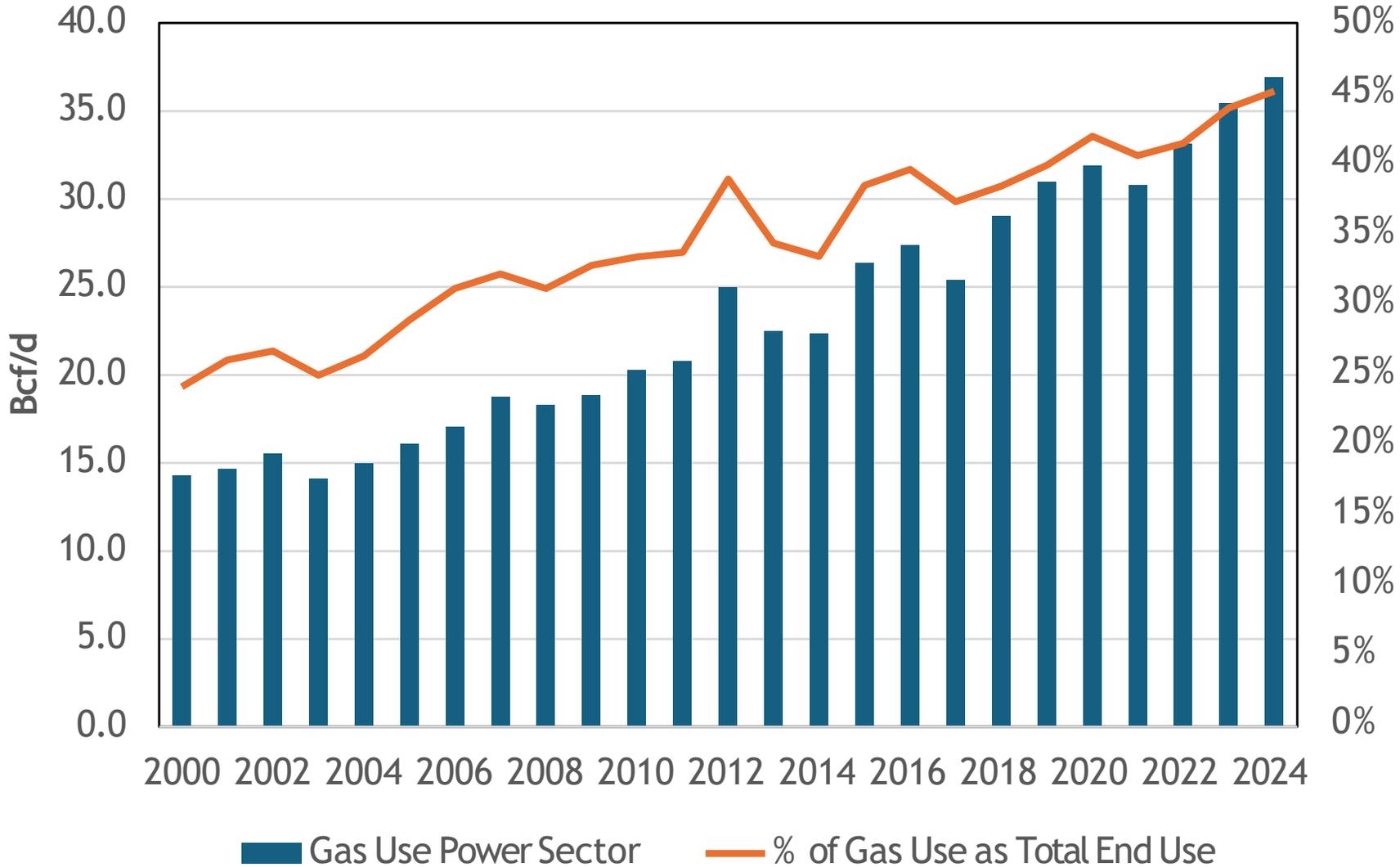


# Gas Power in the US

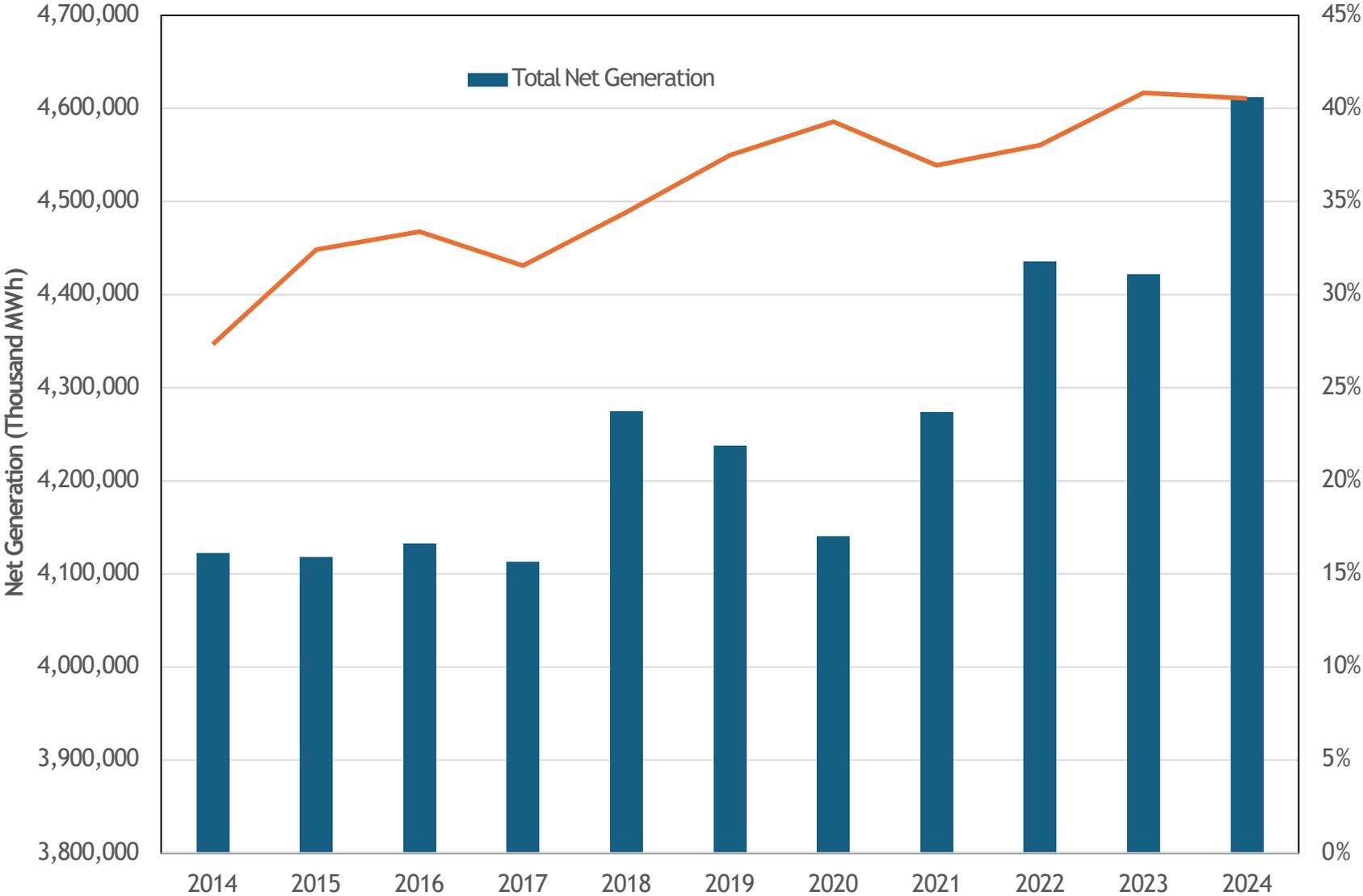
Prepared for RBAC User Conference  
Conference

November 20, 2025

# Natural Gas as Power Fuel

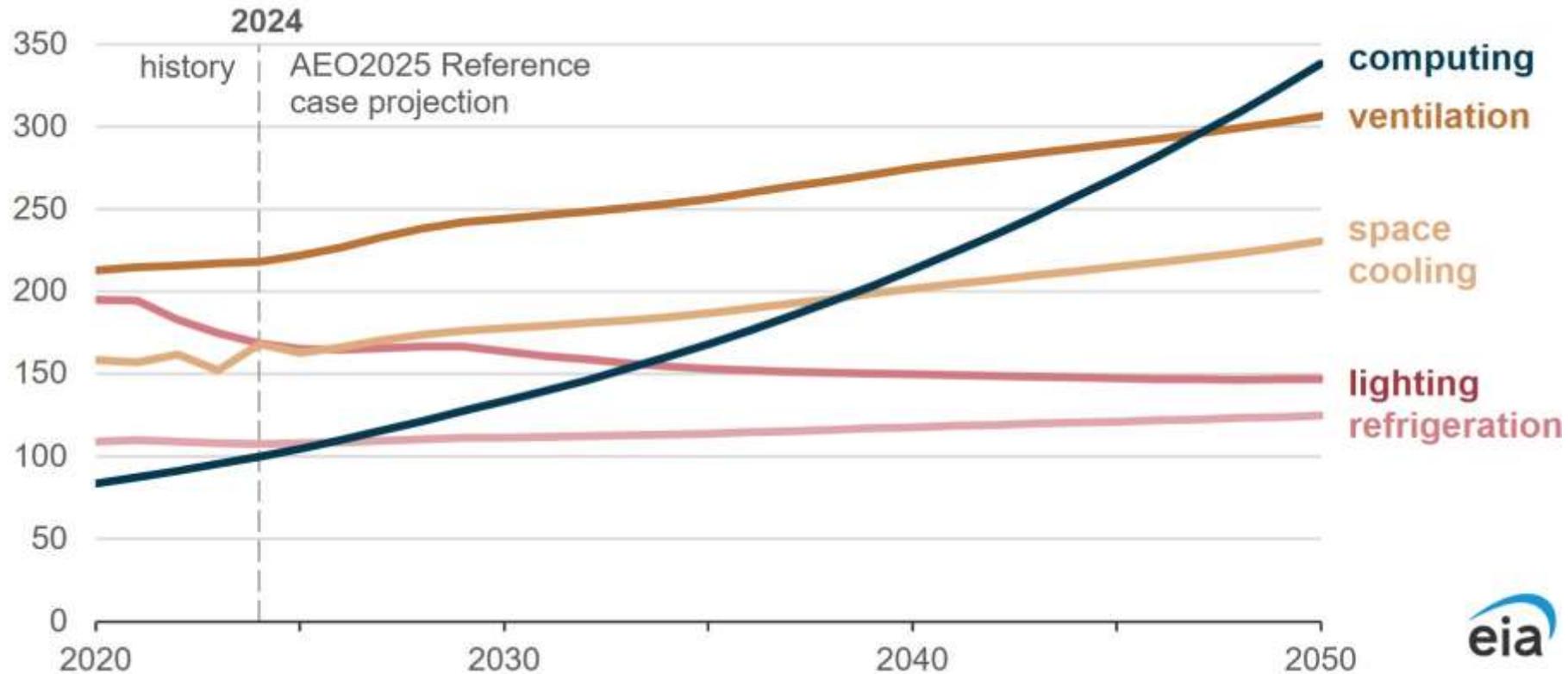


# Electric Load and Generation by Fuel



# EIA Projected Electricity Consumption Trend

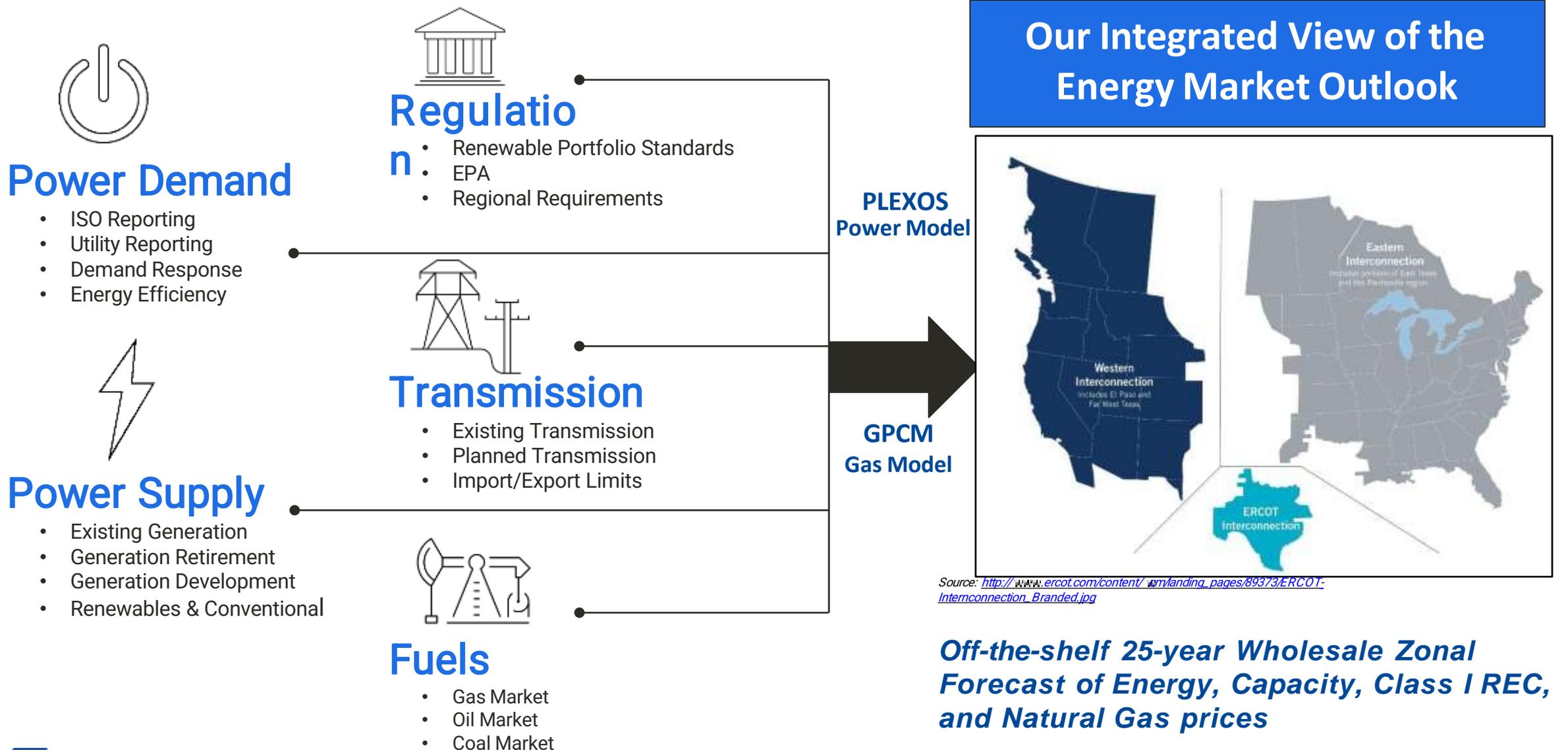
**Electricity consumption of selected end uses in the U.S. commercial sector (2020–2050)**  
billion kilowatthours



**Data source:** U.S. Energy Information Administration, *Annual Energy Outlook 2025* Reference case  
**Data values:** Commercial Sector Key Indicators and Consumption

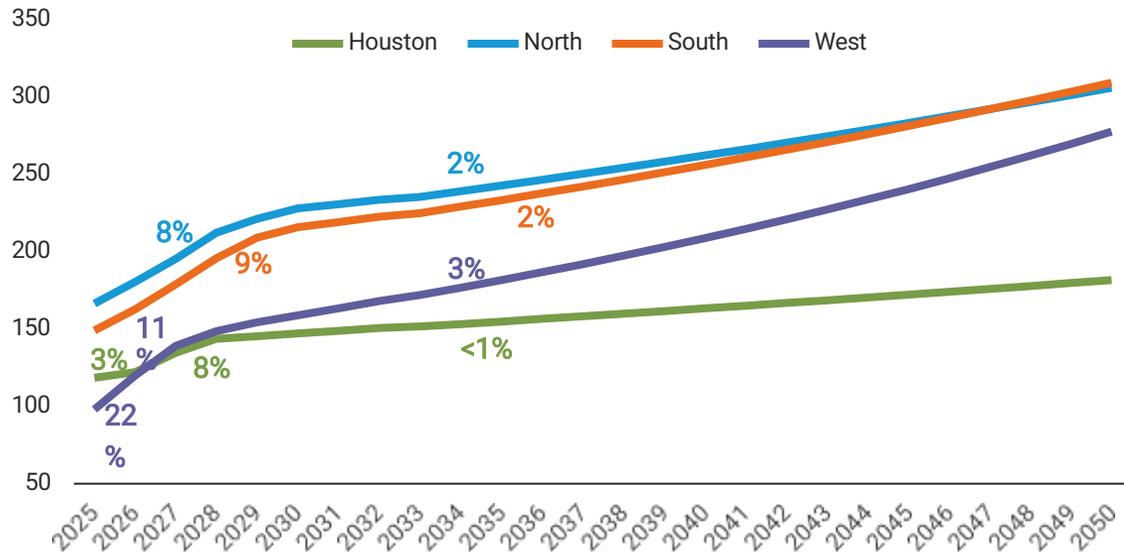


# Black & Veatch Energy Market Perspective

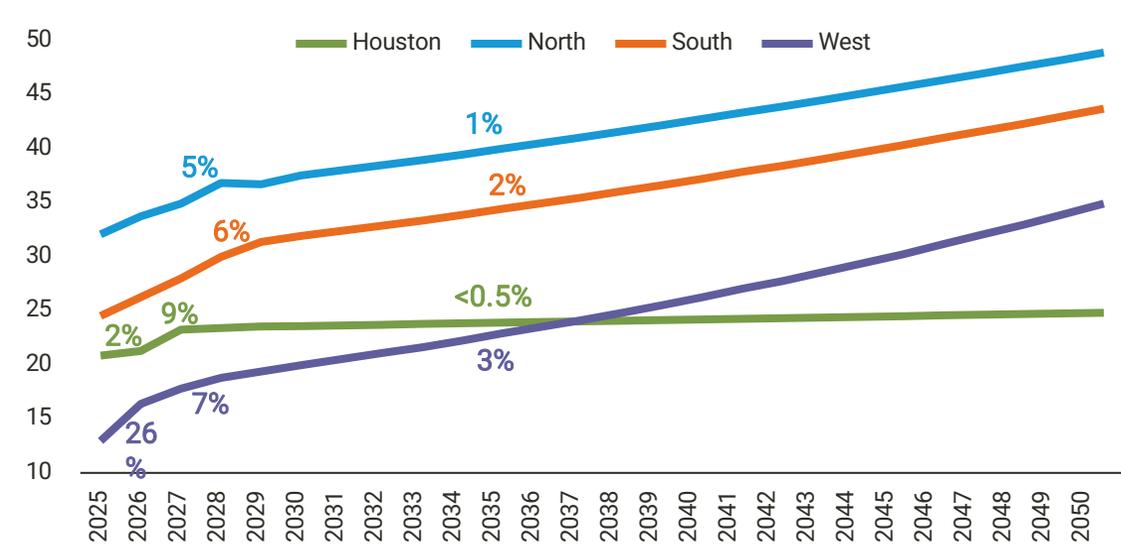


# Black & Veatch ERCOT Load Forecast

**Energy Demand (TWh)**

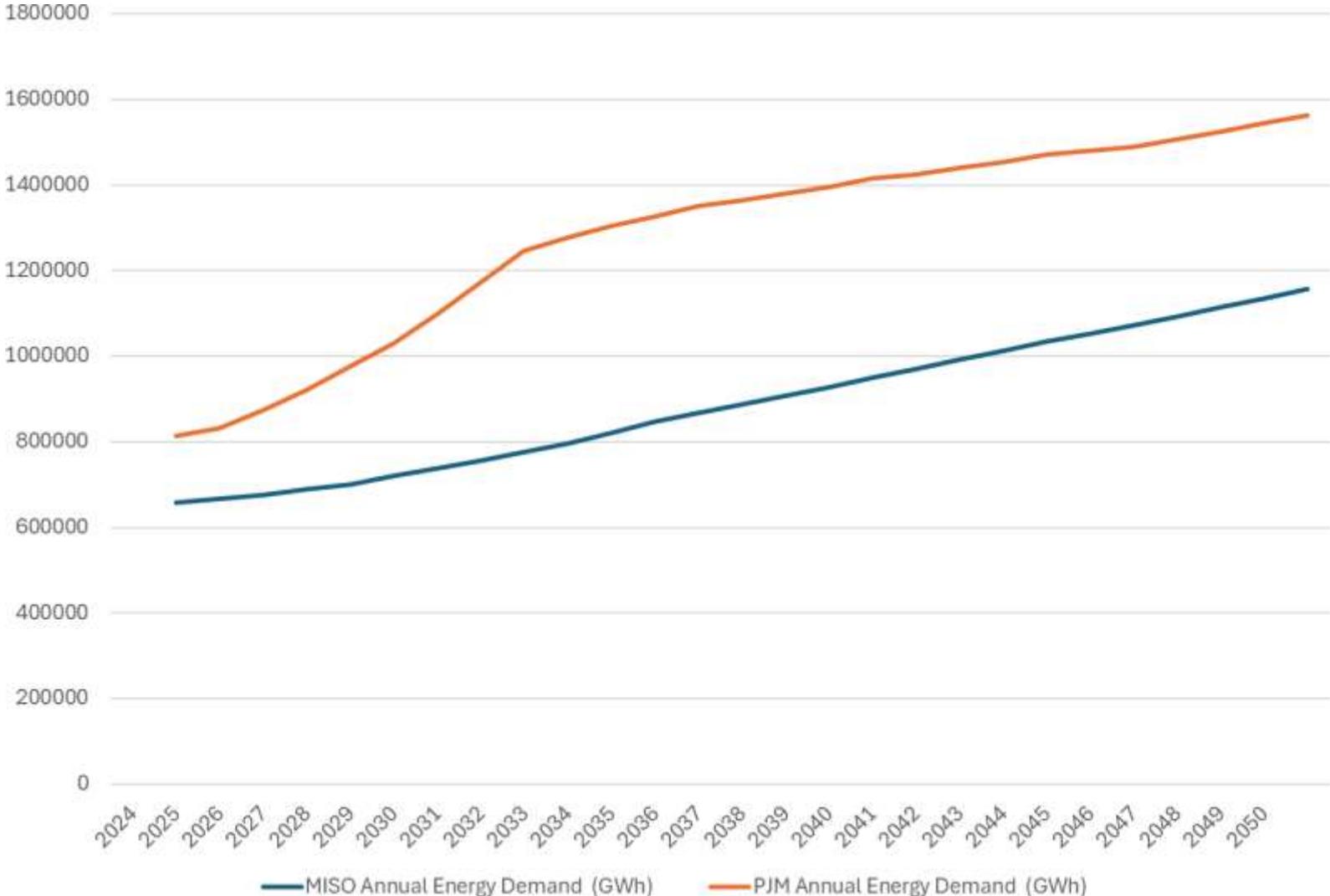


**Peak Demand (GW)**



- 50% increase in energy demand and 32% increase in peak demand by 2034 driven by data centers and other industrial load

# Black & Veatch load Forecast – PJM & MISO

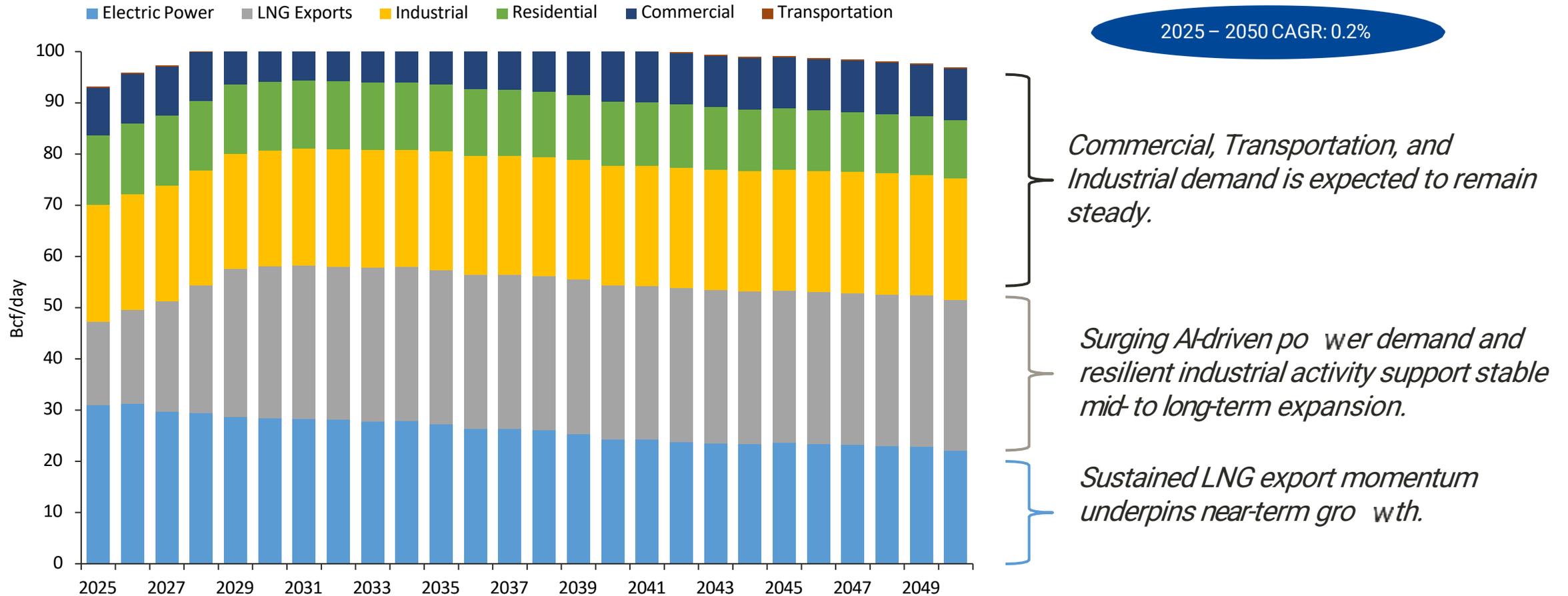


# Gas Power Generation Developments

- PJM
  - Fast Track Interconnection Process May 2025 -11.2 GW, 69% Gas
  - Expedite Interconnection Track (EIT) Proposal – 500 MW, Capacity Resource
- ERCOT
  - Texas Energy Fund
  - JETI
- MISO
  - Expedite Resource Addition Study (ERAS)
- Entergy
  - Louisiana
  - Texas

# Projected US Lower 48 Gas Demand by Sector

## Projected Lower 48 Gas Demand by Sector



Source: Black & Veatch EMP

# Potential Impact from Generation Technology

- SMR
- Gas with Carbon Capture
- Offshore Wind
- Geothermal
- Hydrogen

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Thank You!