













The Role of Stewardship



Owner / Investor Set Goals and Scope Empower Process Financial backing

Energy Efficiency & Renewable Energy

17 | FEMP First Thursday Seminars

femp.energy.gov/training

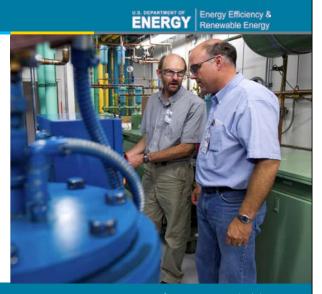
FEMP First Thursday Seminars

The Role of Stewardship

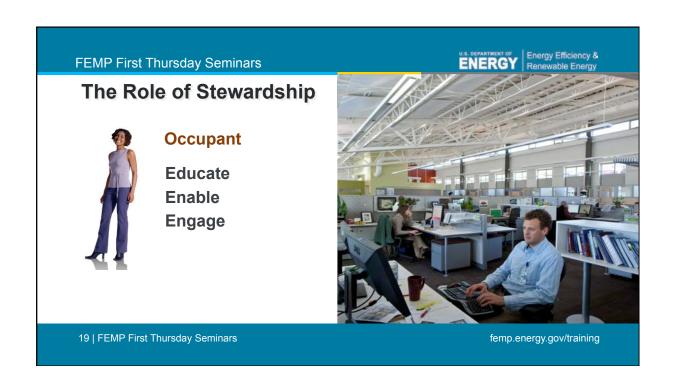


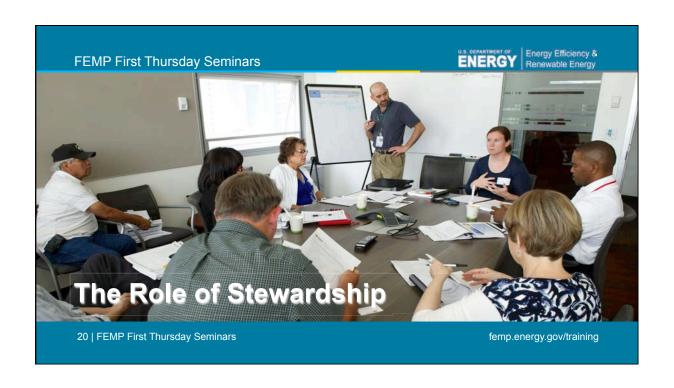
Operator

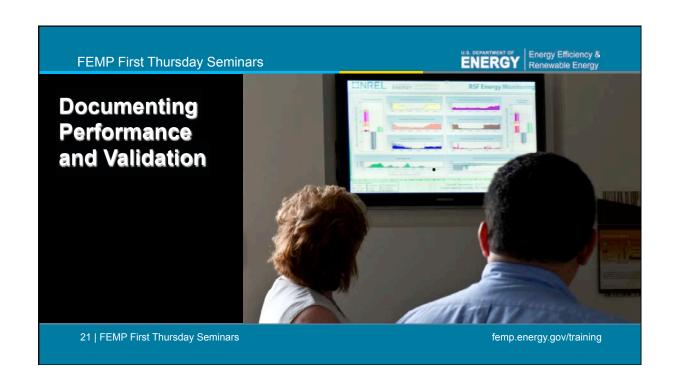
Investigate Implement Cultivate

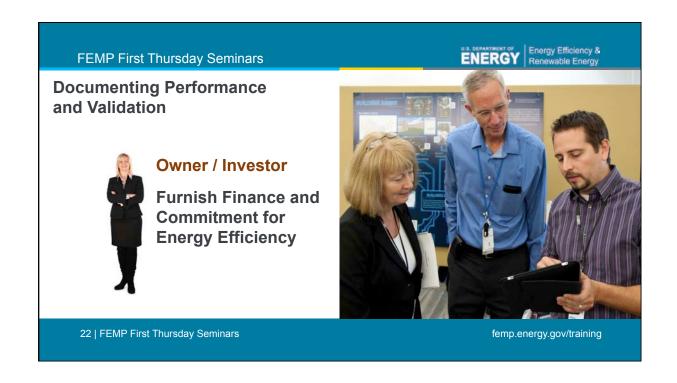


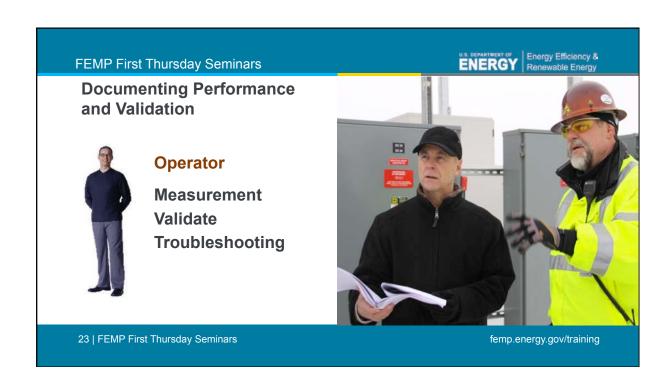
18 | FEMP First Thursday Seminars







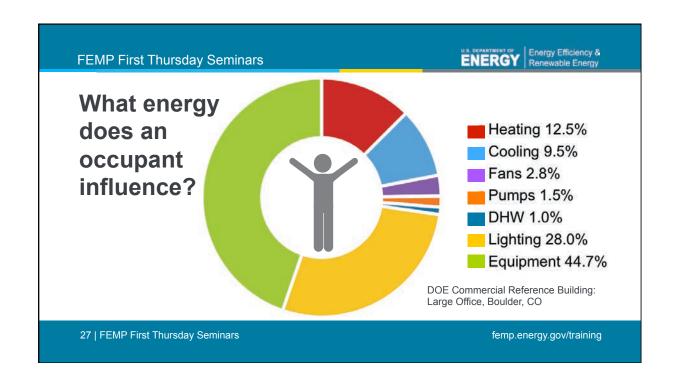




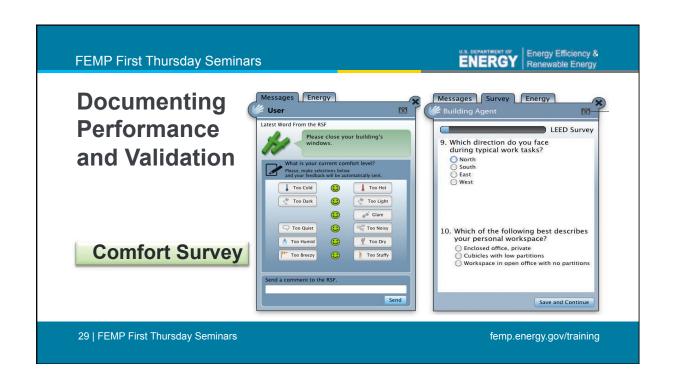


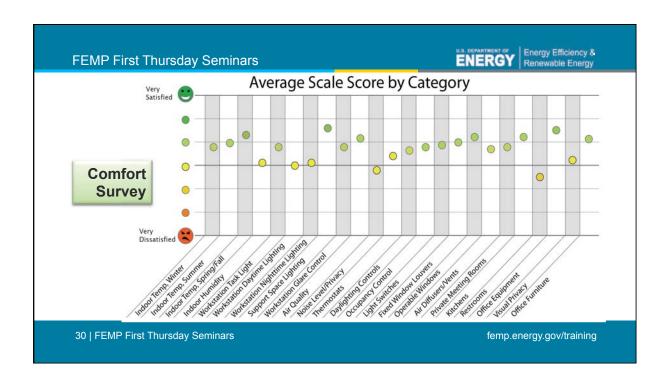


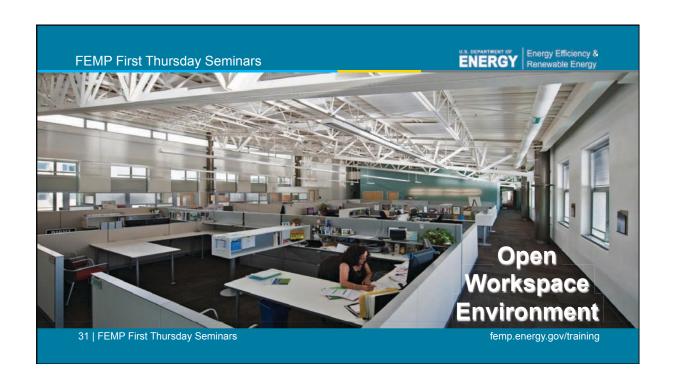


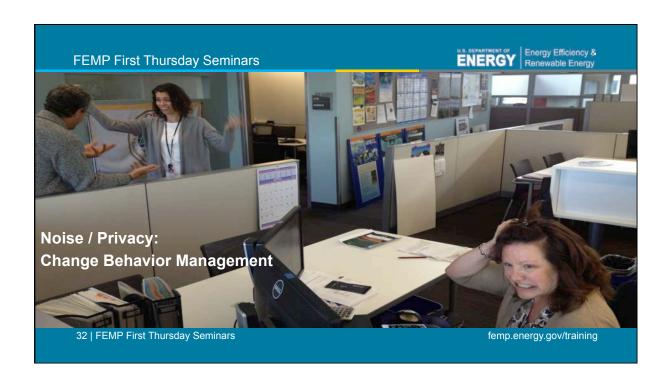


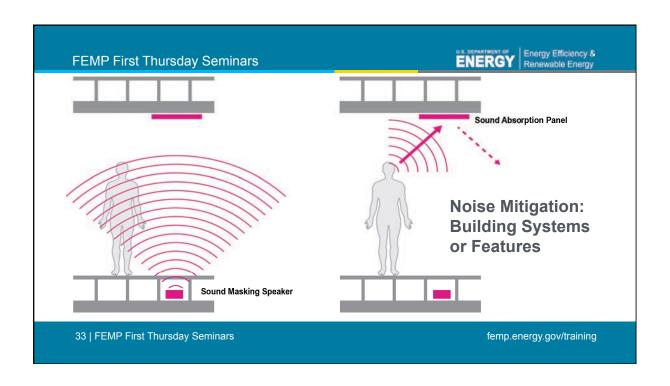


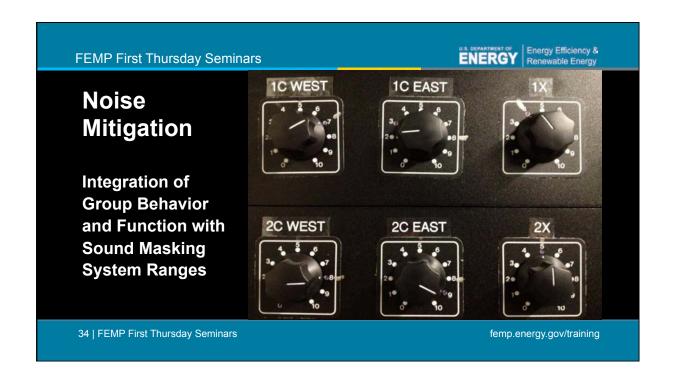












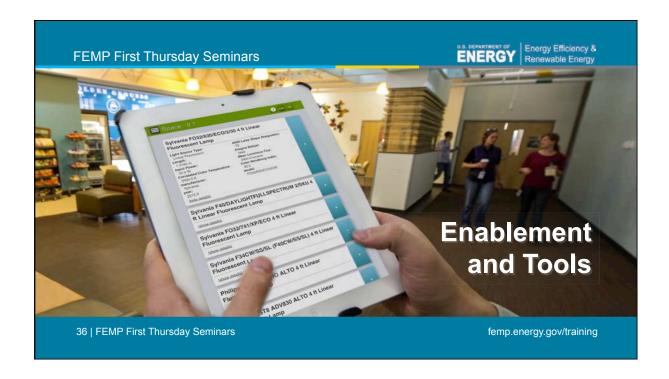


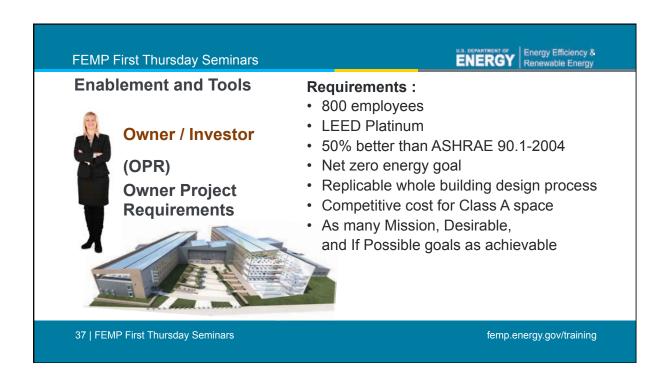
Comfort Survey

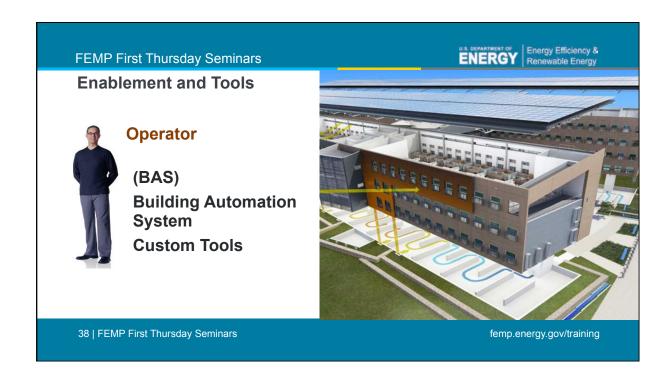
"What if a building occupant complains about thermal comfort issues that an operator cannot adjust without impacting the building performance?

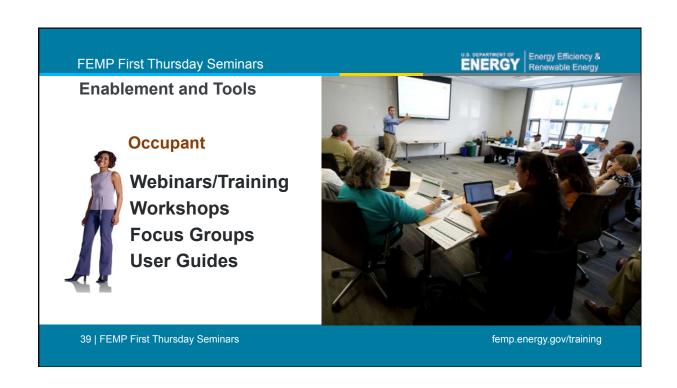
...Be responsive to person's complaints within reason: explore options, tweak systems, relocate the occupant to another space in the building that might alleviate the problem.

35 | FEMP First Thursday Seminars

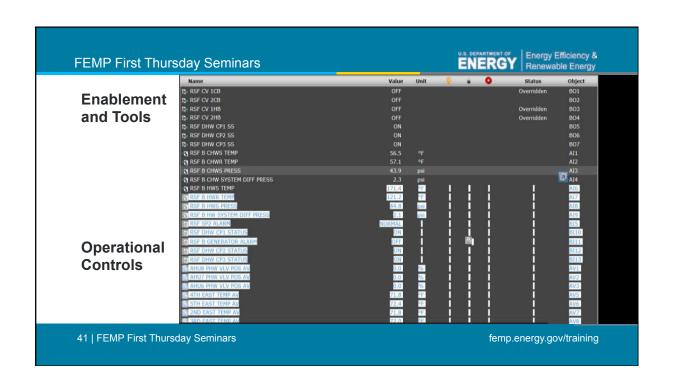




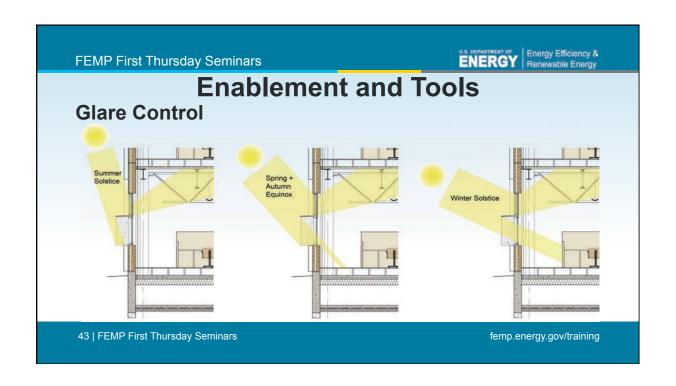


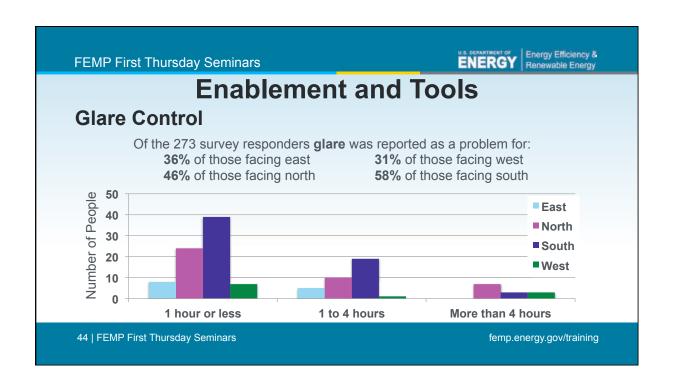


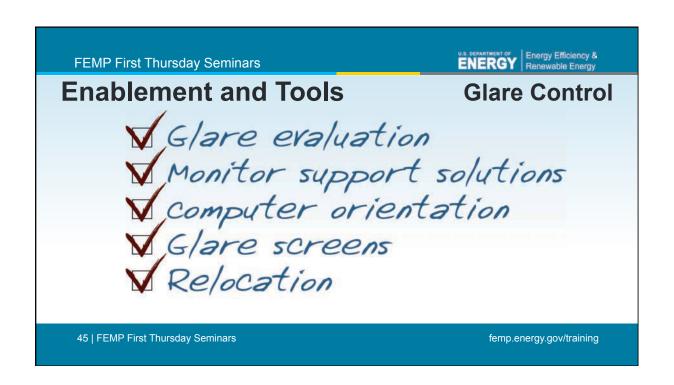


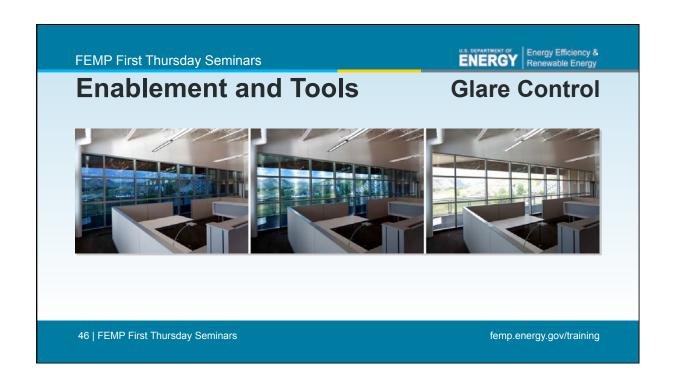




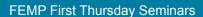












ENERGY Energy Efficiency & Renewable Energy

Building Automation

Systems

Enablement and Tools

Be Proactive - Not Reactive

Calibrate / enhance building controls

Adjust operating schedules / setbacks

Observing, documenting and assessing trends

Understanding equipment synergies

Follow ASHRAE standards

Lead occupants towards acceptance

48 | FEMP First Thursday Seminars



Enablement and Tools

Recognition

Express individual or team is valued as employees

Rewards: Visibility in organizations communications

Facilitate peer to peer recognition

Non-monetary incentives

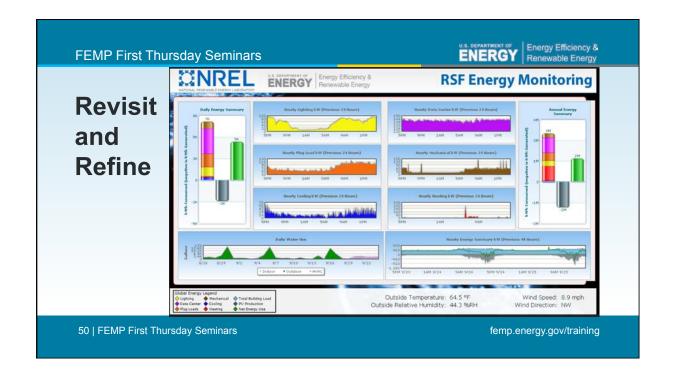
Amenity funded celebrations

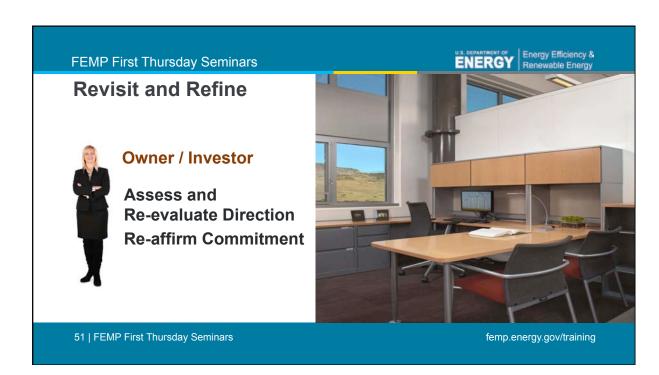
Empowerment

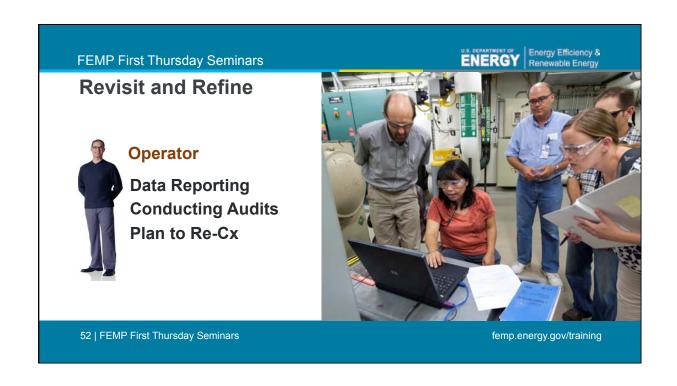
Nurture self esteem

Increased responsibility

49 | FEMP First Thursday Seminars





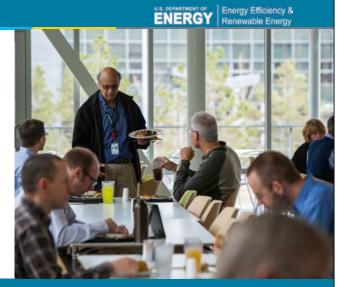


Revisit and Refine



Occupant

Adopt New Behaviors
Continuous Feedback
Modifications



53 | FEMP First Thursday Seminars

femp.energy.gov/training

FEMP First Thursday Seminars

ENERGY Energy Efficiency & Renewable Energy

Revisit and Refine

Re-Commissioning

Does the building operate as intended and are operational needs being met?

Benefits: Average 15% energy savings with rapid payback

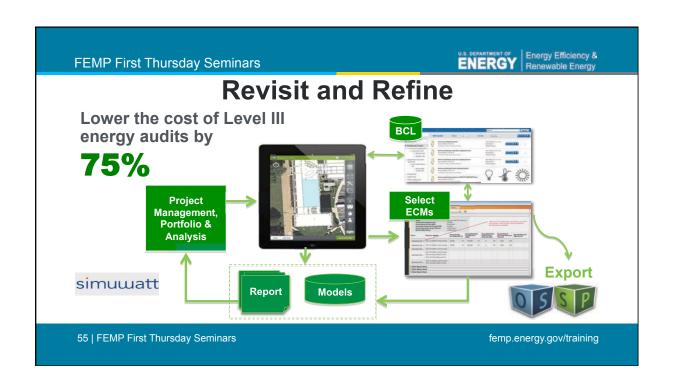
Increased occupant comfort and productivity

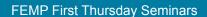
Process: Assess design versus current operations

Perform gap analysis Prioritize actions Train your staff

Implement continuous commissioning

54 | FEMP First Thursday Seminars







Revisit and Refine

Integrated Project Team

Representation from the critical three stakeholder groups

Collaborative forum of multi-disciplined professionals

Multiple sustainability champions

Coordinated efforts for successful project strategy and outcomes

Adhere to compliance in implementing Guiding Principles

56 | FEMP First Thursday Seminars

