

Vermont  
**Energy Investment**  
Corporation

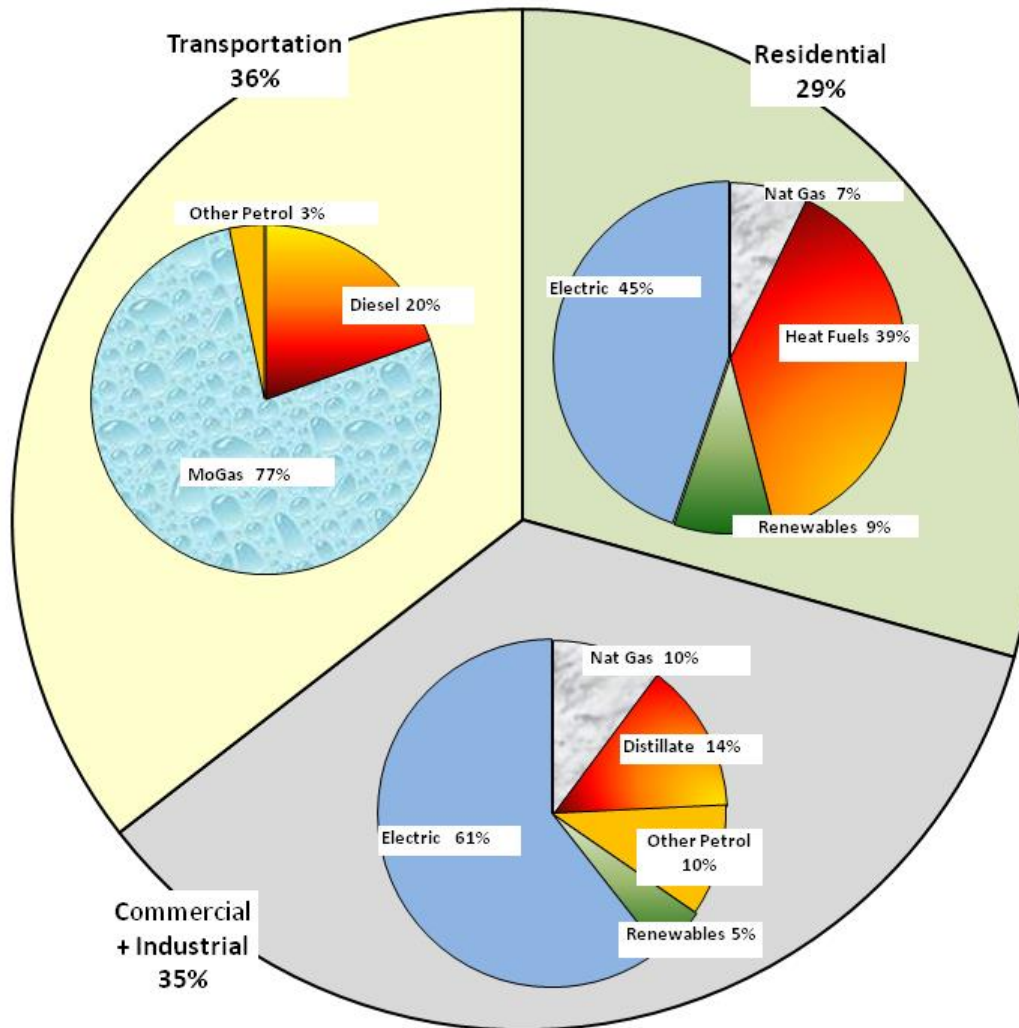
# Unlocking Vermont's Energy Challenges with Efficiency

ACEEE: Efficiency  
as a Resource

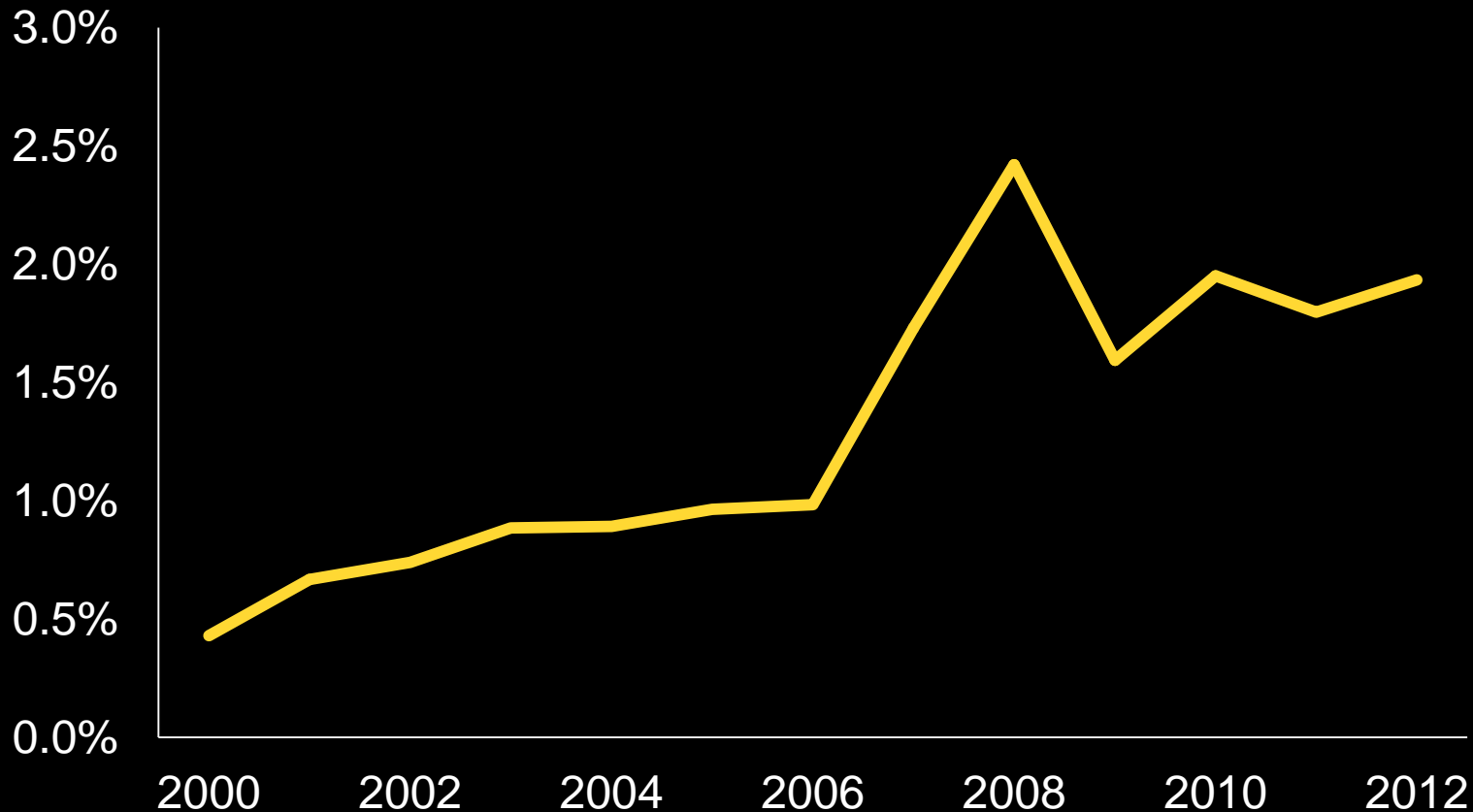
**Scott Johnstone**  
Executive Director  
VEIC



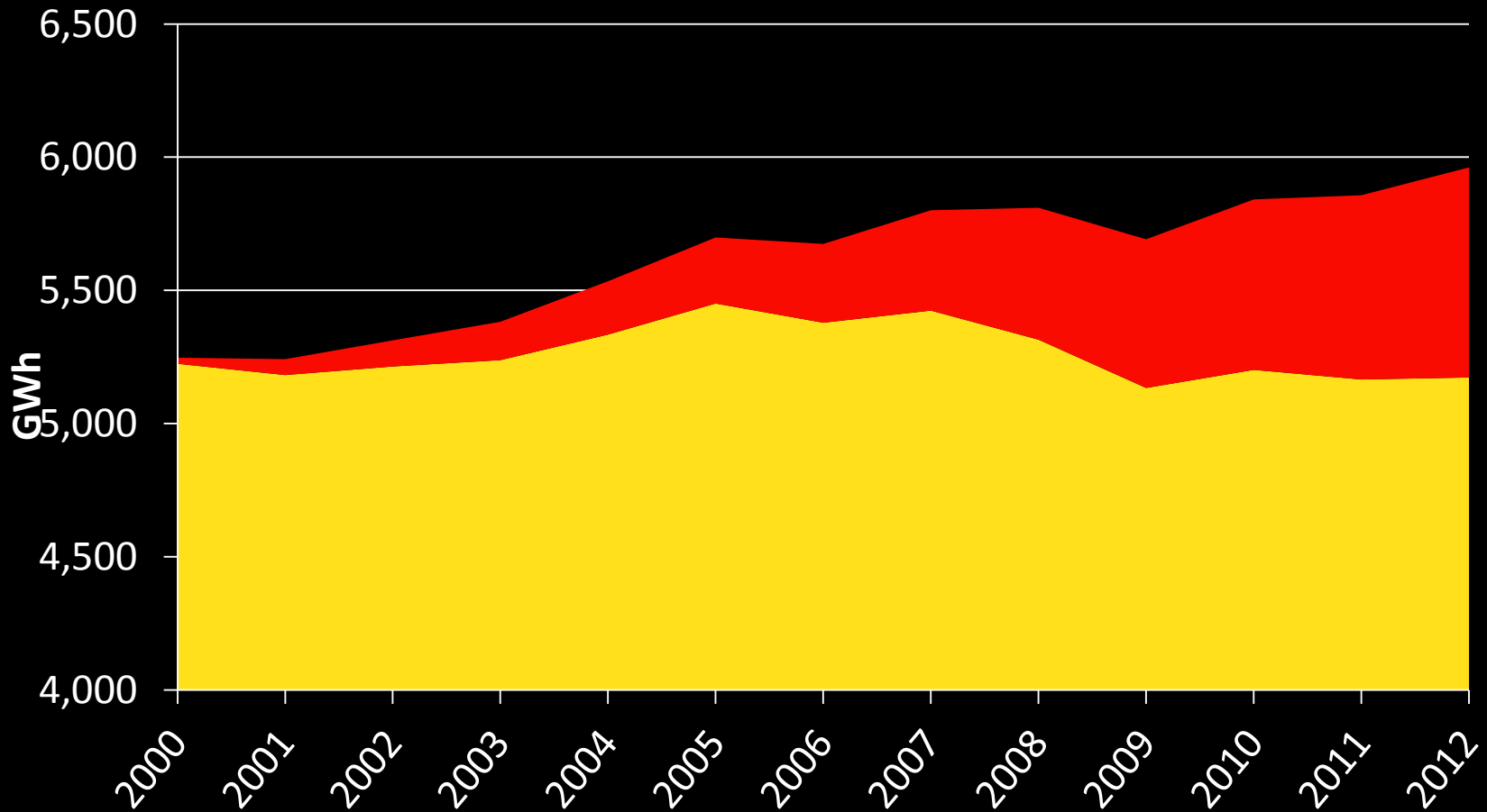
# Efficiency Vermont



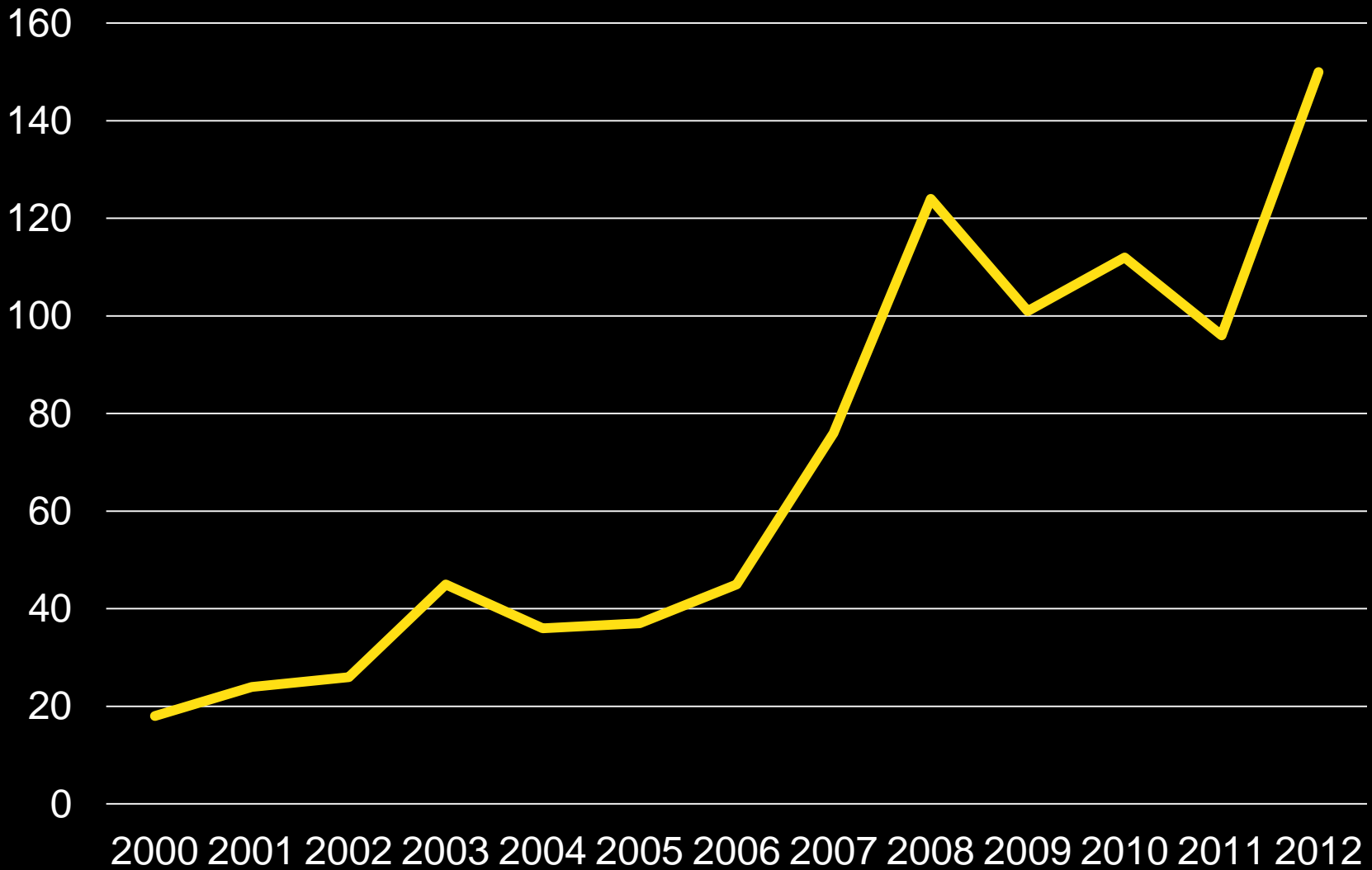
# Savings from Efficiency as a Percentage of Statewide Electric Resource Requirements



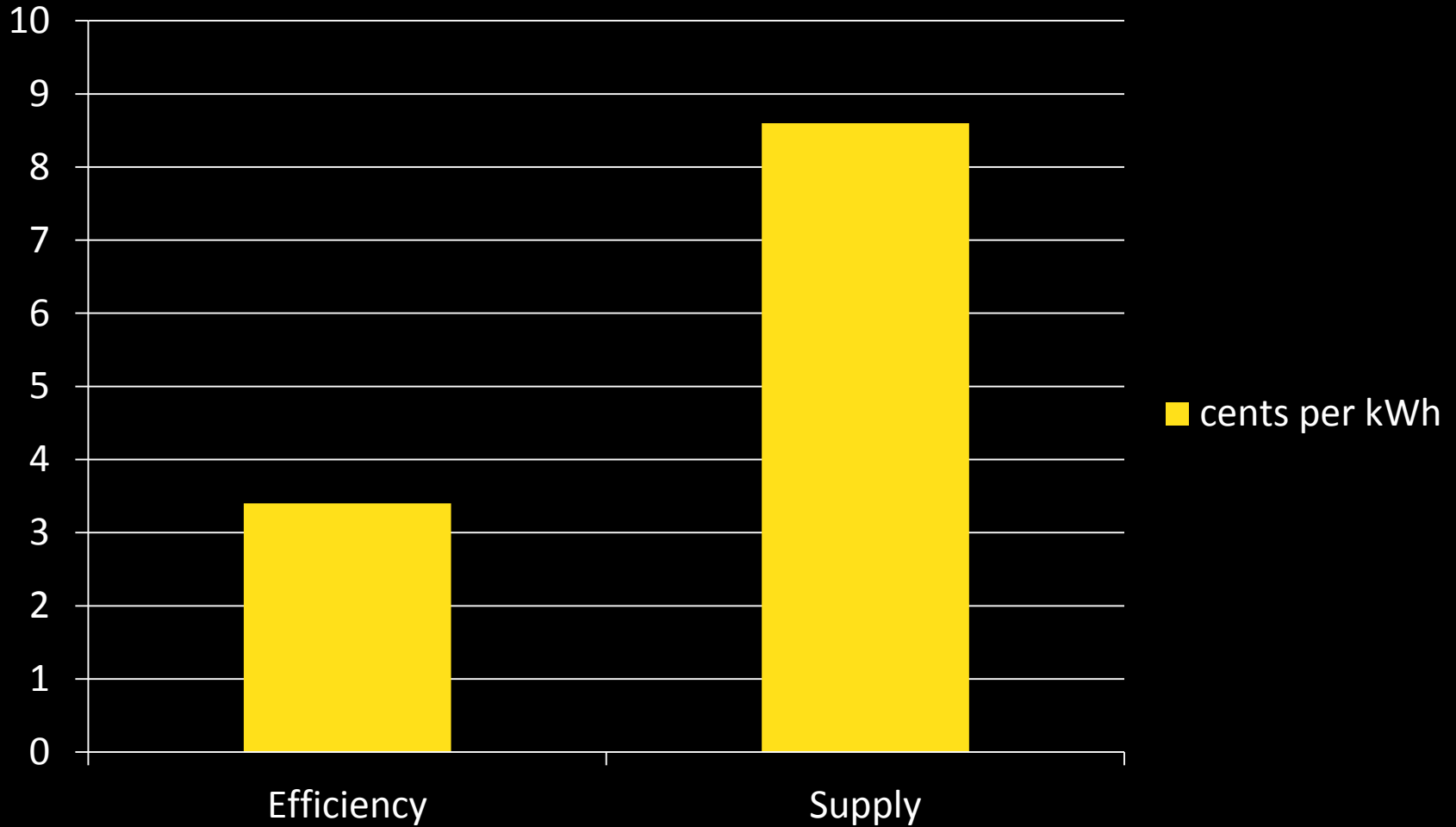
# Cumulative Impact of Efficiency on Growth in Annual Electrical Supply Requirements, 2000-2012



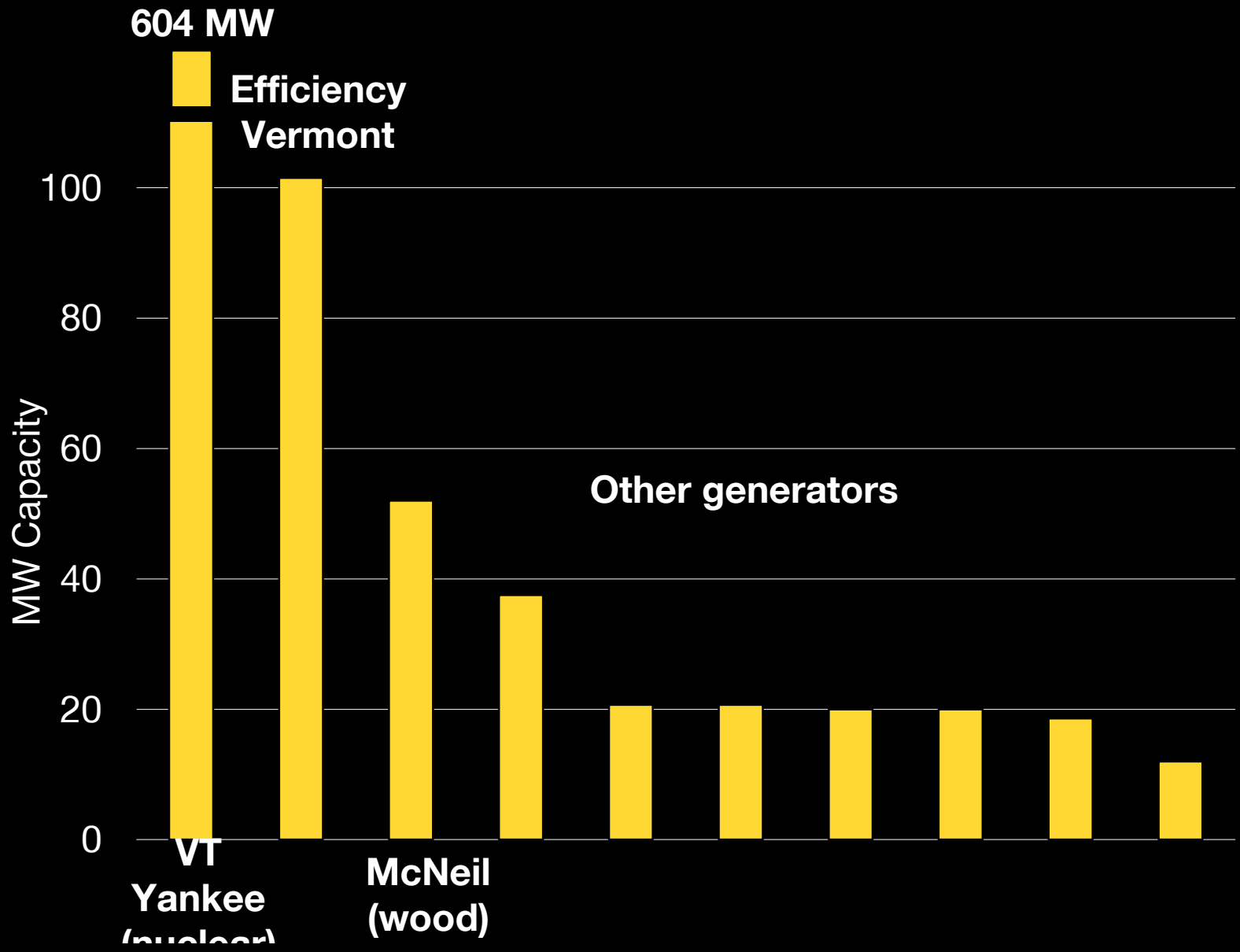
# Efficiency VT Total Resource Benefits (\$ millions)

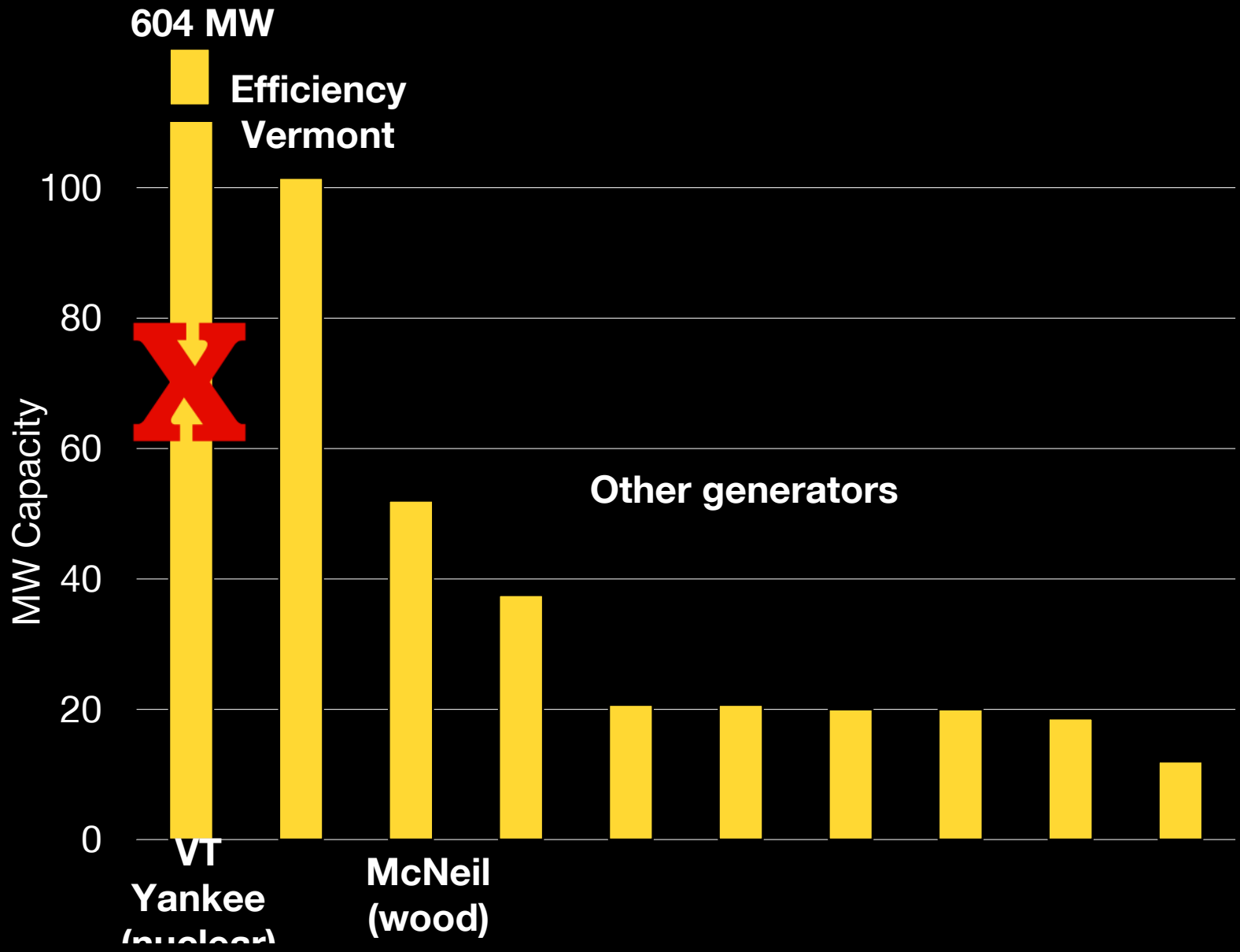


# Efficiency vs. Comparable Electric Supply







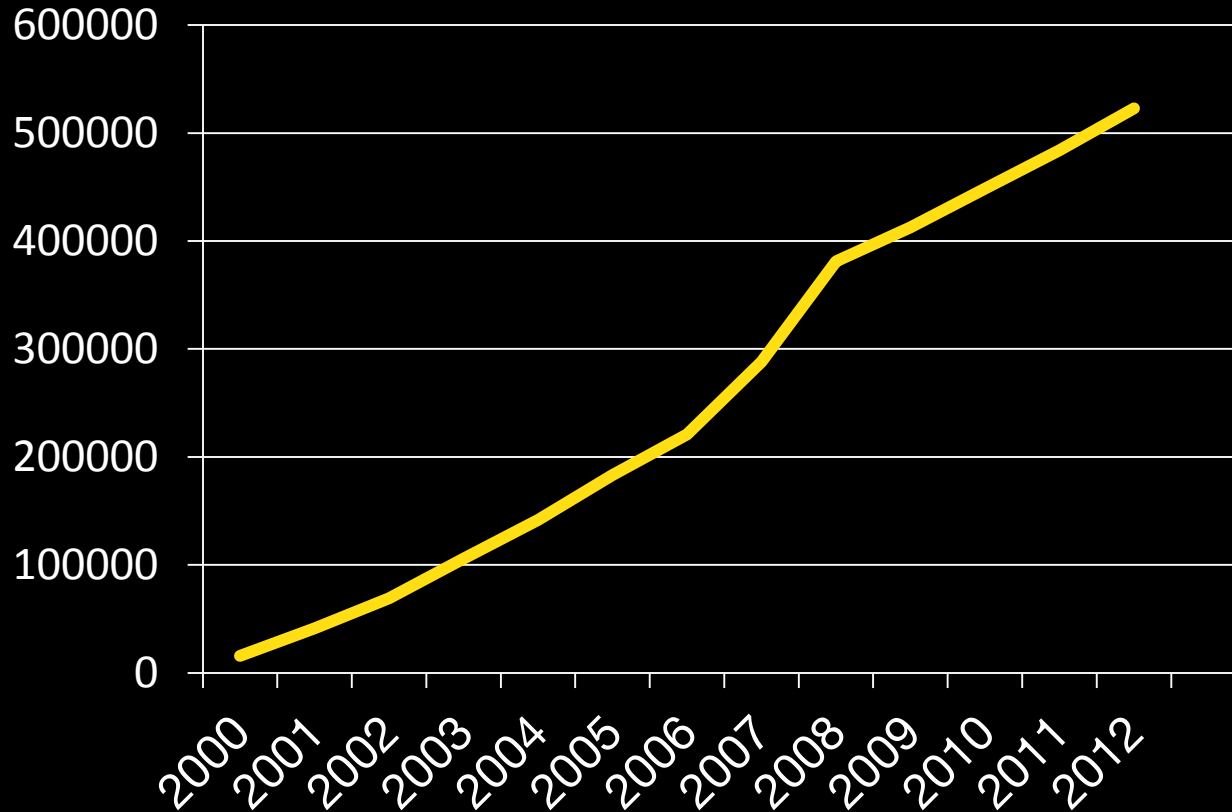


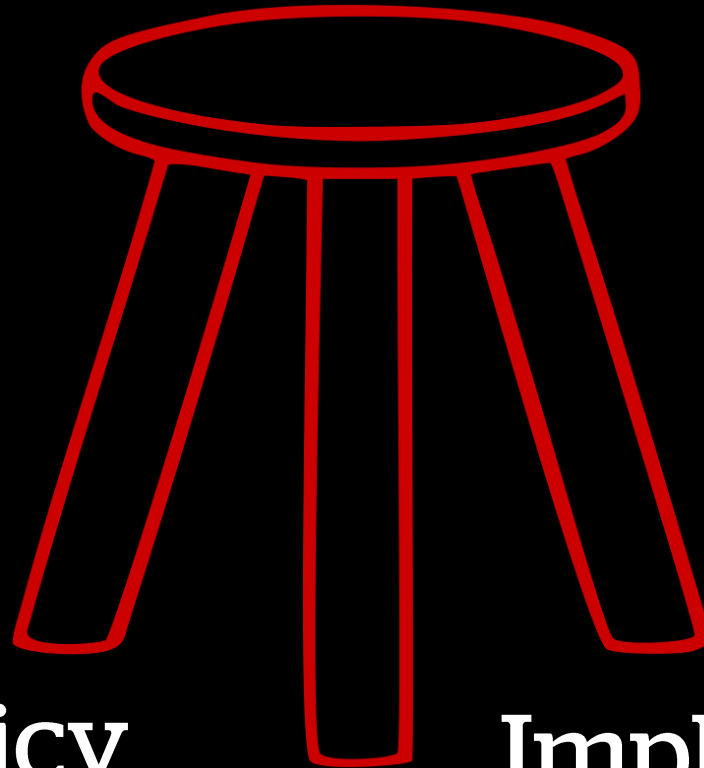
# Geographic targeted areas in northwestern Vermont



“...the continuing investment in energy efficiency in Vermont has deferred the need to construct an additional \$157 million in regional transmission upgrades”

# Efficiency VT Avoided Carbon (Tons)



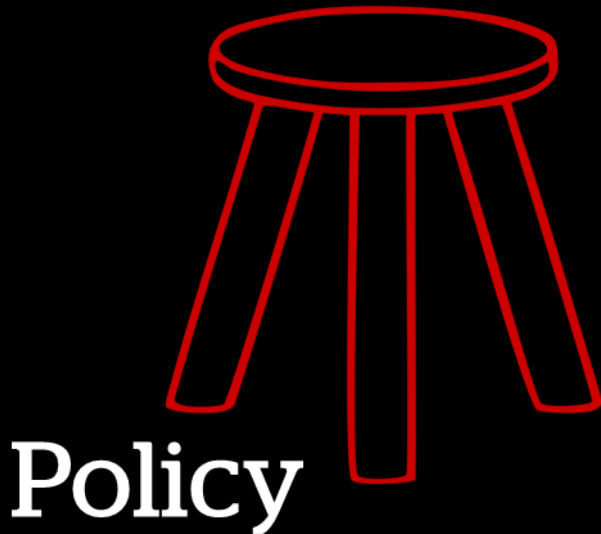


Policy

Implementation

Regulation





- Least-cost planning
- Comprehensive energy plan goals
- All cost-effective efficiency mandate
- Greenhouse gas reduction goals
- Building efficiency goals

**Then**

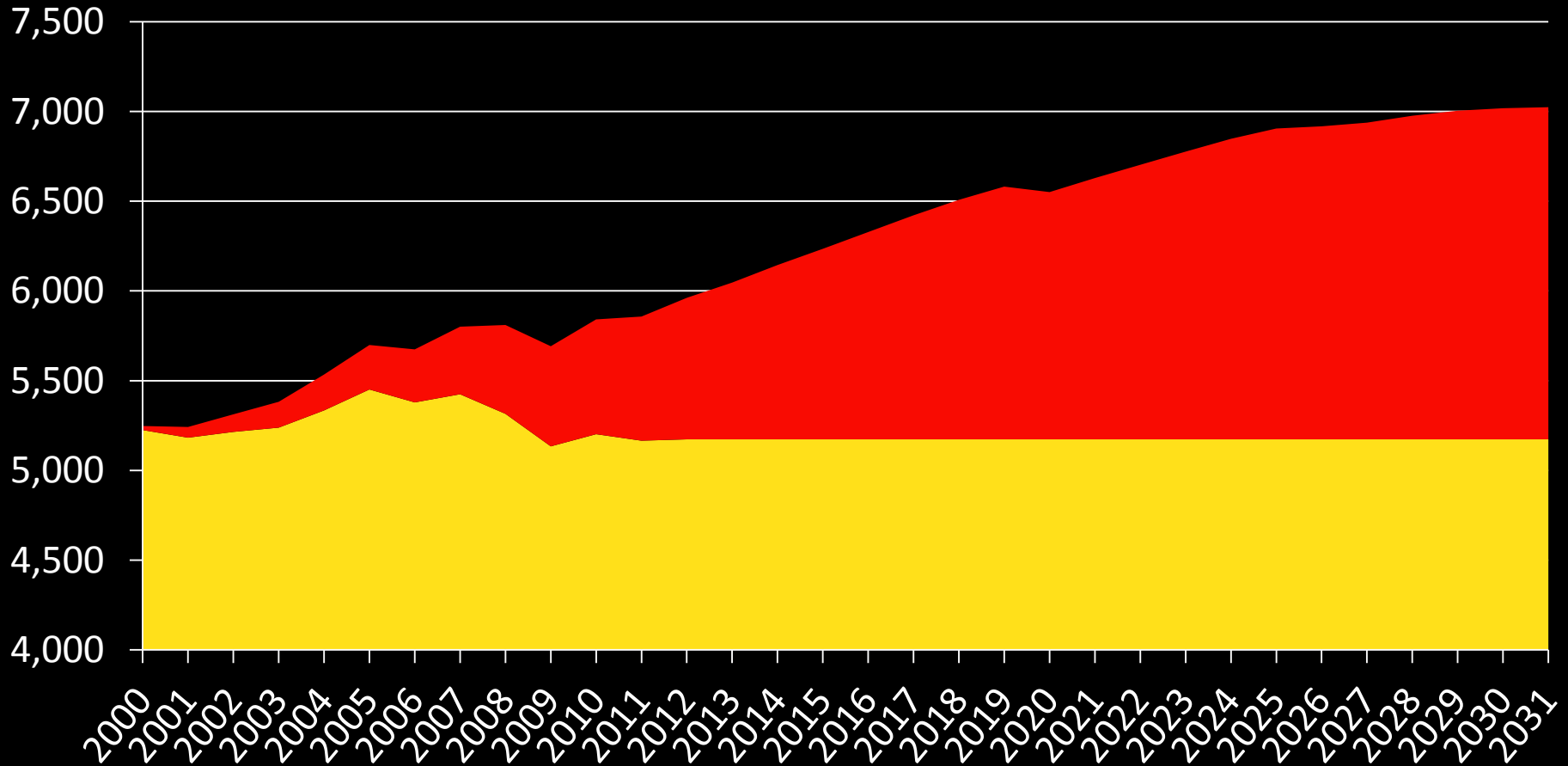


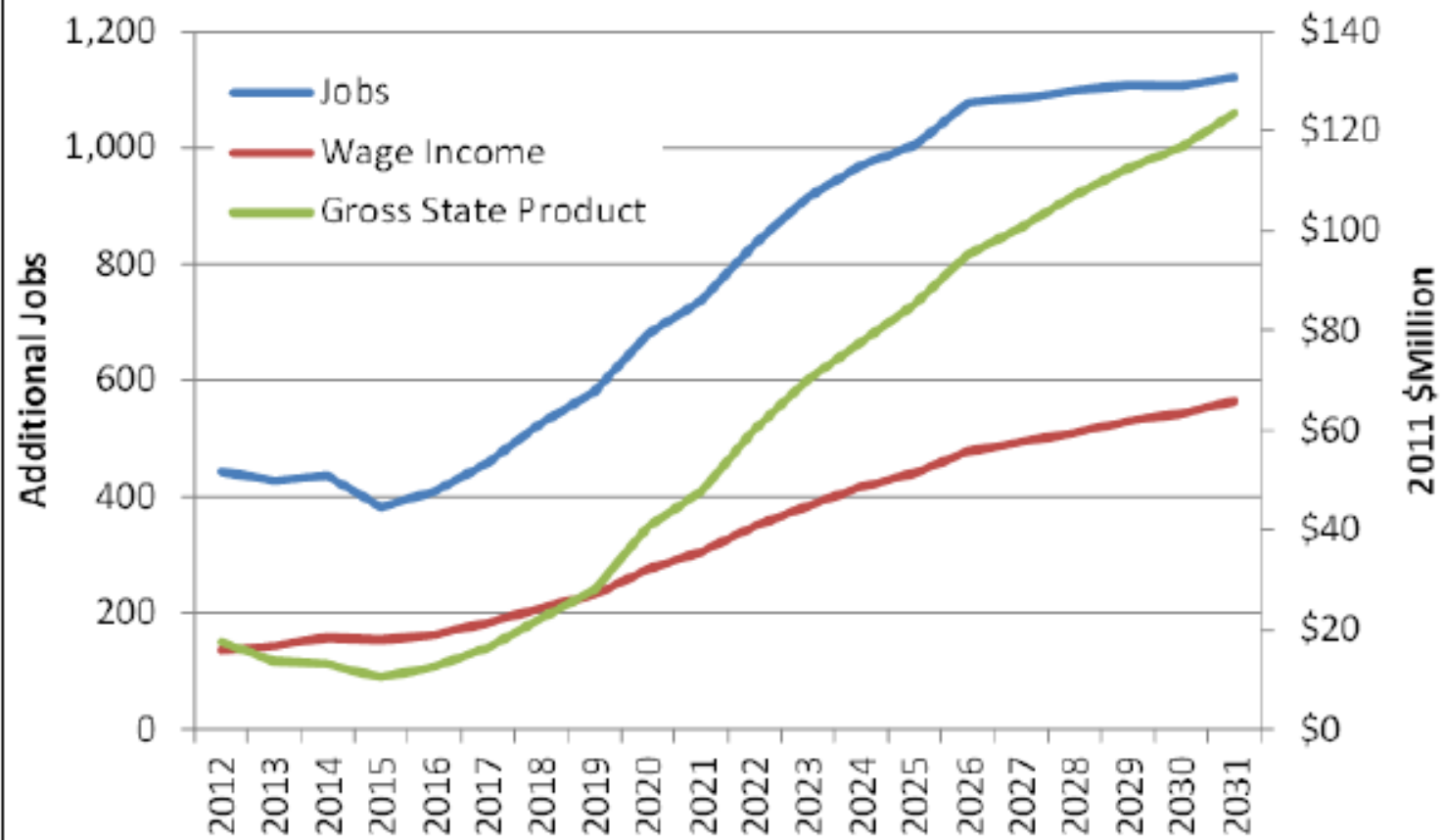
Now





# Cumulative Impact of Efficiency on Growth in Annual Electrical Supply Requirements, 2000-2031







- Going even deeper
- Strategic electrification
- “Total energy”
- Load shaping
- Distributed generation
- The utility of the future
- “Societies” needs
- Climate
- Energy Justice



**Thank You**