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## Estimating the Jobs Impacts of *TACKLING CLIMATE CHANGE*

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LEADING THE RENEWABLE ENERGY REVOLUTION



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### Background on Green Jobs Reports

- This the fourth study the American Solar Energy Society has produced on the green economy - including three state specific studies for Ohio, New York and Colorado
- Our 2007 work focused on TOTAL number of green jobs:
  - More than 9 million employed
  - \$1.045 Trillion of industry revenue
  - More than \$100 billion in corporate profit
  - More than \$150 billion in federal, state and local tax revenue



## Estimating Net Jobs from Tackling Climate Change

- This work is based on our 2007 landmark work: *Tackling Climate Change in the U.S.: Potential Carbon Emissions Reductions from Energy Efficiency and Renewable Energy by 2030.*
- Study goal to focus on the NET jobs realized if we transition to the low-carbon economy -- realizing that some jobs in high-carbon industries will be lost.
- All of our studies underscore that energy efficiency is the largest source of jobs. However it declines in the later years to economy-wide improvements in efficiency



## Estimating Net Jobs from Tackling Climate Change

Occupational data from all four studies demonstrate:

- Broad variety of jobs
- Distributed throughout the U.S. economy
- Higher than average pay
- Cannot easily be outsourced



## Occupations that benefit most

(in order of increased numbers)

- Construction
- State and local government
- Farms
- Professional, scientific and technical services



## Types of Employment

Standard Jobs:

- Accountants
- Engineers
- Truck Driver
- Computer Analyst
- Mechanics
- Clerks



## Challenge of Leadership

- The roadmap has been presented
- If we fail to take up the road, we will lose ground to other nations in the global marketplace for who will export the low carbon energy technology
- Vast majority of Americans want a transition to the low carbon economy



## SUMMARY

- The promise of Tackling Climate Change is substantial reductions of carbon emissions
- Broad deployment of Energy Efficiency and Renewable Energy is more than a source of electricity, fuel or energy savings it is a source of huge numbers of American jobs



## Conclusion

This report is timely because it addresses two of the most pressing challenges U.S. policymakers face—rebuilding an economy battered by recession and mitigating climate change. A key strategy for rebuilding the economy is creating jobs, and a key strategy for mitigating climate change is reducing U.S. carbon emissions. The ASES/MISI study demonstrates that aggressive deployment of RE&EE helps solve both these challenges.



Both Full Report and Highlight Report are available as a free download at [www.ases.org/greenjobs](http://www.ases.org/greenjobs)



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THANK YOU!

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