



washington

# STATE ENERGY SUMMIT

Leadership for a Clean and Efficient Energy Future

## Repowering Washington

Renewing Our Competitive Advantage in Energy

Rogers Weed  
Department of Community, Trade and  
Economic Development  
State of Washington  
May 4, 2009



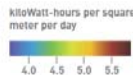
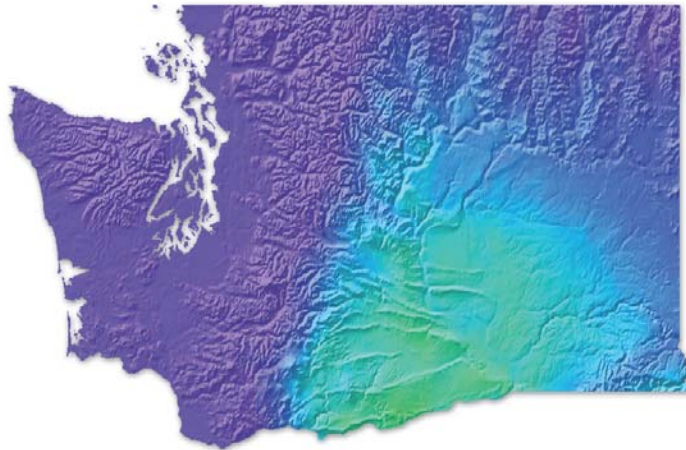
**Washington State**  
Innovation is in our nature.

# Energy Supply and Demand

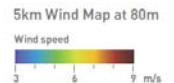
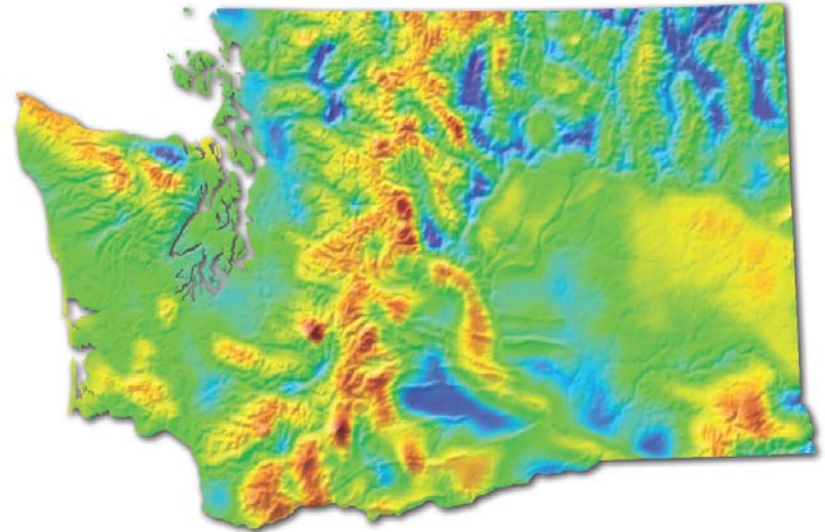
Washington Solar  
Irradiance Map



Washington Wind Map at 80m 



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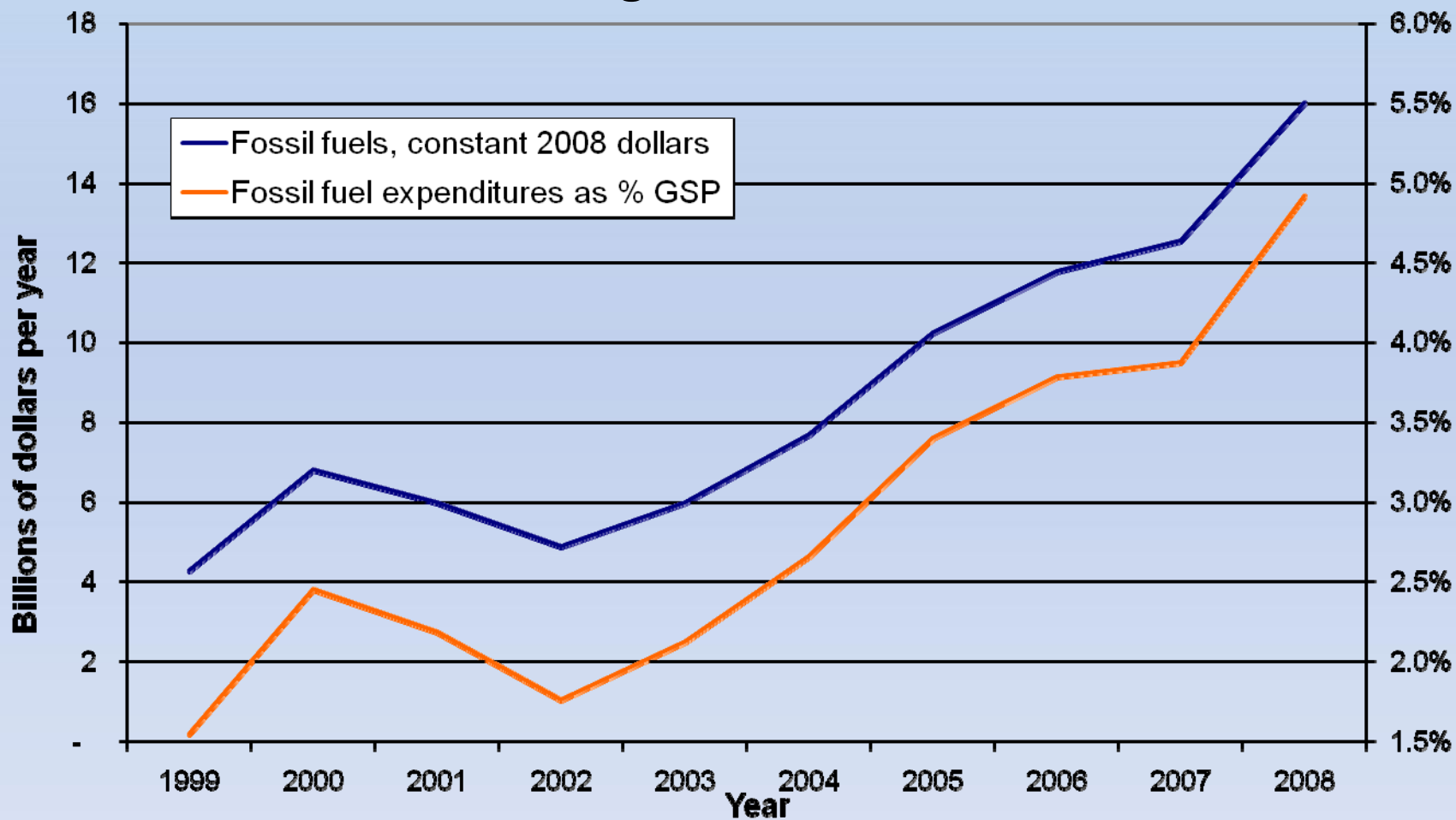


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The solar energy that hits our state alone represents **over 600 times** the total amount of energy we consume each day

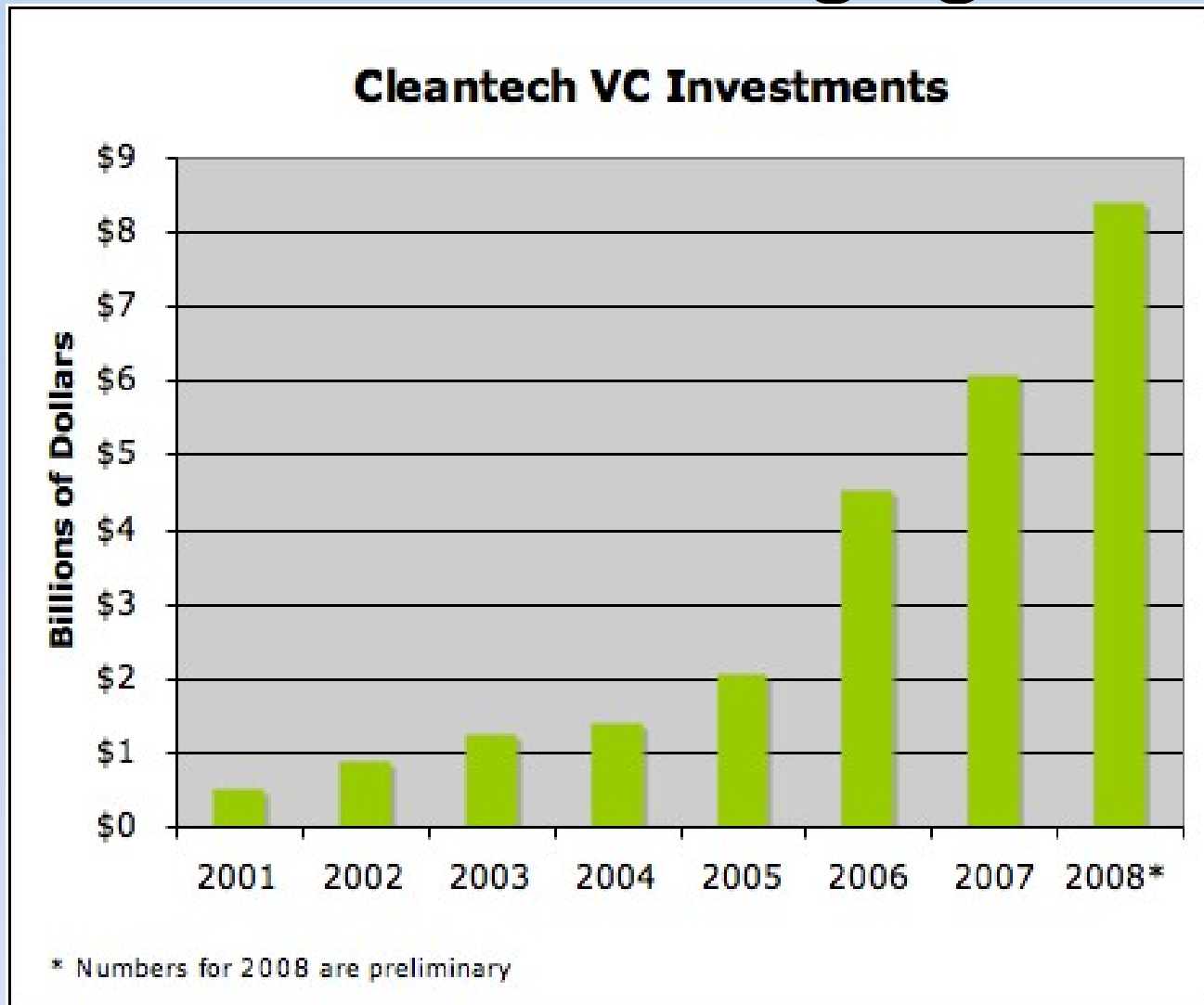
# Expenditures on Fossil Fuels

## Washington State: 1999-2008



Excludes fuel taxes, refinery and pipeline costs and profits  
Sources: EIA, BEA and Sightline

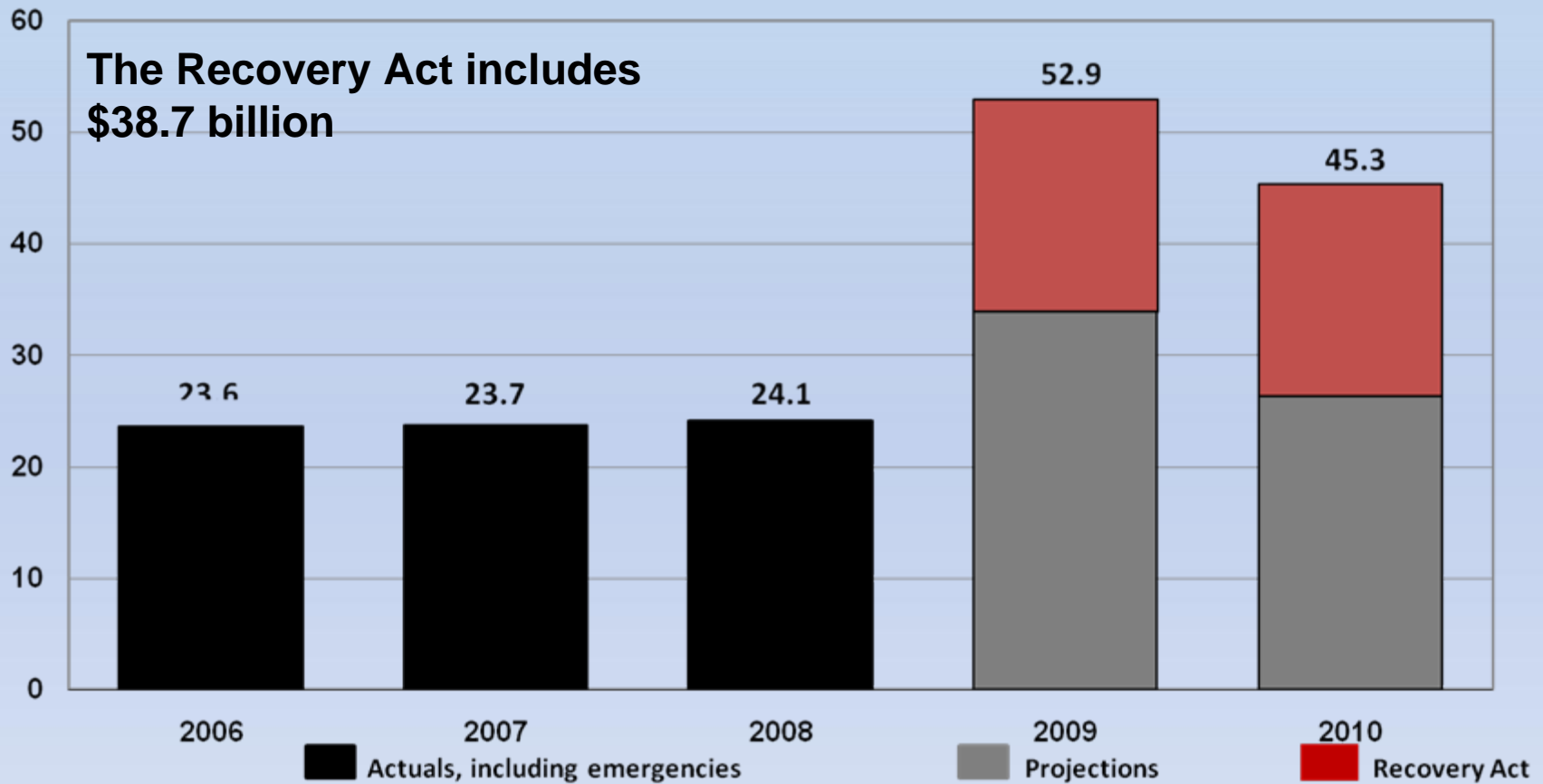
# Indicators of an Emerging Sector



Source: The Cleantech Group For North America, Europe, Israel, China and India  
<http://cleantech.com/>

# Federal Momentum

DOE Discretionary Budget Authority (\$Bs)

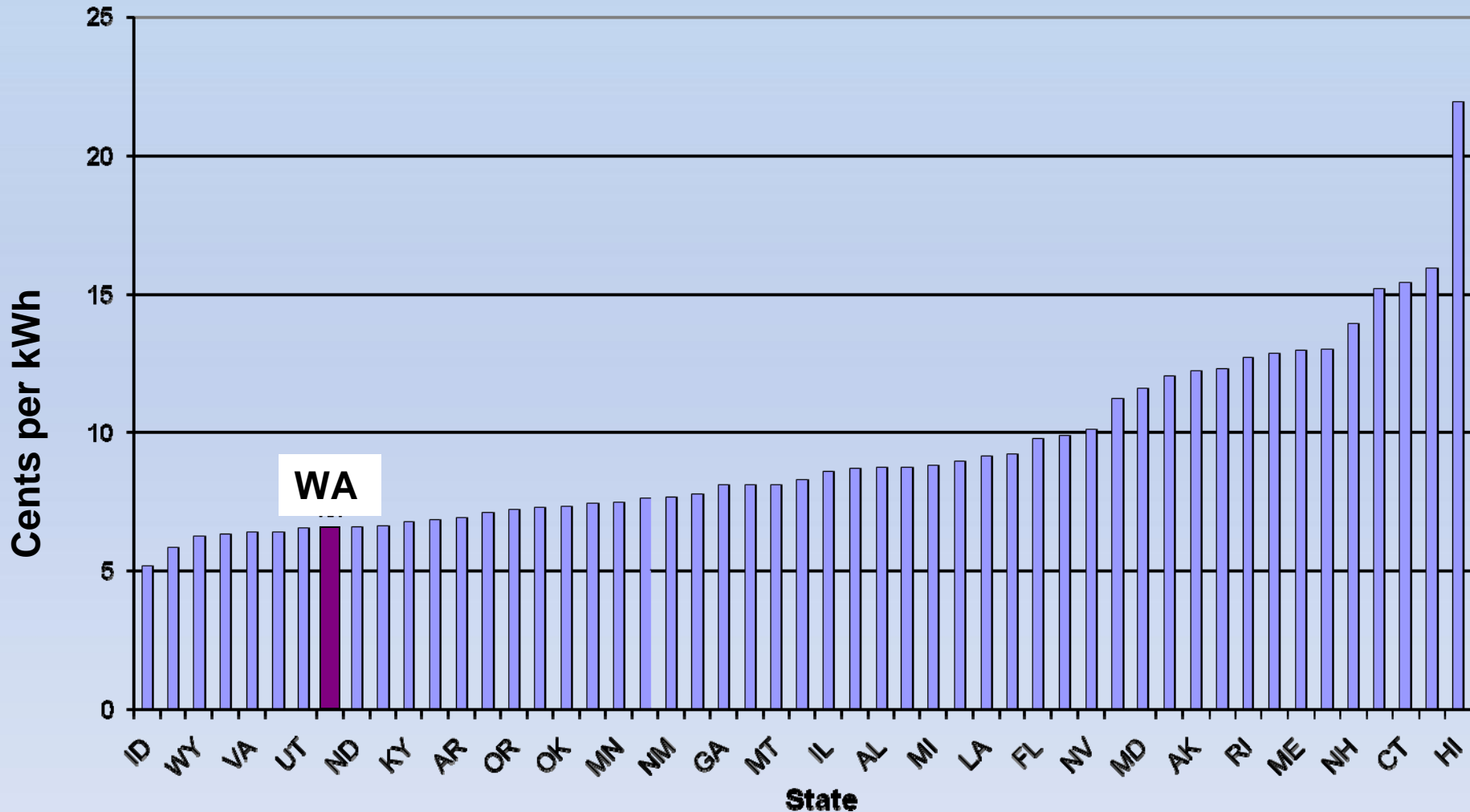


**Note:** Included in 2009 is emergency funding for Advanced Technology Vehicles Manufacturing Loan Program, \$7.5 billion, and \$250 million

*“We can no longer delay putting a framework for a clean energy economy in place – that needs to be done now.”*      *Barack Obama April 14, 2009*

# Competitive Advantage

## Commercial Electricity Price by State, 2007



# What's It Going To Take?

- A compelling and *credible* state-wide goal
- A balanced framework for investment
- A systematic approach
  1. Deep efficiency investments
  2. Grid infrastructure investments
  3. Continued renewable energy development
  4. Transportation fueling/charging infrastructure
  5. Thoughtful policy
  6. Technical breakthroughs

# Towards a State Energy Framework

## Inputs

### Efficiency Investments

Industrial  
Transportation  
Built Environment

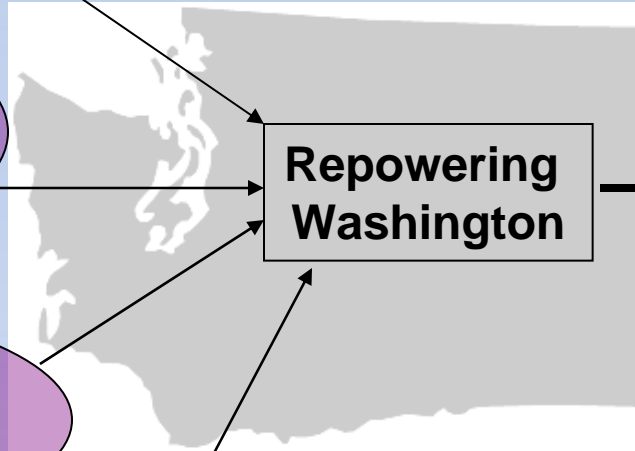
### Infrastructure Investments

Grid  
Vehicle fueling/charging  
Storage

### Renewable Investments

### Policy

Regulation  
Carbon price  
Renewable/Efficiency Targets  
Tax Incentives



**Repowering  
Washington**

## Outputs



**Electricity Cost**



**Clean Energy  
Related Growth**



**Overall Carbon  
Footprint**

# Next Steps

- Continue pursuing Federal stimulus
- Work together to develop an overall energy plan
  - Engineering and technical
  - Policy and Regulatory
  - Investment and Economic Development
- Review with state leaders
- Adjust and begin implementing

Thank You

# Afternoon Talk

# Observations

- Key points by breakout

# State Involvement Moving Forward

1. Support regional online clearinghouses
2. Track thought leadership
3. Invest to influence
4. Lead (Propose)

# Next Steps

- Measuring success
- CleanTech Leadership Council
- Seattle Chamber Conference