



TECHNICAL PROJECT REVIEW OVERVIEW

PROGRAM OVERVIEW

Loop-Counterpointe PACE LLC is the Program Administrator for a Property Assessed Clean Energy (“PACE”) Program to facilitate the financing and refinancing of Energy Projects under the Illinois Property Assessed Clean Energy Act (the “Program”). The Program facilitates the financing and refinancing of alternative energy improvements, renewable energy improvements, energy efficiency improvements, resiliency, and water use improvements (“Energy Projects”) affixed to eligible properties.

Energy Project approval will be contingent upon a Technical Project Review (“TPR”) whereby the Program Administrator will review all elements of the project including the water or energy use and a modeling of expected monetary savings.

ELIGIBLE EXPENSES

Eligible expenses generally include all project costs as well as all related work, financing costs, and soft costs necessary for the installation of Energy Projects. Installation costs include, but are not limited to:

- Designs, engineering plans, drawings, and surveys
- Building permits and inspections
- Pre-paid warranties and service contracts for repairs and maintenance
- Related carpentry, electrical work, and other costs associated with installation of the Energy Project

TECHNICAL PROJECT REVIEW

A Technical Project Review must be submitted and approved by the Program Administrator as part of the PACE Project Application process. A TPR includes:

1. Contractor proposal regarding the Energy Project with project milestones and scope of work for a proposed payment schedule
2. TPR Summary itemizing proposed energy efficiency and water conservation improvements and an evaluation of the existing water or energy use and a modeling of expected monetary savings.
3. This TPR Certification.

TPR CERTIFICATION

Property Address:

Date:

The Professional who has performed this review has the following professional qualifications:

- Licensed Professional Engineer IL REG. NO. _____
- Certified Energy Manager (CEM), Certified Measurement and Verification Professional (CMVP) or Certified Energy Auditor (CEA) by the Association of Energy Engineers (AEE)
- Certified Commissioning Professional by the Building Commissioning Association
- Credentialed Quality Assurance Provider by the Investor Confidence Project
- Other (please describe: _____)

I have evaluated the property's existing water or energy use and provided a modeling of expected savings for the proposed Energy Projects in compliance with generally accepted methods for data collection, measurement, and savings calculations.

Signature

Date

Name

Company

Title

Company Address

Email

Phone

Accepted methods for data collection, measurement and savings calculation may include but are not limited to the technical standards in the latest editions of the following:

- Investor Confidence Project (ICP)- Energy Performance Protocols (EPP) for Standard and Large Commercial Facilities
- American Society for Testing and Materials (ASTM) E2797-11, Building Energy Performance Assessment (BEPA) Standard (data collection and baseline calculations for the energy audit and building asset data)
- International Performance Measurement and Verification Protocol (IPMVP)
- The Alliance for Water Efficiency (AWE) Conservation Tracking Tool
- EPA WaterSense Product Guide
- American National Standard Institute/Building Owners and Managers Association (ANSI/BOMA) Z65-3-2009 (gross floor measurement)
- National Institute of Standards and Technology (NIST) Life-Cycle Costing Manual, NIST Handbook 135
- ASHRAE Guideline 14-2002 (measurement of energy and demand savings)
- ASHRAE Guideline 4, Preparation of Operating and Maintenance Documentation for Building Systems
- ASHRAE Guideline 1.4, The Systems Manual for Facilities
- ASHARE Guideline 14, Whole Building Performance Path (2002 edition)
- ASHRAE Handbook 2011, Fundamentals, Chapter 39 (Codes and Standards)
- ASHRAE Procedures for Commercial Building Energy Audits
- ASHRAE Standard 202, Commissioning Process for Buildings and Systems