



# *Commercial Code Evaluation*

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# *Codes Seek to Influence Current Practice*

- ...in order to reduce energy use over time.

Evaluation approach moves beyond a prescriptive compliance verification to reflect code program goals and energy savings.



# ***Current Practice & Energy Use Must be at the Heart of Code Evaluation***

- Codes influence building characteristics
- Characteristics define energy use
- Energy use is a gage of code progress over time
- Benchmarking and code compliance need the same core data:
  - » Characteristics
  - » Energy use

# *Approach Delivers Wide Spectrum of Value*

- ✓ Benchmark new construction EUIs
- ✓ Benchmark new construction practices
- ✓ Connect characteristics and energy use
- ✓ Identify major compliance gaps
- ✓ Inform commercial code and program development
- ✓ Inform enforcement efforts
- ✓ Update commercial new construction baseline data

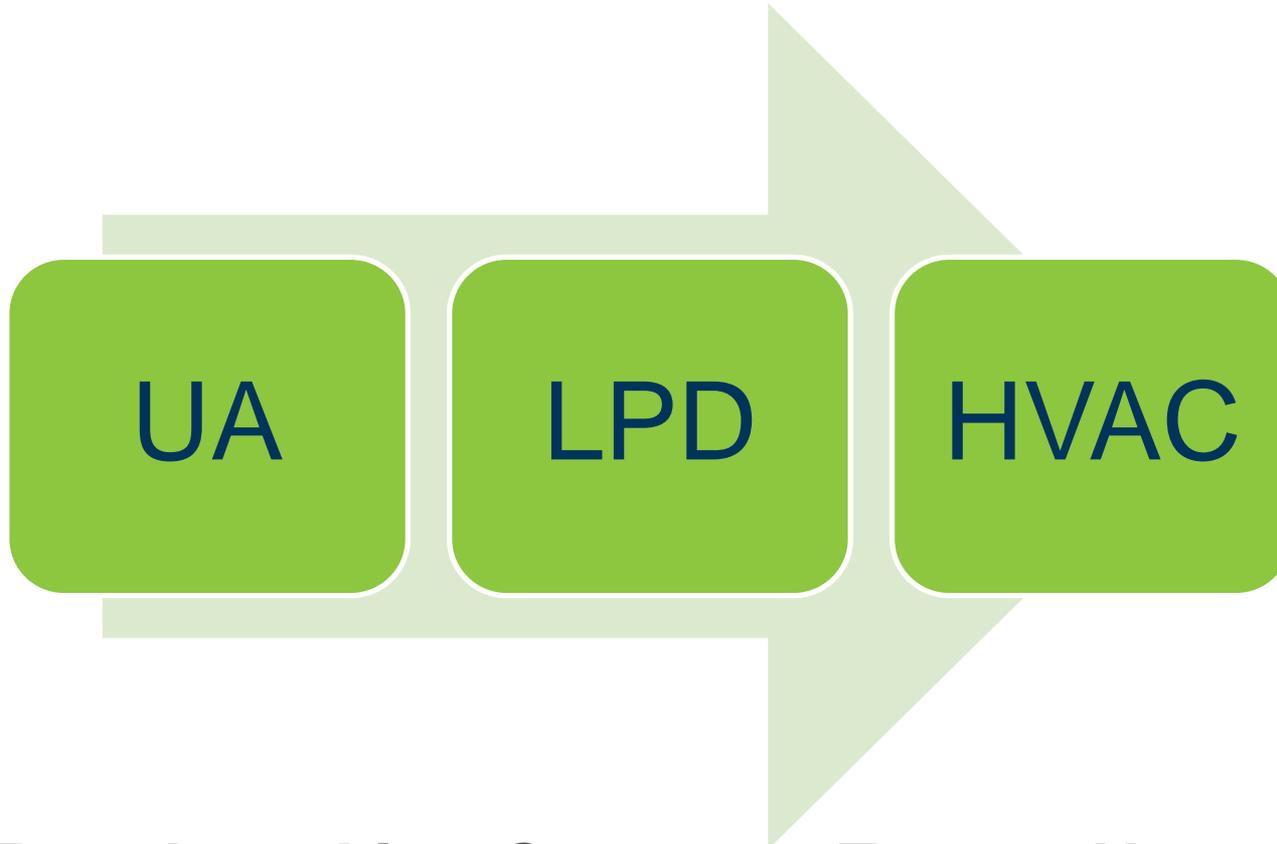
# *Code Evaluation Methodology*



# ***Focus on “High Value” Aspects of Each Major System***

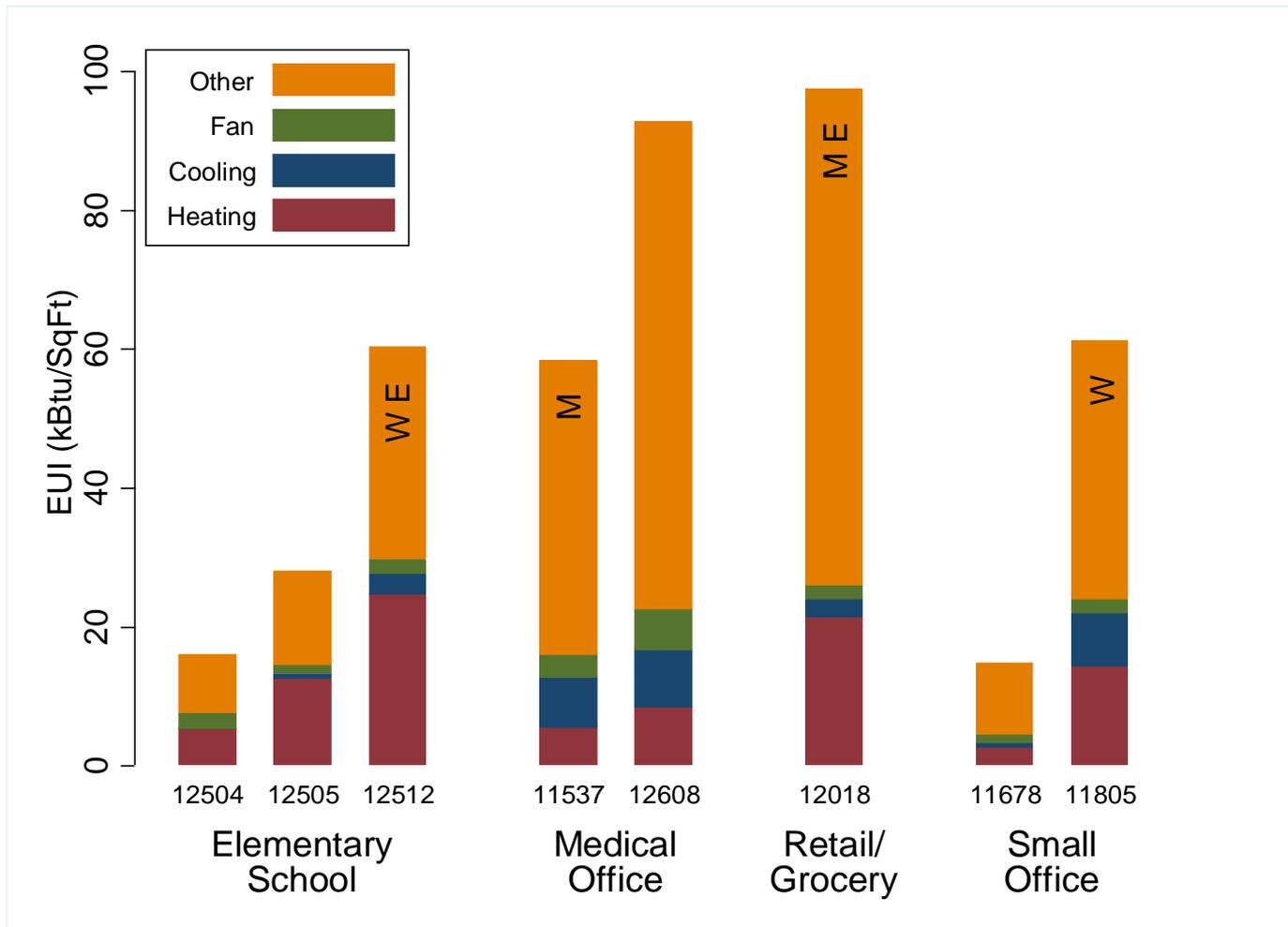
- Envelope: overall UA based on individual component UAs
- Mechanical: equipment efficiency, economizer, heat recovery, controls
- Lighting: interior LPD, exterior lighting power, controls
- Service water: equipment efficiency, pump scheduling, pipe insulation

# *Making the Connection*

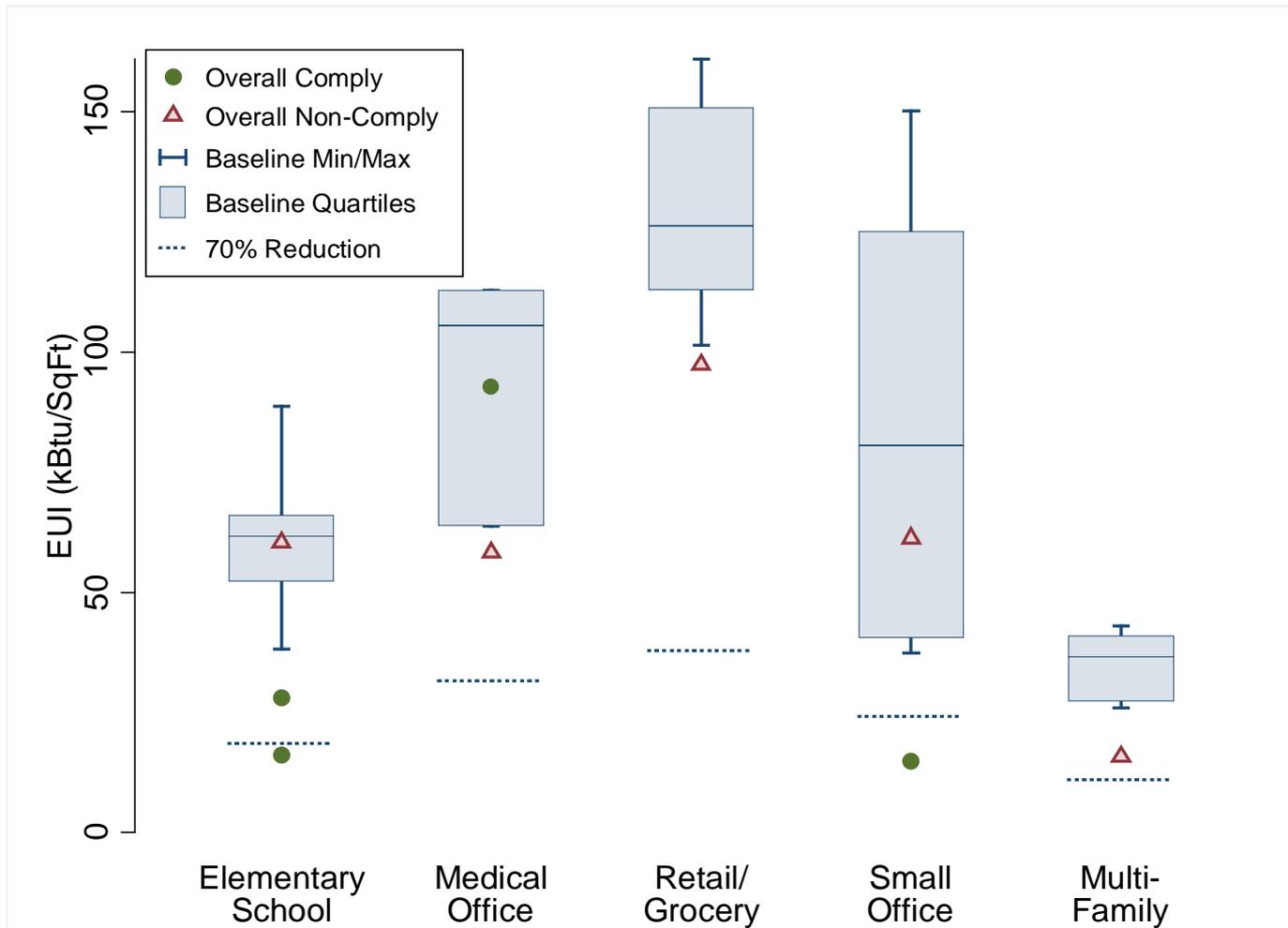


- **EUI Benchmarking Connects Energy Use with Characteristics & Code Compliance**

# Total EUI by End Use



# Tracking Progress Against State Energy Reduction Goals





***Thank You!***

***TOGETHER We Are Transforming the Northwest***

