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Economic Security: Neglected Dimension of National Security?

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By

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Economic Security: Neglected Dimension of National Security

Panel 4: Energy Security Fuels our National
Security

Migrating to Alternative Energy

William C. Walden
Technikon, LLC

- U.S. Energy Use 2007:
 - Fossil Sources 85%
 - Non-Fossil 15%
- Renewable % in U.S. 5%
- U.S. exported \$360 billion in 2009 for fossil fuels
- Cost to DoD was \$20 billion in 2008

- Reasons to move from fossil to Renewable Energy:
 - Carbon in the atmosphere
 - Price stability
 - Supply interruption – Dependence on foreign
 - Jobs creation in U.S.
 - Reduce environmental disasters
 - Research science is relatively mature

- Challenges and myths:
 - Low cost of fossil energy, landfill and sewage treatment
 - High cost of new infrastructure
 - R&D is being exported or appropriated
 - Technology at industrial scale is not mature
 - Private sector funding is sitting on the sideline
 - A Pre-Commercialization Gap exists and not being solved on national scale
 - We still believe that research creates manufacturing jobs

Shrinking the Pre-Commercialization Gap

