

# Nexus of Energy Use and Technology in the Buildings Sector



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*EIA Energy Conference*

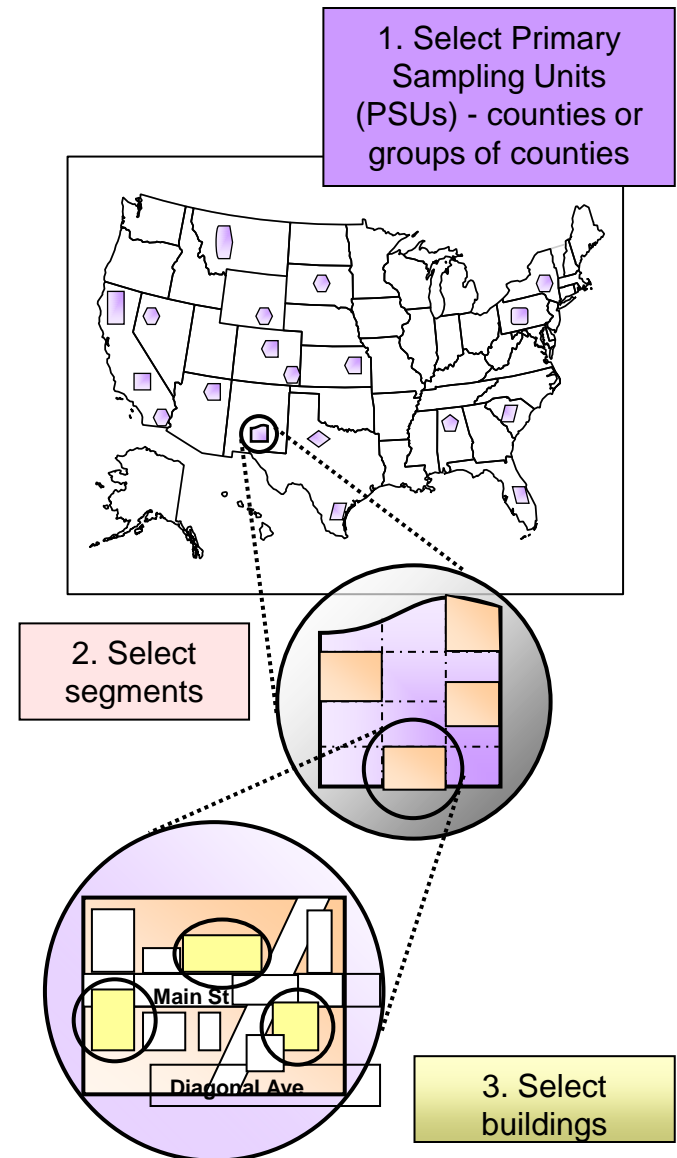
*July 15, 2014 | Washington, DC*

*Tom Leckey, EIA*

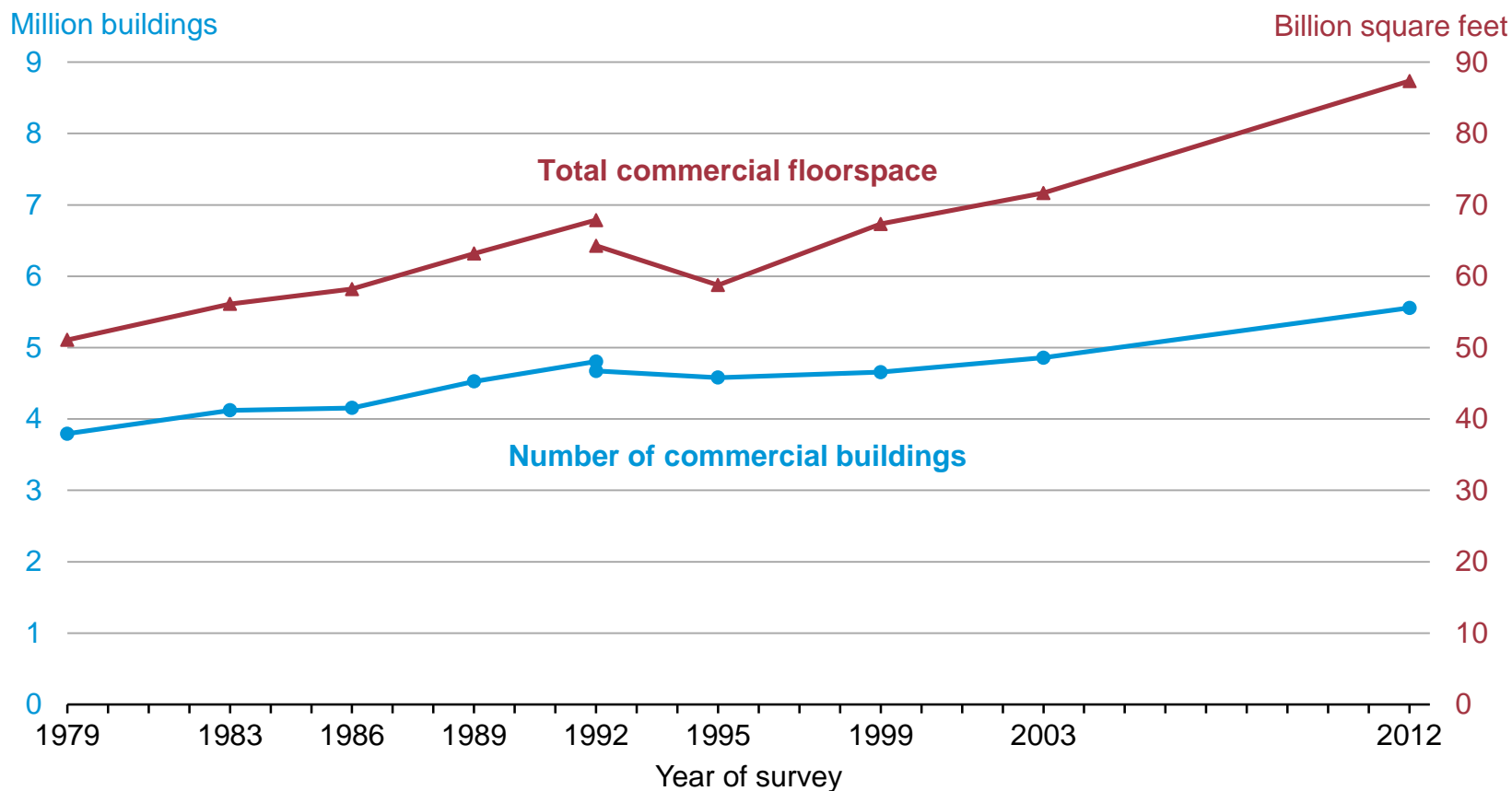
*Director, Office of Energy Consumption and Efficiency Statistics*

# How is CBECS Conducted?

- No comprehensive source of buildings exists
- Area frame
  - Randomly select small, geographic areas
  - Within them, list and stratify all commercial buildings in those areas
  - Randomly select buildings within strata
- List frames
  - Supplemental lists ensure adequate representation of special buildings (e.g., hospitals, government buildings, college/universities, airports, or other large buildings)
- Computer Assisted Personal Interview (CAPI); in 2012, data were collected from about 6,700 buildings
- Weighted to represent the population of commercial buildings in the U.S.



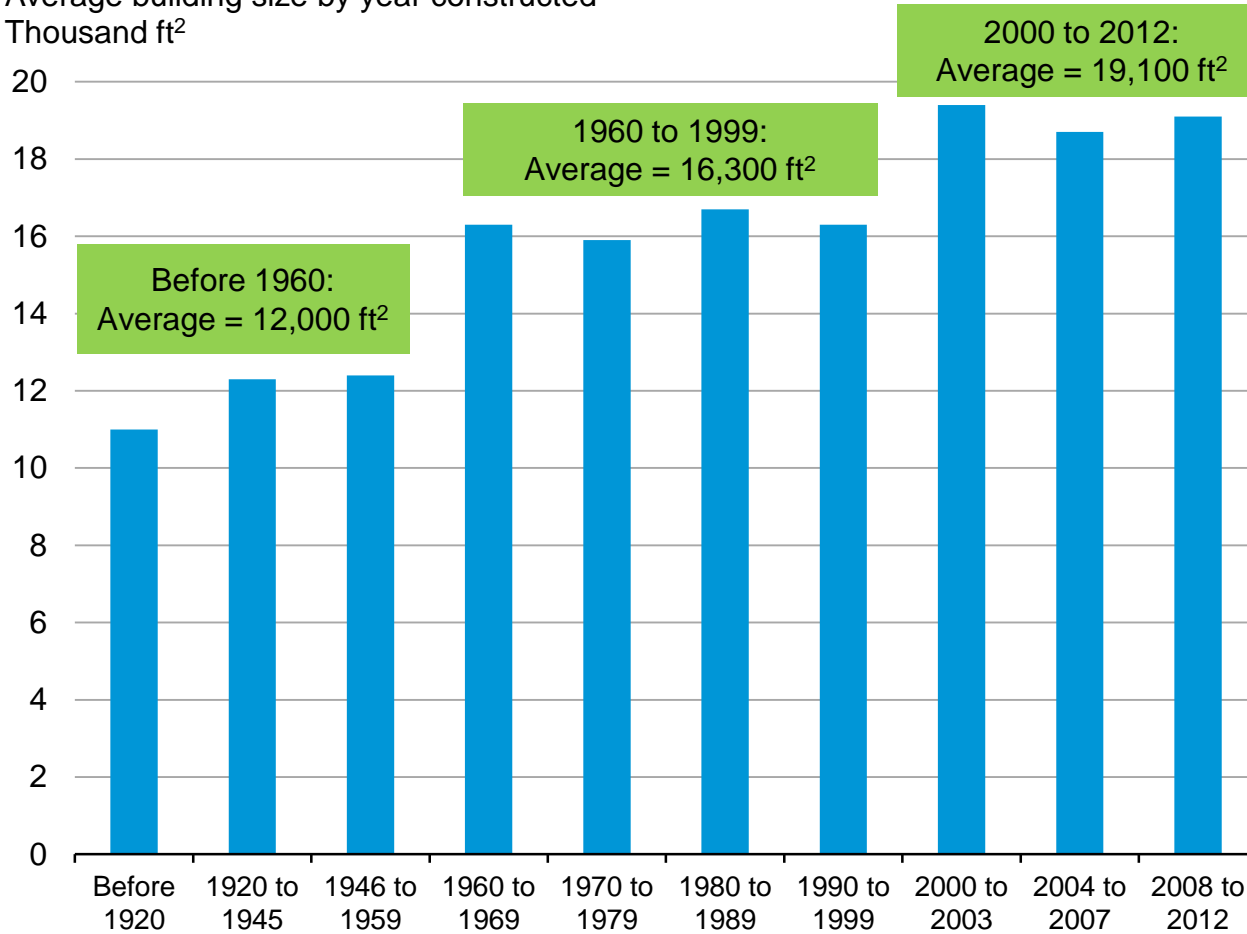
## 2012 CBECS preliminary results: in recent years, commercial floorspace has grown more rapidly than the number of buildings



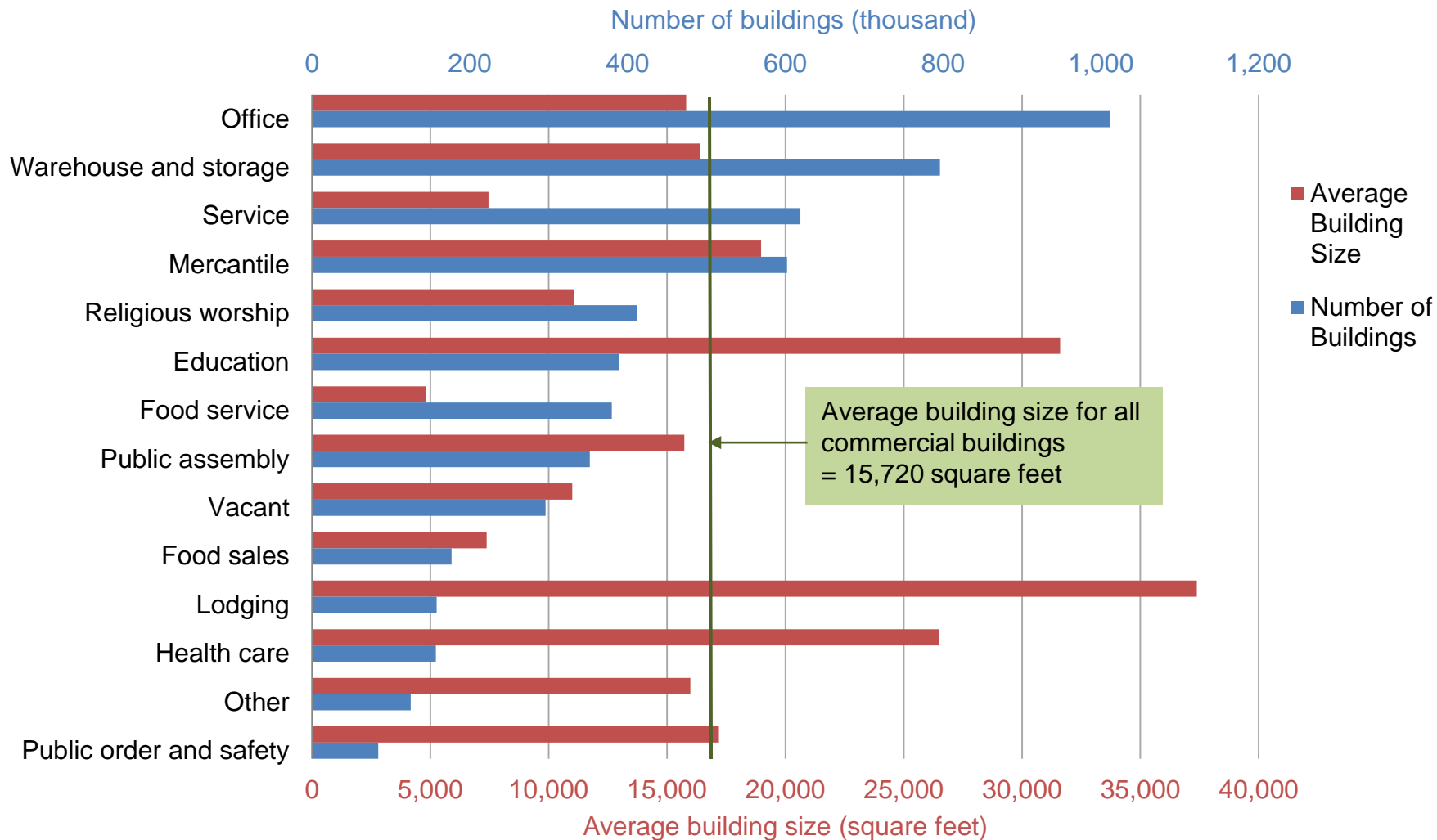
*Note: The lower 1992 estimates are adjusted to match the 1995-2012 CBECS definition of target population by removing enclosed parking garages and commercial buildings on manufacturing sites.*

# New commercial buildings are larger, on average, than old commercial buildings

Average building size by year constructed  
Thousand ft<sup>2</sup>



# The CBECS building population is diverse and smaller building types are the most common



# Our Panel Today

- Mr. Sam Brooks, Managing Director, ClearRock
- Mr. Brewster McCracken, President and CEO, Pecan Street, Inc.
- Dr. Sidhant Gupta, Microsoft Research