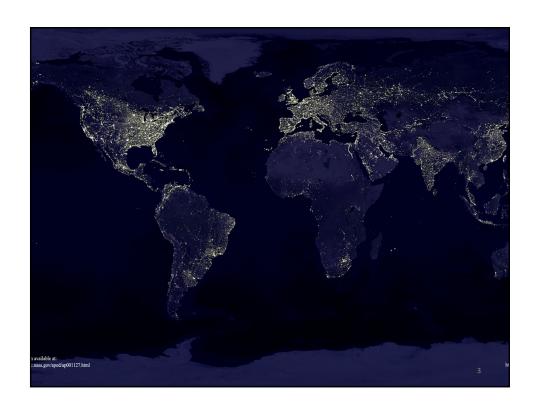


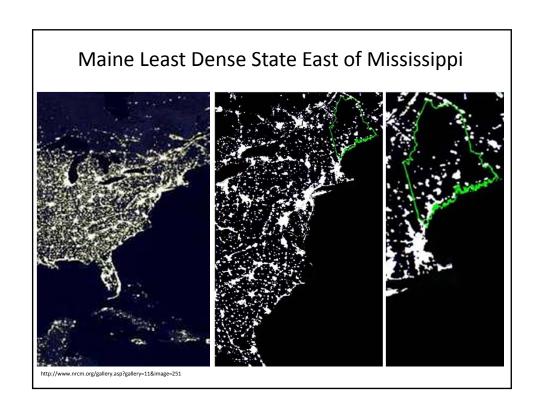
Global Megatrends 2035

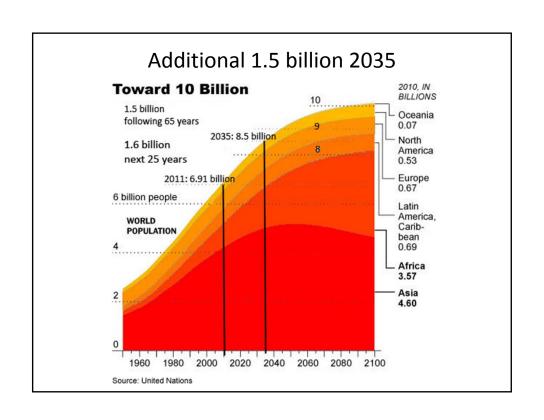
- 1. Global Population and Income Surge and the Earth's Build-Out
- 2. The New Normal: Environmental and Natural Resource Limits
- 3. Global Competition and Governance: The Great Challenge of the 21st Century











America Grows

200 million in 1968

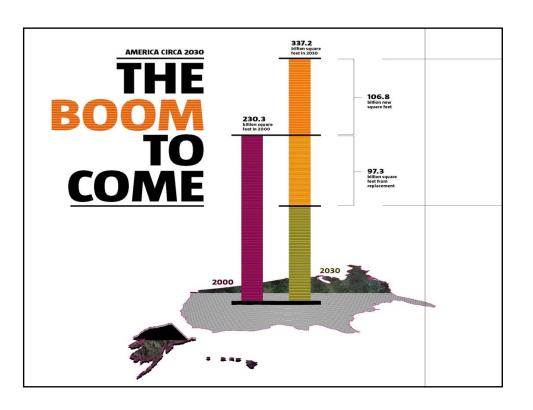
300 million in 2006

400 million in 2032

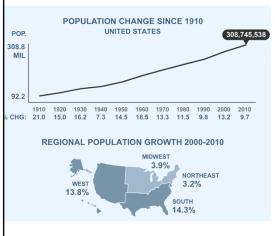
500 million in 2050

America adds 100 million people faster than any other nation except India and Pakistan – But *faster* than China.

Source: Arthur C. Nelson, Metropolitan Research, University of Utah.

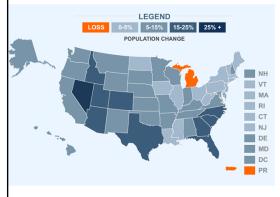


Build-Out of United States: Consequences for Maine



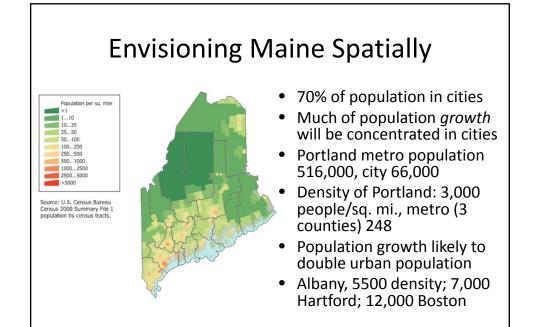
- United States population 2011 309 million
- 1% population growth = 95 million people over next 25 years
- Maine's population growth 2000-2010 v
 US, .4% v 1%

Build-Out of United States: Consequences for Maine

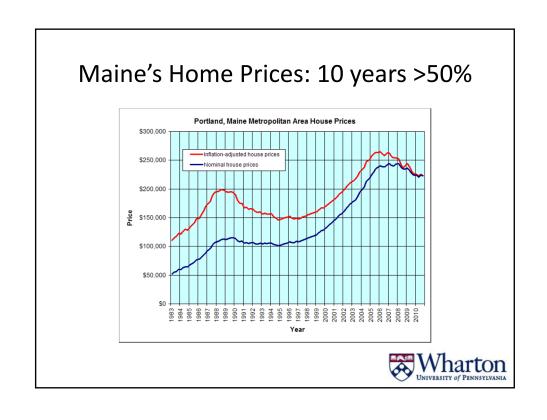


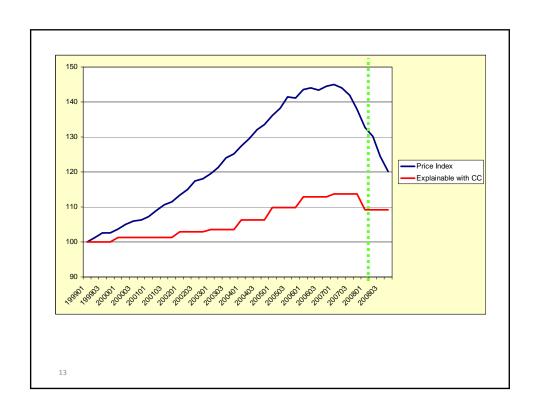
- Maine's pop 1.3 million
- 10% growth over 25 years = 139,000 people
- Equivalent of adding two cities the size of Portland

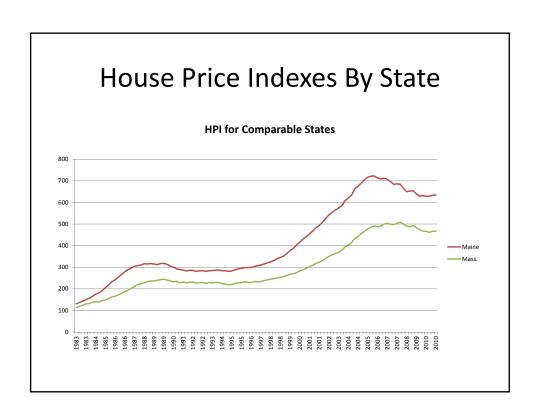


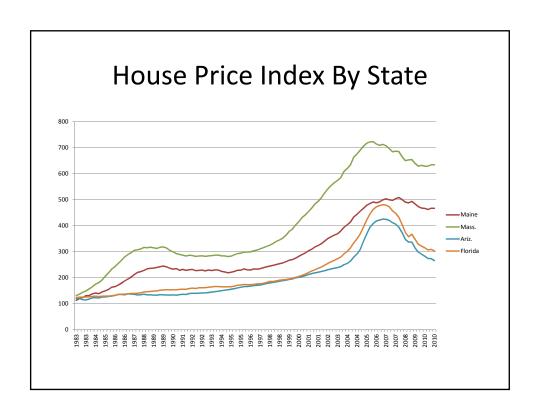


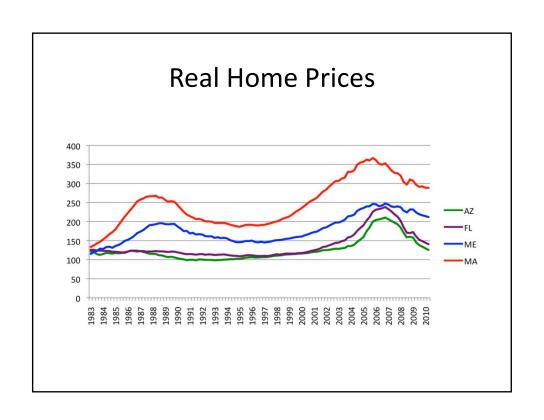
US Census Bureau 2000

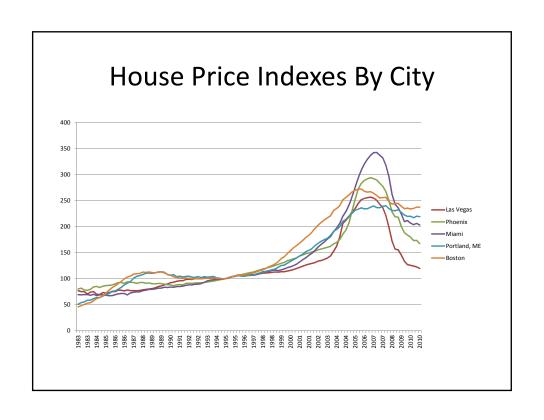


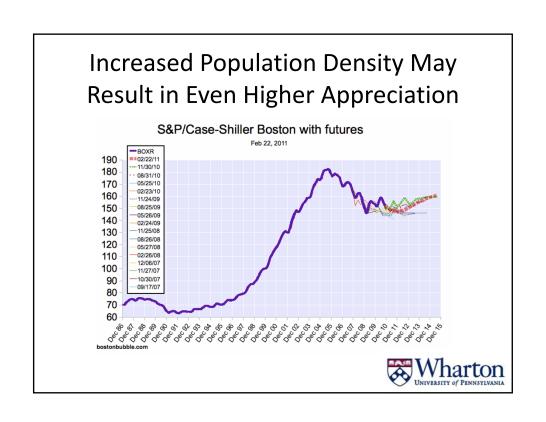


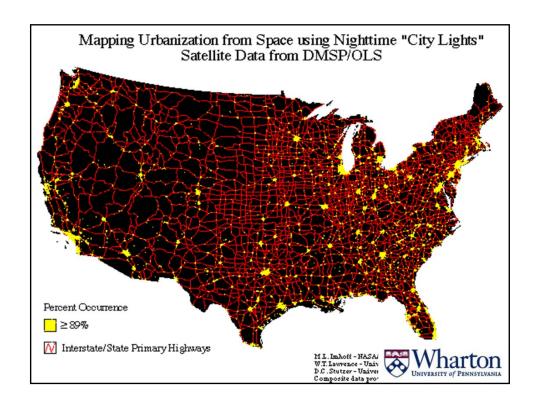








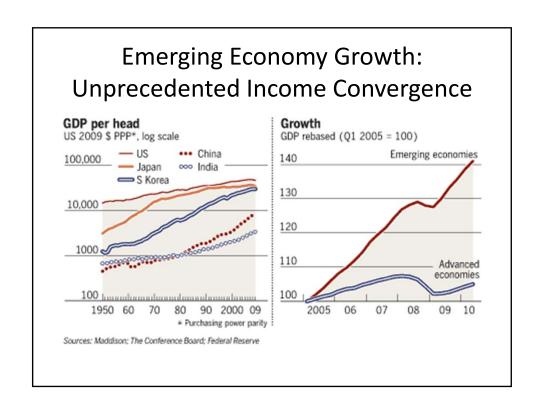


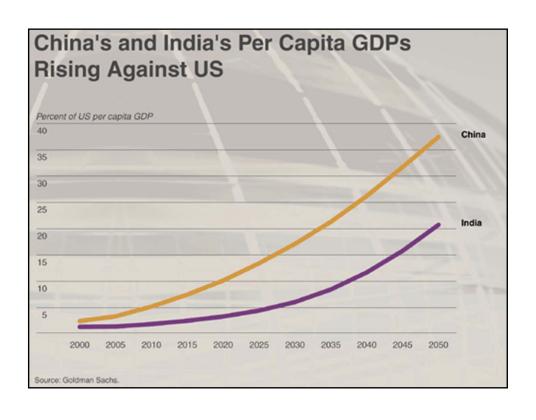


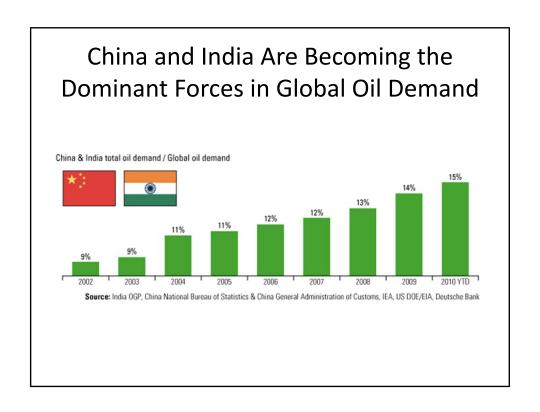
2. The New Normal: Environmental and Natural Resource Limits

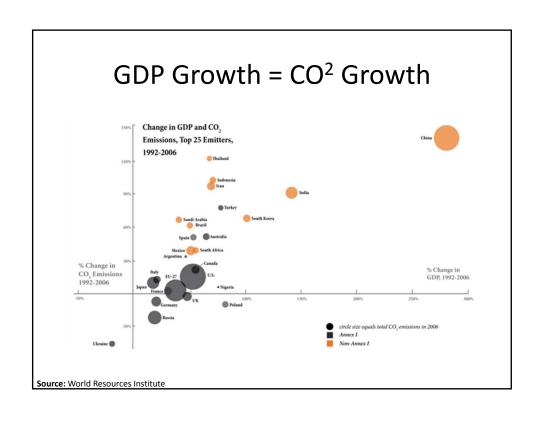
- 30% of the environment will be built or re-built in the next 30 years
- Maine is resource-sensitive
 - Cold weather = high heating costs
- Energy solutions to mitigate rising commodity prices and carbon dioxide emissions
- Maine's resources are energy dependent

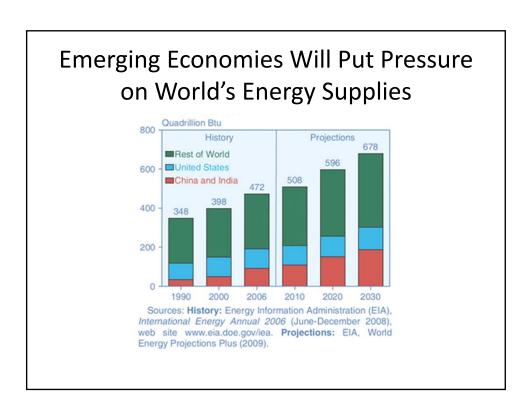


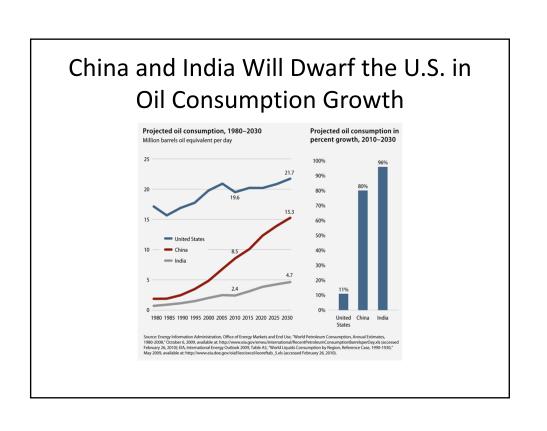


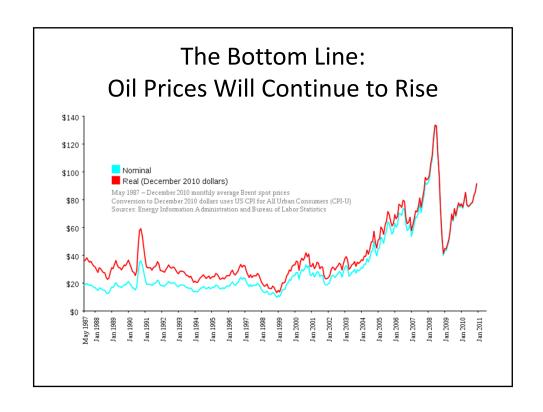


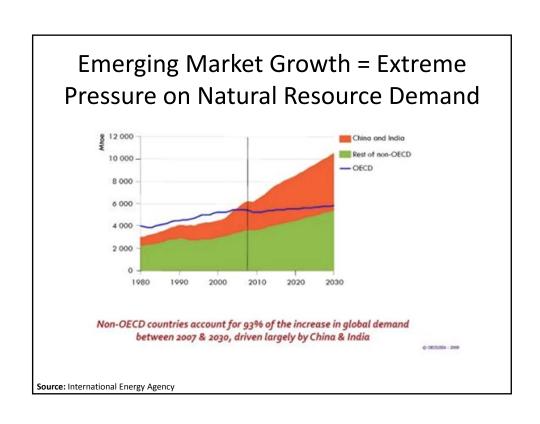




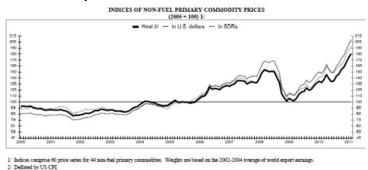








Commodity Prices Will Continue to Rise



- Purchases in developing countries rose to 45m hectares in 2009, a ten-fold jump from the last decade.
- Sovereign wealth funds from the Mid-East, as well as state-entities from China, the Pacific Rim, and even India are trying to lock up chunks of the world's future food supply.
- Western agribusiness is trying to beat them to it.
- Hedge funds that struck rich 'shorting' US sub-prime have rotated into the next great play of our era: 'long' soil.

http://www.telegraph.co.uk/finance/comment/ambroseevans_pritchard/7997910/The-backlash-

3. Global Competition and Governance: The Great Challenge of the 21st Century

- Globalization and global competition will intensify
- Maine must increase focus on competing globally
 - Government efficiency
 - Education
- Maine must maintain the assets it is known for, especially quality of life and recreational amenities, to sustain demand



Governance Issues and Challenges for Maine

- High energy costs and taxes
- Workforce educated, skilled and low poverty but aging population
- Must invest in scientific research
 - Marine technology
 - Renewable energy
 - Environment preservation
 - Natural beauty = competitive edge



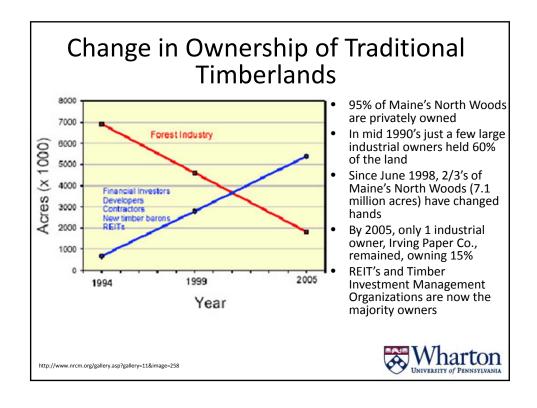
Change in Ownership of Traditional Timberlands



- 95% of Maine's North Woods are privately owned
- In mid 1990's just a few large industrial owners held 60% of the land
- Since June 1998, 2/3's of Maine's North Woods (7.1 million acres) have changed hands
- By 2005, only 1 industrial owner, Irving Paper Co., remained, owning 15%
- REIT's and Timber Investment Management Organizations are now the majority owners

flickr.com/photos/bp1971





Maine Growth Management Enacted in 1989



- Comprehensive Planning
- Funding for projects support goals
- 250 municipalities have adopted comprehensive plans
- Incentives rather than mandates

flickr.com/photos/picsofmaine/



Questions: 25 Years into the Future

- How can Maine compete in the next 25 years?
- What does Maine need to do to compete with other states to attract funds?
- Where are developers going to be investing their money?
- What changes in the landscape will we see where developers/brokers will be making their money over the next 25?
- What will be the key ingredients of decisionmaking for future development in Maine?



State Goals:

(1) To encourage orderly growth and development in appropriate areas of each community and region while protecting the State's rural character, making efficient use of public services, and preventing development sprawl; (2) To plan for, finance, and develop an efficient system of public facilities and services to accommodate anticipated growth and economic development; (3) To promote an economic climate which increases job opportunities and overall economic wellbeing; (4) To encourage and promote affordable, decent housing opportunities for all Maine citizens; (5) To protect the quality and manage the quantity of the State's water resources, including lakes, aquifers, great ponds, estuaries, rivers, and coastal areas; (6) To protect the State's other critical natural resources, including without limitation, wetlands, wildlife and fisheries habitat, sand dunes, shorelands, scenic vistas, and unique natural areas; (7) To protect the State's marine resources industry, ports, and harbors from incompatible development and to promote access to the shore for commercial fishermen and the public; (8) To safeguard the State's agricultural and forest resources from development which threatens those resources; (9) To preserve the State's historic and archeological resources; and (10) To promote and protect the availability of outdoor recreation opportunities for all Maine citizens, including access to