

# Clean and Diversified Energy Initiative

Kevin Moran

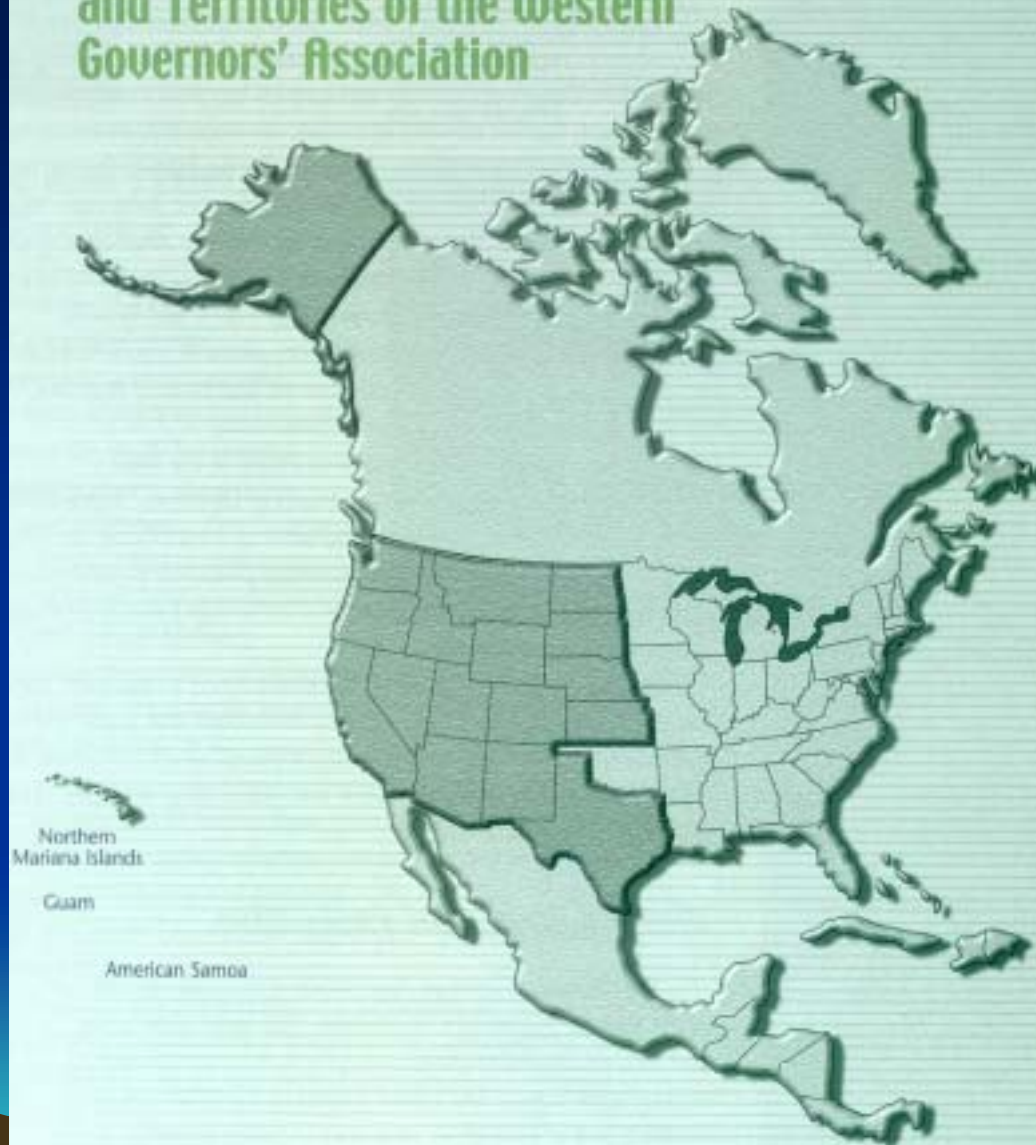
Western Governors' Association

February 7, 2005

[Kmoran@westgov.org](mailto:Kmoran@westgov.org)



# Member States, Commonwealth, and Territories of the Western Governors' Association



# Background

- Richardson/Schwarzenegger letter called for:
  - the development of 30 gigawatts of clean energy in the West by 2015 using solar, wind, geothermal, biomass, clean coal technologies and advanced natural gas technologies;
  - increasing the efficiency of energy use 20 percent by 2020; and
  - meeting the West's transmission needs for the next 25 years.



# Objectives of the Resolution

- Protect the economy from energy shortages and price spikes
- Create a diverse energy portfolio by accelerating development of alternative sources
- Meet growing energy demand in the West
- Better position the West to meet environmental challenges
- Take advantage of new technologies



# Challenges

- Develop a working definition of “clean” energy
- Establish a metric for measuring achievement of the 20% efficiency goal
- Complete the report to the Governors by June, 2006



# Approach

- Form a Clean and Diversified Energy Advisory Committee (CDEAC) that has a balance of stakeholders, including state, local and Native American leaders, environmental organizations, state and tribal air quality agencies, the private sector, the federal government, and representatives from Mexico and Canada.
- Establish working groups to advise the CDEAC on specific issues.



# Working Groups

- Energy Efficiency
- Wind
- “Clean” Coal
- Advanced Natural Gas
- Biomass
- Solar
- Geothermal
- Transmission
- Quantitative



# Considerations

- Examine:
  - interstate market analysis
  - transmission efficiency and development
  - collaboration with public and private electricity generators
  - public building design criteria
  - model state legislation to encourage clean energy development
  - transportation system design and development of a hydrogen economy



# Considerations (cont.)

- Determine overall resource adequacy and deliverability in the West
- Stress incentive-based, non-mandatory approaches
- Consider federal programs that could assist in the development of clean and diversified energy in the West



# Noteworthy

- First truly regional effort to accelerate renewable generation
  - Not a “top down” effort at the federal level
  - Has the potential for significant reductions in carbon emissions
  - Western renewable resources are enormous
  - Economies of scale should bring down costs



# Other WGA Efforts

- Western Regional Air Partnership efforts to incorporate renewable energy and energy efficiency into regional haze plans
- Western States Energy Policy Roadmap
- Energy Efficiency in the Border Region
- CEC Renewable Energy Program
- Supporting DOE on carbon sequestration



You Light Up My Life

