

# Proposition 39

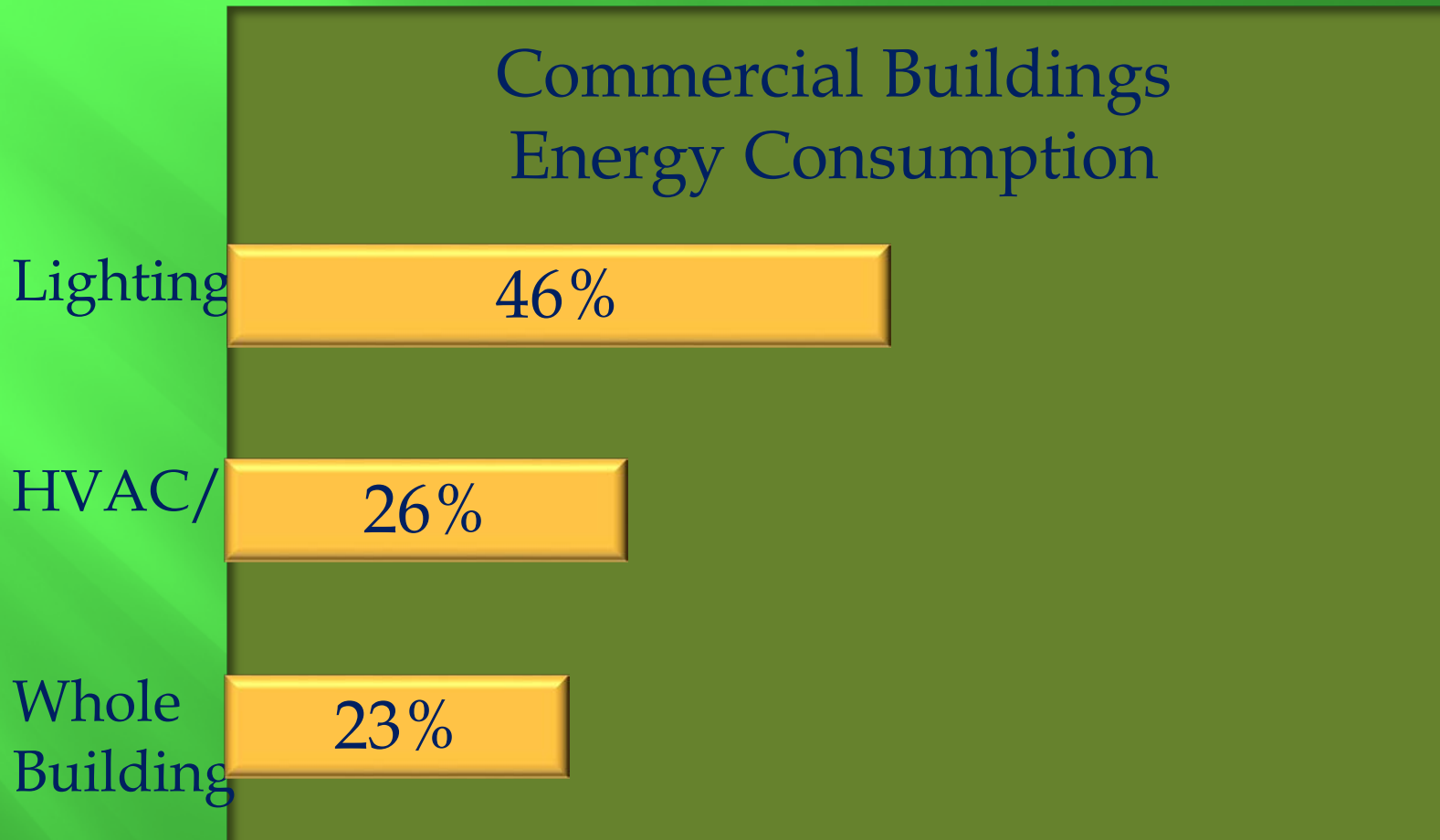
## Clean Energy Jobs Act

*Energy Efficiency as a  
Waste Reduction Strategy*  
August 28, 2015

# Energy Efficiency Sector

- ❑ Energy efficiency encompasses firms engaged in energy planning, installation, and management with the purpose of making new and existing buildings more energy efficient.
- ❑ Businesses seeking to reduce their energy consumption and costs.
- ❑ Service providers seeking to sell energy efficiency solutions.

# The Challenge



# Sector Strategy

- ❑ Building owners and managers need a workforce that can help them benefit from new technologies that mitigate rising energy costs and avoid state carbon penalties. Architects, engineers, and contractors need workforce upgrades to cost-effectively deploy more complex systems and to comply with the ever-tightening state energy efficiency code.

# Sector Strategy

New workforce competencies would help achieve the building owner's goals and grow the market for the energy efficiency services industry:

- A robust pipeline of new workers to offset retirees and attrition.
- Greater workforce skills for cost-effectively managing new system complexity.
- Improved compliance with the state's energy efficiency code.
- New competencies in data analysis and system-level building performance management.
- Vertical or "stacked" credential programs that enable continuous development.

# Sector Strategy

- ❑ Lighting Controls - California Advanced Lighting Controls Training Program (CALCTP)
- ❑ HVAC - High Performance Building Operations Professional
- ❑ Title 24 - 2013 Building Code
  - Statewide Curriculum Update
  - HVAC Contractor Training
- ❑ Expand IOU Programs to Postsecondary
- ❑ Deliver through Prop 39 Regional “Expert Networks”

# Collaborative Programs

- PGE
  - Energy Efficiency
  - Integrated Demand-side Management
- UC Davis Professional Development
- Title 24 Training



# On The Drawing Board

- 2015-16 Planned Programs
  - ✓ Title 24 HVAC Contractor Certification
  - ✓ New HVAC Certification Structure
  - ✓ Networking/Digital Controls/Analytics Program
  - ✓ Energy Efficiency Literacy for Technicians



# Industry Input

- ❑ What knowledge / skills do your workers need to improve the energy efficiency of your business?
- ❑ What job titles are tasked with minimizing energy usage and costs?

# Questions

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