

***SECURING A CLEAN  
ENERGY FUTURE  
ASERTTI Winter Meeting  
February 4, 2008***

Sue Gander, Director  
Environment, Energy & Natural Resources Division  
National Governors Association  
Center for Best Practices  
[Sgander@nga.org](mailto:Sgander@nga.org)

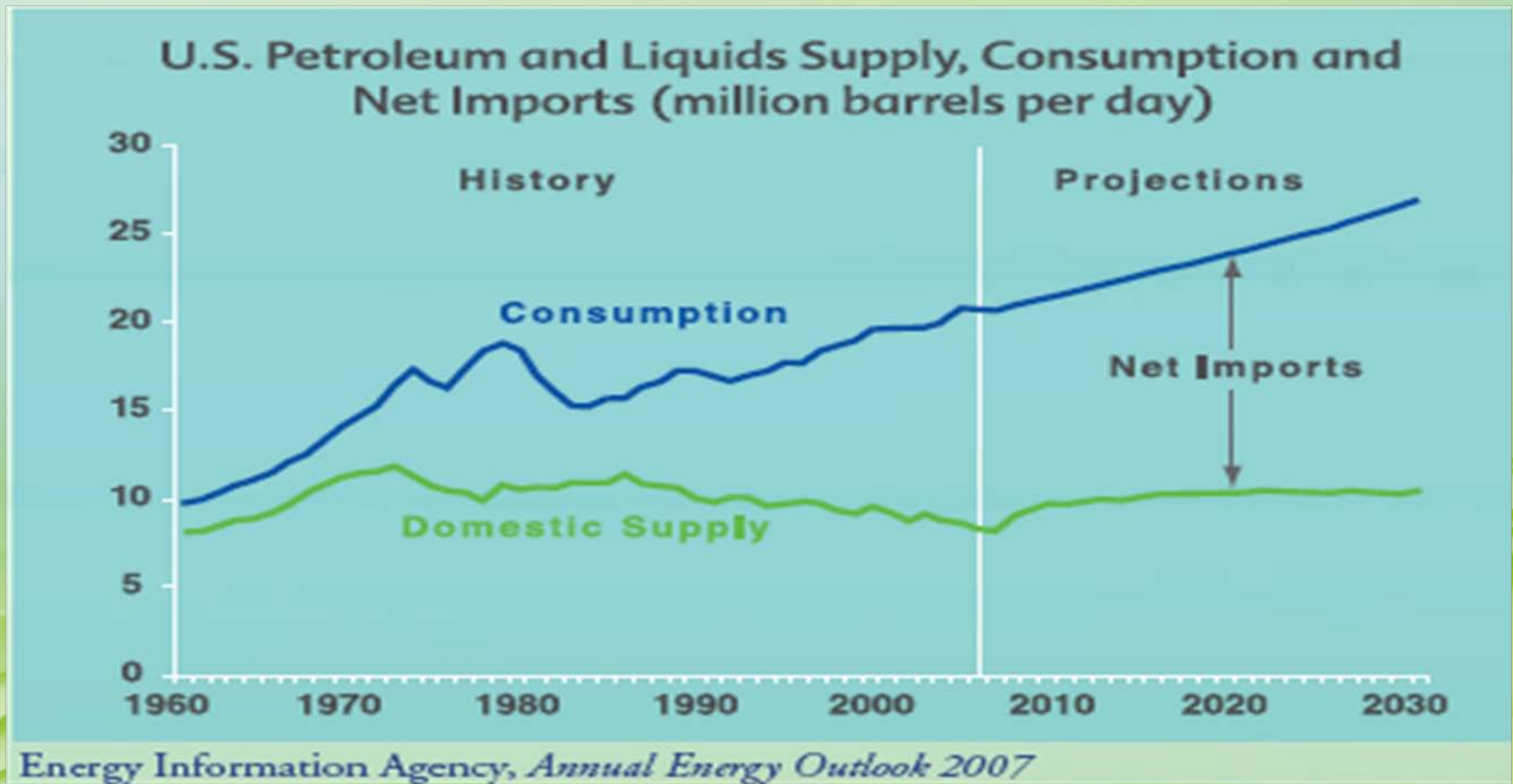
# Securing a Clean Energy Future

- America faces many energy challenges with security, economic, environmental impacts
- States well positioned to act
- NGA's Chair's Initiative

# Today's Energy Challenges

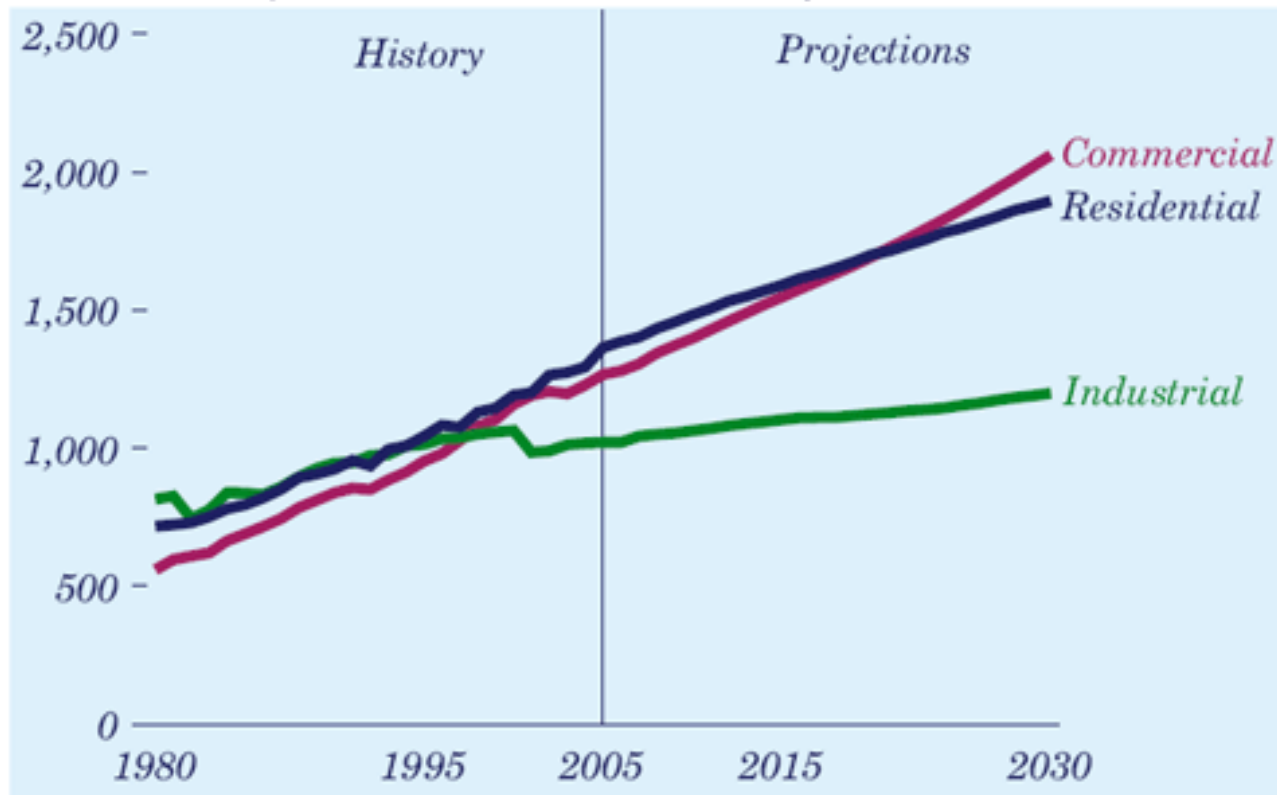
- Increasing energy prices
- Dependence on imported oil
- Increasing electricity demand
- Growing greenhouse gas emissions
- Electricity affordability, reliability, and diversification

# Dependence on Imported Oil Growing

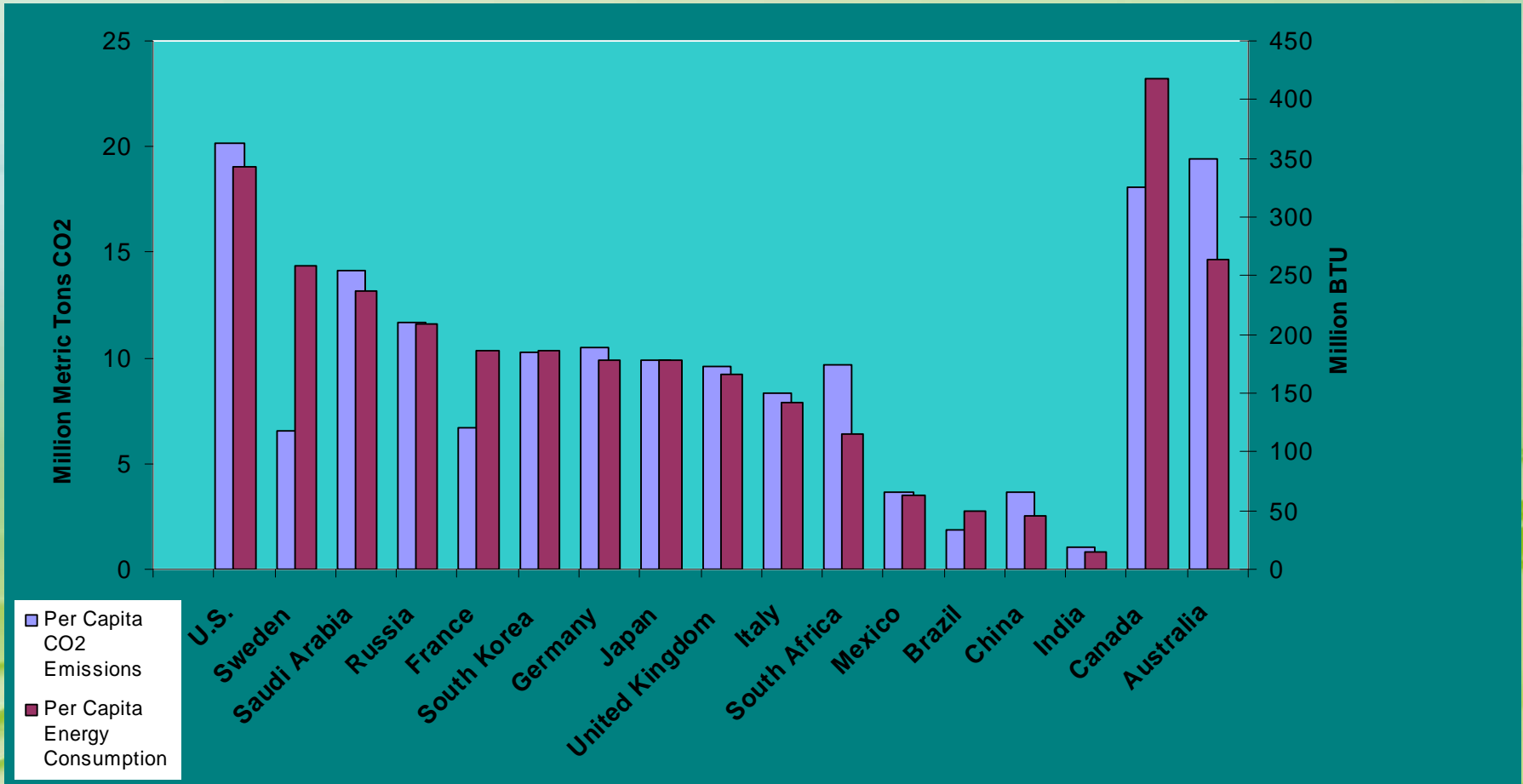


# Electricity Demand Growth Climbing

**Figure 53. Annual electricity sales by sector, 1980-2030 (billion kilowatthours)**



# Energy Consumption and GHG Emissions Per Capita



# States Well Positioned to Act

- Nimble innovators
- Regional actors
- Leaders by example
- Power sector players
- Influencers of the built environment
- Hubs of technology expertise

# Governors Moving Ahead

- 2008 -- 26 governors included climate change or clean energy in their state of the state addresses thus far (20+ to go)
- This includes several new initiatives:
  - KS wants to develop climate action plan
  - MD transit-oriented development legislation
  - VT and NH new climate change commissions
  - AZ efficiency and renewable policies
  - HI clean energy initiative

# Securing a Clean Energy Future Initiative

## Initiative Objectives

- Use less energy through efficiency and conservation
- Promote clean energy alternatives, from all fuel sources
- Take reasonable steps to reduce greenhouse gas emissions
- Accelerate research and development of advanced clean energy technologies

# Securing a Clean Energy Future Task Force

Minnesota Governor Tim Pawlenty, Co-Chair  
Kansas Governor Kathleen Sebelius, Co-Chair

Connecticut Governor M. Jodi Rell

Florida Governor Charlie Crist

Hawaii Governor Linda Lingle

Montana Governor Brian Schweitzer

Pennsylvania Governor Edward G. Rendell

Washington Governor Chris Gregoire

# Initiative Focus

## Four Pillars of Clean Energy

- Cleaner Domestic Fuels and Advanced Vehicles
- Clean Power and Efficiency
- State Leadership by Example
- Clean Energy RD&D

# Initiative Actions

- Raise state and national awareness of the importance of securing a clean energy future
- Produce toolkits and guides that analyze and examine current best practices
- Convene national workshops to identify challenges and develop solutions
- Explore multi-state agreements and state-industry partnerships to achieve meaningful, measurable results

# State-Industry Partnership: Climate Savers Computing Initiative

- Created by leading tech companies, Google, Intel, others
- Goal to reduce power consumption in computers 50% by 2010, avoiding 54 M tons of CO<sub>2</sub> ~ taking 11 million cars off the road each year
- MN and KS initially joined, urged others to follow: OR joined last week, others considering
- States commit to purchase increasingly efficient computers for state government, use power management

# RD&D Questions

- Leading clean energy investment opportunities?
- Opportunities to leverage public and private funding sources?
- Drivers for state investments in RD&D?
  - economic goals, resource base, existing expertise, industry, others?
- Role for states at each stage of the RD&D development continuum?
- State best practices for policies and incentives to support clean energy RD&D?

# RD&D State Workshop (March 25-26, Seattle)

- Engage states in interactive discussion with national experts, research labs, private sector
- Identify successful clean energy RD&D funding strategies, leveraging mechanisms and partnership models
- Build understanding of supportive state policies and best practices across the RD&D continuum

# RD&D State Resource Guide

- Review of major clean energy technologies (e.g., renewables, clean coal, alternative transportation fuels, nuclear)
- State role in RD&D and how to make efficient use of funds
- Framework for strategic planning at the state level, focused on the development and/or expansion of clean energy industries

# Activities & Events To Date

- August 2007: Stakeholder Input Sessions
- September 2007: Formal Launch of Initiative
- November 2007: Climate Savers Computing Initiative Partnership Launched
- December 2007: *Call to Action* Released
- December 2007: Governors Summit on Alternative Transportation Fuels
- December 2007: Discovery Channel PSAs

# What's Ahead

- February 2008: *Greener Fuels, Greener Vehicles: A State Resource Guide*
- March 2008: RD&D State Workshop
- April 2008: RD&D State Resource Guide
- May 2008: Governors Summit on Clean Power & Efficiency
- June 2008: *Clean Power and Efficiency State Resource Guide*
- July 2008: State Lead by Example Issue Brief

# The Future Starts Now

And needs your help to:

- Increase efficiency and conservation
- Develop and adopt clean energy alternatives, from all fuel sources
- Slow greenhouse gas emissions
- Discover and demonstrate new clean energy technologies

# Securing a Clean Energy Future

*America is ready for bold, innovative energy policies that will make us safer, more independent and better stewards of the planet.*

*We've been asleep at the switch for too long -- the time for action is now.*

Minnesota Governor Tim Pawlenty  
NGA Chair, 2007-2008