Dade County.

If an ESCO (Energy Service Company) project is going to include solar NABCEP (North American Board of Certified Energy Practitioners (<http://www.nabcep.org/>)) certification is preferred, on one or more of the following certifications:

- a. PV Installation Professional (PVIP) Certification,
- b. PV Design Specialist,
- c. PV Installer Specialist, and

- d. PV Commissioning & Maintenance Specialist.

**ADEQUACY OF PERSONNEL:**

The number of certified professionals and other technical support personnel required for specific projects, will be determined during the consultant selection process on a project-by-project basis against the Selection Committee's estimate of the consultant personnel, required to adequately and competently perform the work in the desired time frame.

NAESCO Company Certification is required

To render services under TC 27.03 the ESCO certified company must work directly under the supervision of a qualifier who is a Professional Engineer working full time for a company Prequalified and Technically Certified with Miami-Dade County.

**PAST RECORD, EXPERIENCE, AND CAPABILITY:**

TC Category Form 2 must contain specific information as to the technical nature of projects demonstrating satisfactory experience activities required by this class in their specific fields, used by the firm to obtain County Certification.

Satisfactory experience must be demonstrated in the activities required by this class by the full-time employed professional(s) used by the firm to obtain County Certification, and by the bona fide employees thereof, if required by a particular project.