

Buildings Program Needs/Opportunities

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Start with this List...

- RD&D
 - Better coordinated: Among sponsors (federal, state, international, private)
 - Better integrated: Across the RD&D spectrum (CBPs as example)
 - Programmatic not “projeclectic”
- Codes that drive market advances
 - “Future-proof”: Regret-avoiding, technology-ready
 - TOU-valued savings; load controllability as a goal
 - Outcome-based?? (Or improved acceptance testing?)
- Standards (and MT) for non-res. equipment
- Tenanted buildings (50% of stock)

Don't Stop with this List

- Finance
 - Consider demand for \$, not just supply
 - Link energy performance to market value
 - Appraisals both reflect & shape market value
 - Energy ratings: universal, standardized, valid, credible
- Workforce & bldg. delivery: Again, chicken-and-egg
- Incentives: Fix the commercial tax deduction
 - Encourage whole-building performance, but...
 - Don't abandon prescriptive measures
- Public/institutional sector
 - Technology/practice leadership (tech-procurement)

Meta-Technology

All these changes will require:

- ⇒ New institutions
- ⇒ New relationships
- ⇒ New assumptions and conventions
- ⇒ Energy efficiency as the “Easy Rider”
(rarely the driver)