



BEYOND
SMART CITIES

LEARN.BEYONDSMARTCITIES.IN



WELCOME TO BEYOND MONITORING BASED COMMISSIONING - MBCX

ONLINE TRAINING

KRISHNAJI PAWAR - CEO & FOUNDER



06

Reporting Phase - MBCx

SECTION - MBCX



The objective of the Reporting phase is to ensure that facility staff and occupants have the understanding and documentation necessary to properly operate and maintain the changes and improvements made during the MBCx process, so the performance improvements persist over time.





Preparing Countries & Tomorrow's Commissioning Specialists



NEXT



Learning Objectives

- Brief Introduction
- Activities during Reporting Phase
- Post-Implementation Measurement and Verification
- Final Report
- Systems Manual
- Training



Introduction

Reporting Phase Cx tasks include these activities:

- Determine post-implementation annual energy use based on whole-building energy trends.
- Submit Form E, verifying project completion.
- Submit the final report and associated documentation to the Partnership.
- Perform staff training.
- Receive an incentive payment



NEXT



Post-Implementation Measurement and Verification

The determination of post-implementation annual energy use is subject to the same requirements listed above in the Measurement and Verification section.

Final Report

- A Final Report must be submitted to the Partnership which includes include a description of the facility, HVAC equipment, controls, operating schedules, operational deficiencies and energy efficiency opportunities (commonly referred to as a Findings Log), changes in project scope, an analysis of baseline and post-MBCx energy use and the resulting energy savings along with a verbal and visual description of the analysis approach, and any other issues encountered which are relevant to a comprehensive understanding of the project.
- The Final Report should also describe the staff training program which will be offered and when it will take place.

Cost Documentation

- Campus/Cx Agent cost documentation is required. Invoices must verify contractor costs. Campus accounting software should verify in-house labour and materials in the project cost. The project cost cannot include equipment purchased before Partnership Management Team application approval.
- Document as much of the project cost as feasible because incentive payments are cost-capped at 80% of verified project costs.



Systems Manual

- The Systems Manual is a comprehensive compilation of documents which fully describe, among other items, the building's operating systems, controls sequences, maintenance schedules, and diagnostic protocols.
- It is recommended that the campus contract with their Cx Agent to provide this documentation, however it is not a program requirement.
- If the cost of creating a Systems Manual is included in the project costs, a digital copy of the Systems Manual must be submitted to the Partnership.



Staff Training

- All campus staff responsible for maintaining the building should be trained in the current (post-MBCx) operating sequences.
- Staff should also be trained to utilize the EMS and EIS to recognize equipment and system failures and be able to diagnose the cause of the problem.



Thanks

Learn From Beyond Smart Cities
Online professional courses led by
the world's top specialists

kr
KRISHNAJI PAWARI
SUSTAINABILITY SPECIALIST

LEARN.BEYONDSMARTCITIES.IN