

# Environmental Pioneering in the International Context: The United States

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## U.S. Picture

- Current view of selected technologies
  - Wind
  - Solar
  - Vehicles
- What is the potential in U.S.?
- Drivers for change



## Wind Energy



- Leaders:
  - Texas
  - Pennsylvania
  - Great Plains
- US Department of Energy: Wind could be 20% of electricity by 2030
- US is highest in wind energy production



## Solar Energy



- Manufacturing in industrial states
- Commercial electricity generation in Southwest
- US is fourth in the world for solar energy production



## Vehicle Production



- Competition for electric car
  - Detroit versus Silicon Valley
- \$25 Billion in loan guarantees for auto industry
- Behind with hybrids, want to lead with electric vehicles



## Potential in United States

- Many renewable energy sources still untapped
- Competition among states
- Large amount of venture capital invested in new technologies



## Drivers for Green Growth

- Federal climate legislation
- New administration
- Economic concerns
  - Energy security
  - Job growth, workforce transition

