

Project Management – Professional Development Series

Facilities Engineering Minute: Code Compliance

May 14, 2019

Today's Agenda

- **Introduction:**
- **Professional Development:**
 - “Understanding & Improving Cornell Construction Cost Structure”
- **Project Management - Tool Kit:**
 - FE Minute: Code Compliance
 - eBuilder Power User Series –
 - Reporting Initiative
 - Scheduling Series –
 - Project Administration & Development
 - Construction Schedules



MAY 14, 2019
8:30 – 10:30 AM
PROJECT MANAGEMENT PROFESSIONAL DEVELOPMENT

8:30 – 9:00 Networking
 9:00 – 9:30 Facilities and Campus Services Initiatives – “Cornell Cost Factor”
 9:30 – 10:30 eBuilder Tips / FE Minute – eBuilder Power User – Reporting Scheduling Module Session 2 - “Tools of the Trade”

 **Cornell University**
 Facilities and Campus Services
 Engineering and Project Management

PMPD Webpage:
<https://fcs.cornell.edu/content/project-management-professional-development-series>

Facilities & Campus Services

“Cornell Cost Factor”

Presenters:
Rick Burgess, PE, CME
Vice President
 Facilities & Campus Services

eBuilder Power User Series

“Reporting”

Presenters:
Donna Sutliff & Andrew Germain
Engineering & Project Management

Project Management Scheduling Series

“Tools of the Trade”

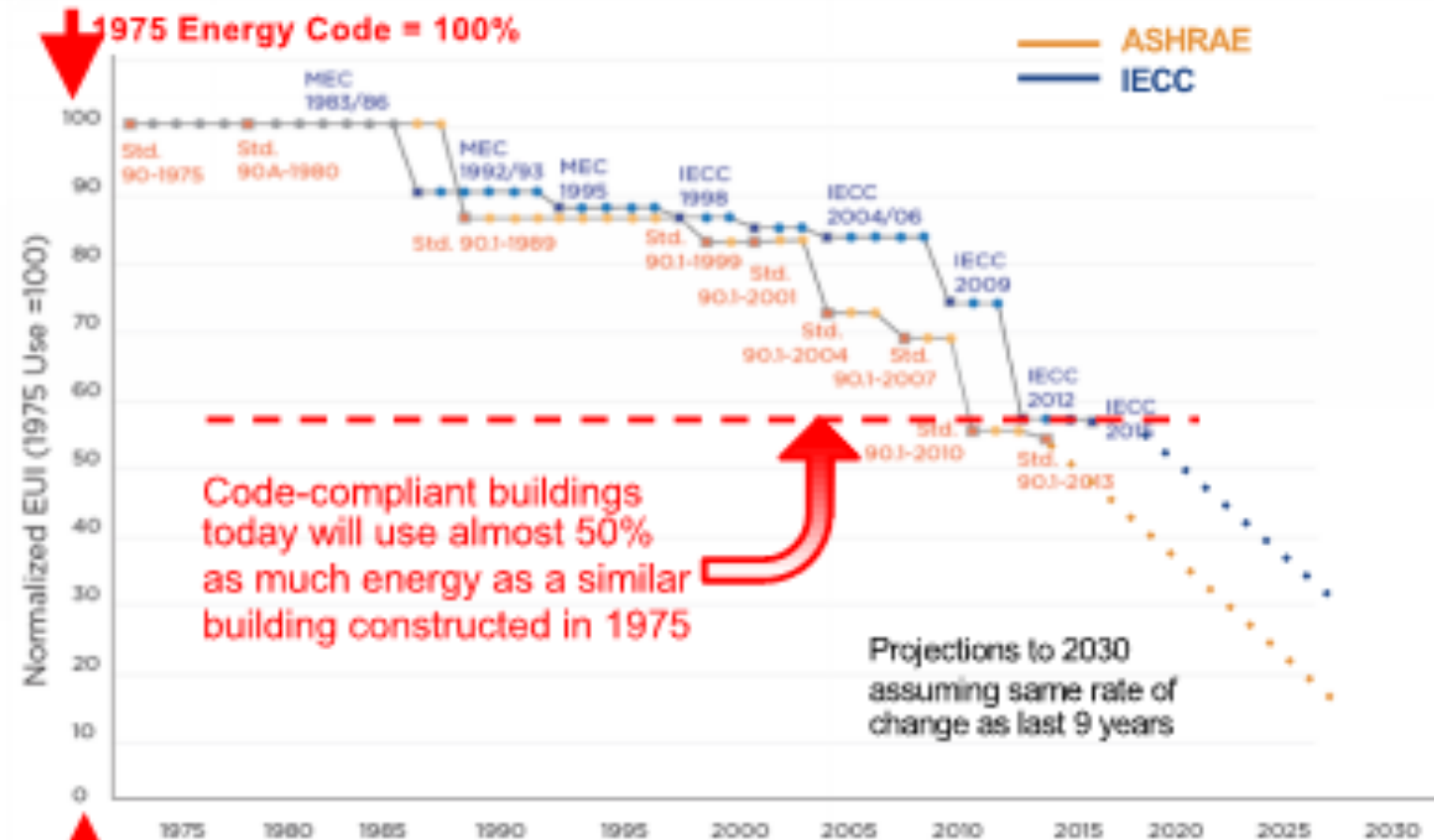
Presenters:
Ram VenKat, Gregg Crossett & Alex Chevallard
Engineering & Project Management

Biotechnology Building, G10

Sharing of Content: *(Cornell Net ID Required)*

- <https://fcs.cornell.edu/content/project-management-professional-development-series>

Today's Code Allows Only a Small Portion of Energy Allowable in 1975



Net Zero Building (Produces energy equal to the amount it uses over a year)

Takeaways from Energy Code Training...

- Most permit drawing sets do **not** currently meet all Code Requirements (Code Compliance documentation)
- Most designers lack energy modeling skills; many models prove inaccurate
- There are “prescriptive” compliance paths and “modeled energy” paths. Projects that doesn’t comply with prescriptive limits (like low window/wall ratio) must show low overall energy use through a model
- Cornell Standards (30% less than modeled baseline) are more aggressive than current Code (15% less)... but Codes keep “ratcheting down”; local codes (IGBC) proposed will be even tougher!
- Statewide compliance is poor but the State is actively training Code Enforcement officers to improve compliance
 - Cornell is in a better shape than most due to our Standards
 - NYC is currently “setting the standards in the State”
- Code Enforcement Officer CANNOT legally “waive” Energy Code.