



Using less. Doing more.

Alliance Commission on National Energy Efficiency Policy

Peter R. Smith

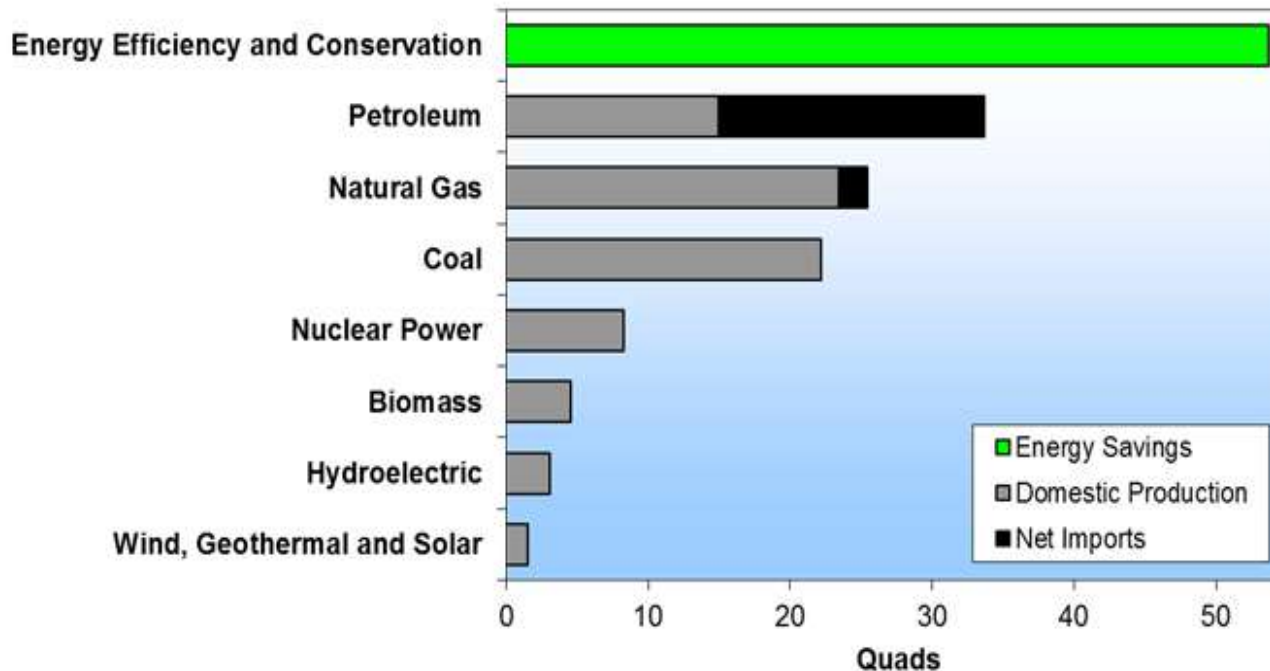
Managing Director

THE | **PATAKI-CAHILL** | GROUP

A Quiet History of HUGE Success!

Energy Efficiency: America's Greatest Energy Resource

U.S. Energy Resources Used in 2011



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(D – Va.)



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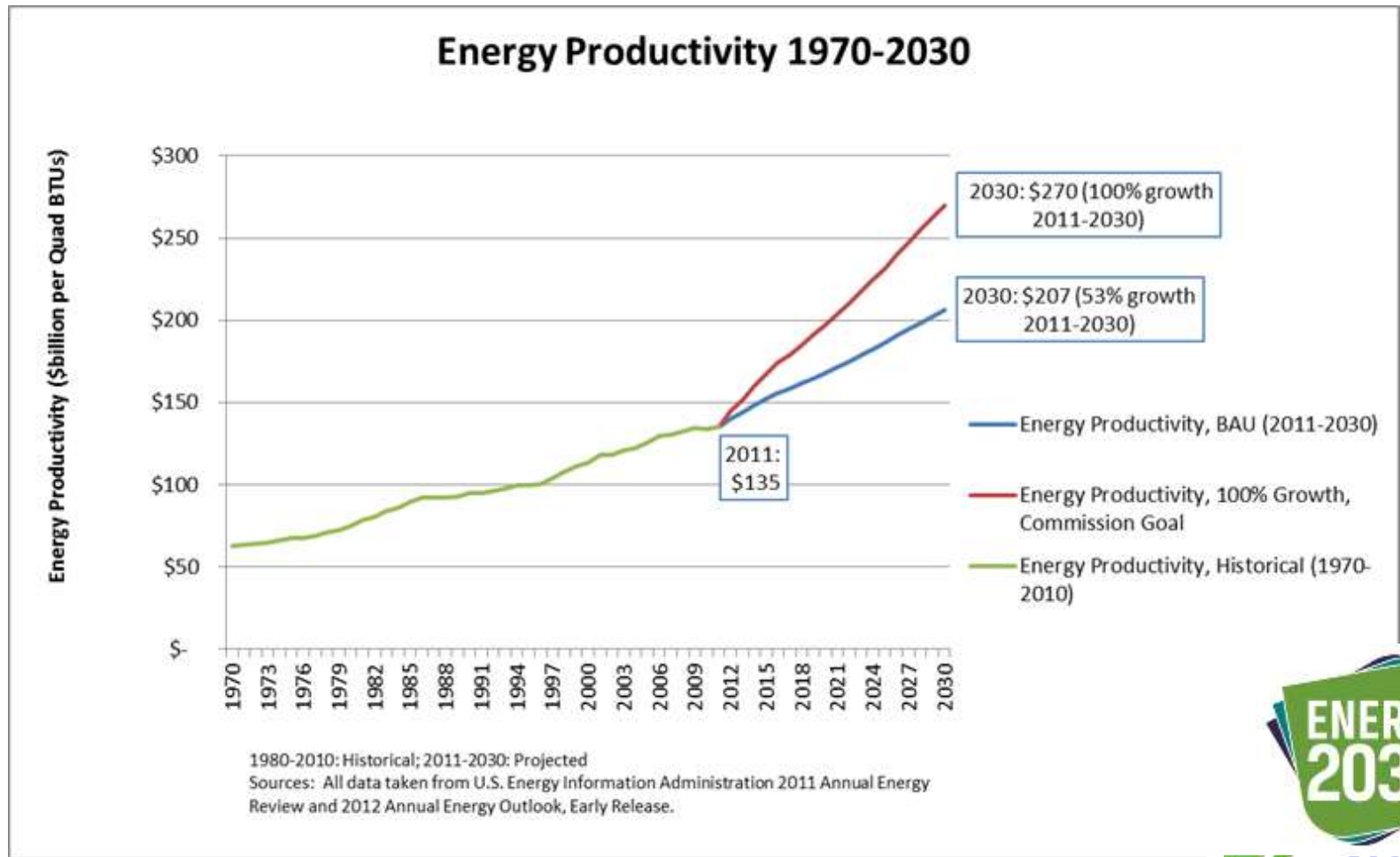


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**United Technologies
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**Panasonic Corporation
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Commission Goal: Double Energy Productivity by 2030



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Alliance Commission on National Energy Efficiency Policy

- Recommendations cover all sectors of the economy
 - Power sector (Generation & Smart Grid)
 - Buildings (Residential & Commercial)
 - Mobility (Transportation, Land Use & Accessibility)
 - Industry (Manufacturing)
- Recommendations will be ***actionable***
- Recommendations will be geared towards federal, state and local government, and private sector



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Strategies to Double U.S. Energy Productivity

Invest

INVEST



Modernize

MODERNIZE



Educate

EDUCATE



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Federal Recommendations

- Consider household energy and transportation costs when underwriting federal mortgages
- Reform federal energy efficiency tax incentives, and promote innovation and market transformation
- Adjust commercial and industrial depreciation schedules
- Make all cost-effective energy improvements to federal buildings and fleets
- Establish guidelines and rules for residential PACE financing



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Federal Recommendations

- Create a “Race to the Top” style energy productivity competition
- Use energy efficiency as an emissions reduction strategy
- Infrastructure updates should achieve large energy productivity gains
- End delays and update standards and codes



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Federal Recommendations

- Develop building energy ratings, benchmarks and disclosure methods
- Develop harmonized energy use labels for appliances and vehicles that coordinate with building energy labels
- Develop or support consumer awareness campaigns



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State and Local Recommendations

- Work to aggregate and resell loans in secondary capital markets
- Establish effective energy efficiency financing mechanisms for residential and commercial buildings
- Make all cost-effective energy improvements to state and local buildings and fleets



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State and Local Recommendations

- Implement innovative energy productivity improvements
- Develop and adopt utility energy efficiency policies
- Advance regional and local transportation and land use plans
- Use energy efficiency as an emissions reduction strategy
- Focus infrastructure spending on energy productivity gains
- Increase stringency of building energy codes



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State and Local Recommendations

- Disclose energy information in commercial buildings at time of sale or rental in residential buildings
- Promote, improve, and develop technical training curricula
- Incorporate energy management and productivity curricula in higher education
- Heighten consumer awareness, understanding, and motivation



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Private Sector Recommendations

- The Alliance to Save Energy should convene a consortium of:
 - financial institutions
 - rating agencies
 - energy efficiency program evaluators
 - others in the private sector
- Goal should be to help federal agencies foster a secondary market for energy efficiency finance obligations



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Private Sector Recommendations

- The International Code Council and American Society of Heating, Refrigerating, and Air-Conditioning Engineers should steadily increase the energy efficiency of their model building energy codes
- PUCs should develop rules and procedures that enable customers to access their energy usage data and to authorize third parties to access their data



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Private Sector Recommendations

- Manage energy use and report as part of corporate sustainability reporting
- Develop technical curricula to include energy efficiency technologies and practices
- Incorporate energy management and productivity into secondary and higher education curricula
- Heighten consumer awareness about energy efficiency
- Promote collaboration between governments, companies, NGOs, media, and educational institutions



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Impact

America could save

\$327 BILLION
IN 2030

\$97 BILLION in Buildings



\$139 BILLION in Transportation



\$94 BILLION in Industry



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Impact of Recommendations

TO GOVERNMENT THIS MEANS



The government is saving taxpayers

\$13 BILLION

\$13 Billion is equivalent to the budgets of the Coast Guard + National Park Service combined



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Impact of Recommendations

TO HOUSEHOLDS THIS MEANS



Cuts household energy spending by **\$241 billion**



\$1,039 / year per household

Energy Savings

could pay off all existing American household credit card debt



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Impact of Recommendations

TO OUR COUNTRY THIS MEANS



A CLEANER ENVIRONMENT

Decrease U.S. CO₂ emissions to 4 billion metric tons - 33% less than 2005



GREATER SECURITY

Reduce energy imports by over \$100 billion



STRONGER ECONOMY

The U.S. could add 1.3 million jobs and boost GDP by up to 2%



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Thank you!

Peter R. Smith

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www.energy2030.org

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