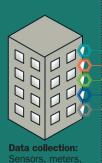
# **EMIS FIELD EVALUATION PROTOCOL**

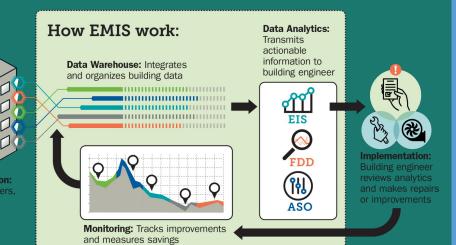
Validate energy and non-energy benefits from EMIS

## WHAT IS ENERGY MANAGEMENT & INFORMATION SYSTEMS (EMIS)?

### EMIS Features

- Energy information systems (EIS) help find energy waste using smart meter data
- Fault detection and diagnostics (FDD) detect and prioritize HVAC system faults
- Automated system optimization (ASO) modifies control settings to minimize energy use while maintaining occupant comfort





## **EMIS FIELD EVALUATION** CHALLENGES & OPPORTUNITIES

With the number of EMIS field validation projects growing, the EMIS Protocol provides a standardized way to assess benefits

### Challenges

- Studies have been conducted in different ways
- Inconsistent datasets can be hard to generalize Uncertainty slows **EMIS** adoption

### Opportunity

- Standardized EMIS **Evaluation Protocol:**
- ✓ Validates energy & non-energy benefits
- ✓ Identifies key and optional metrics
- ✓ Balances high rigor with flexibility

# HOW YOU CAN USE THE **EMIS FIELD EVALUATION PROTOCOLS**

### **Target Audience**

Evaluators & Researchers on:

- Federal or state-sponsored emerging technology programs
- Utility industry emerging technology programs
- Large building portfolio pilot studies

### How the EMIS Protocol can help

- ✓ Includes a template to describe EMIS technology features & capabilities
- ✓ Provides an easy-to-follow EMIS field evaluation plan
- ✓ Identifies minimum & optional evaluation parameters and approaches for determining costs & benefits from EMIS



**Access EMIS Protocols & Reporting Templates at** buildings.lbl.gov/emis/emis-field-evaluation-protocol

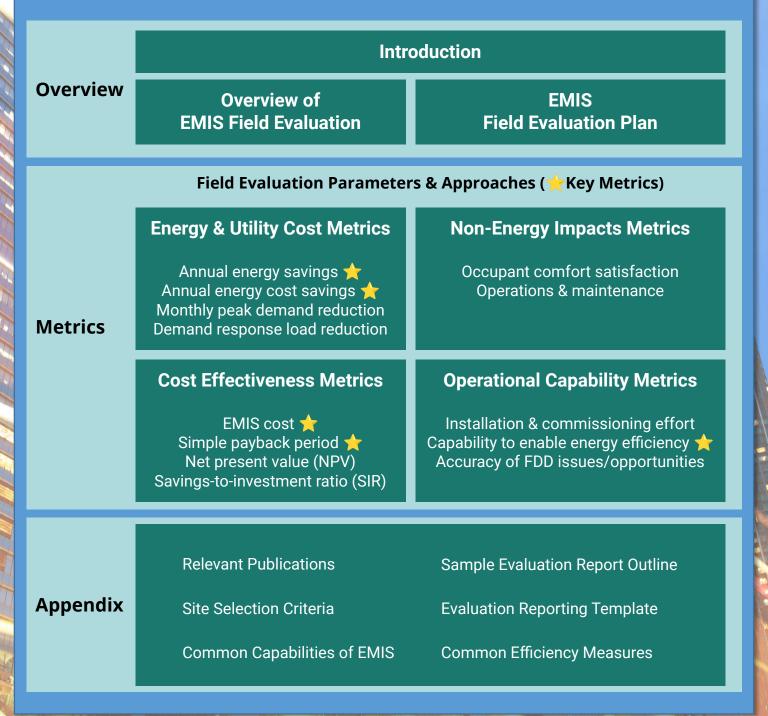
CONTACT: EMIS@LBL.GOV

# **EMIS FIELD EVALUATION PROTOCOL**

Validate energy and non-energy benefits from EMIS

### **EMIS PROTOCOL CONTENTS OVERVIEW**

The EMIS Protocol provides an approach to assessing EMIS' energy and non-energy benefits using a minimum set of standardized metrics supplemented by optional metrics





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