

Renewable Energy Best Practices in Promotion and Use for Latin America and the Caribbean



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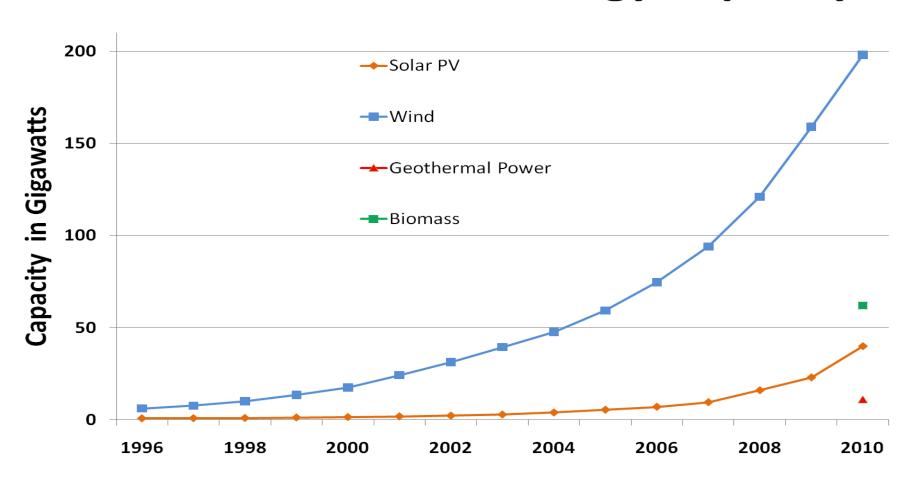








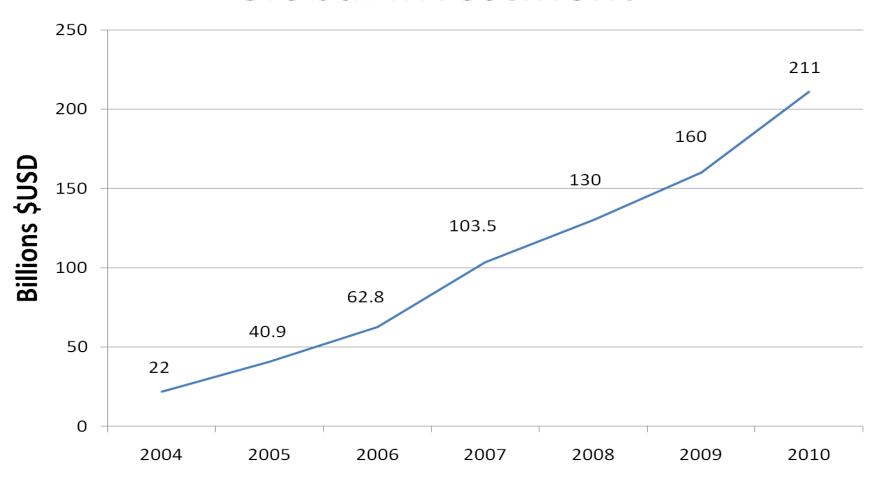
Global Renewable Energy Capacity



Source: REN21. 2011. Renewables 2011 Global Status Report (Paris: REN21 Secretariat).



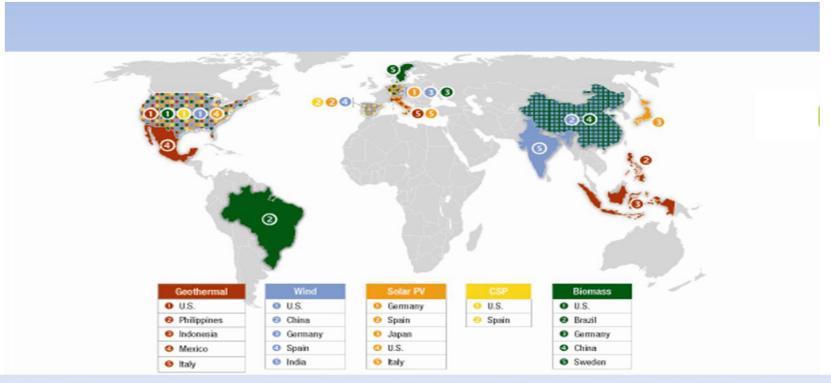
Global Investment



Source: REN21. 2011. Renewables 2011 Global Status Report (Paris: REN21 Secretariat).



Top Countries with Installed Renewable Electricity by Technology (2009)



Source: Gelman, R., Kubik, M., and Buchanan, S. Washington, D.C., USA. 2010. "2009 Renewable Energy Data Book." National Renewable Energy Laboratory. http://www.nrel.gov



Energy in the US



- Renewable energy accounted for 11% of all energy in 2010
- \$30 billion USD investment in renewable energy
- 31% of California's energy is renewable





Energy in LAC

Latin America

- Net exporter of oil
- Has 9.7 % world's proven oil reserves
- 29% of total energy supply is renewable

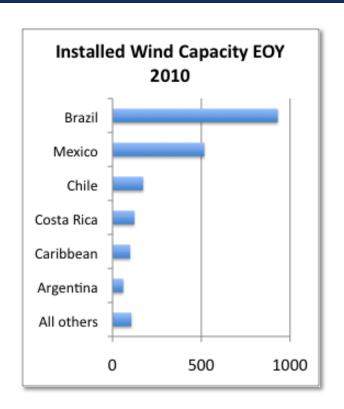
Caribbean

- 93% of energy consumed from petroleum
- 97% electricity from fossil fuels
- Electrical costs:
 - Trinidad & Tobago: \$0.20 per kWh lowest
 - Barbados: \$0.38 per kWh highest

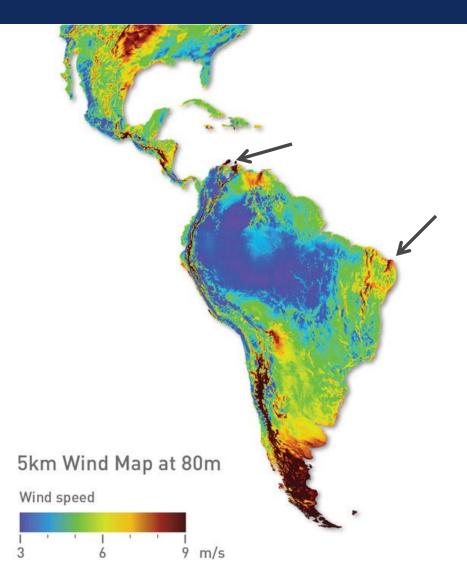
Population: 590,000,000

~8% of population lacks access to electricity

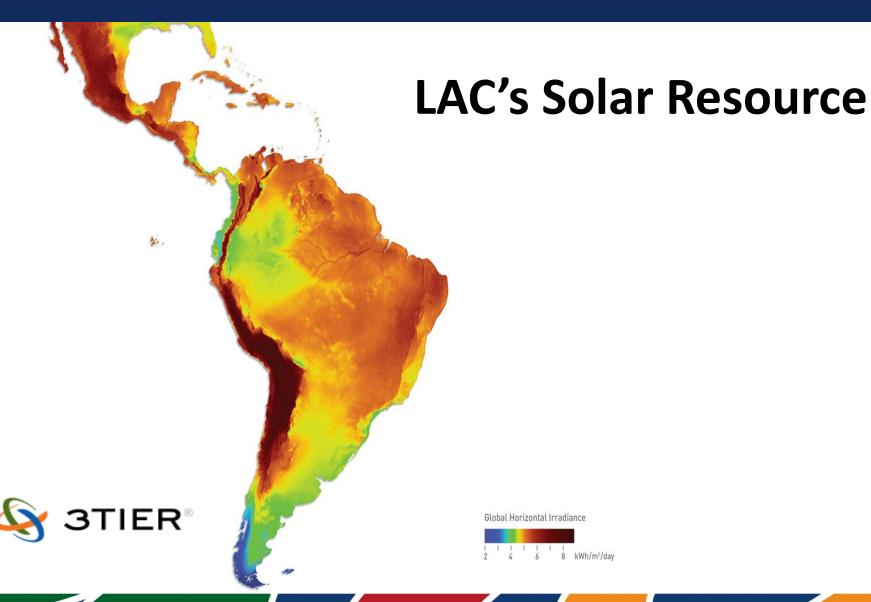






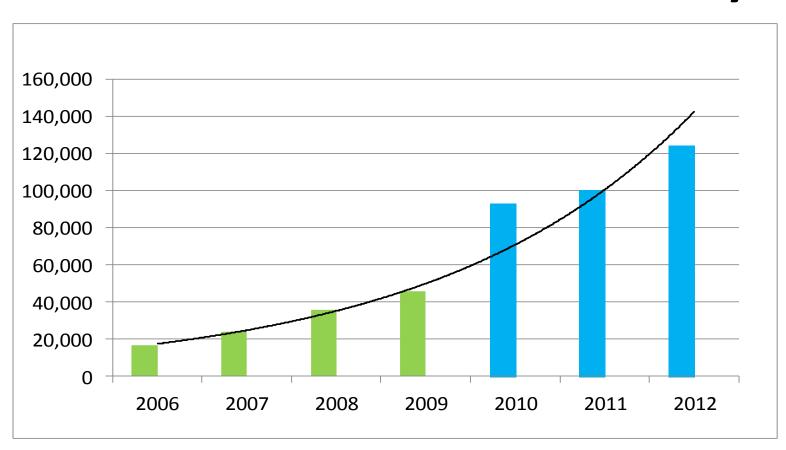








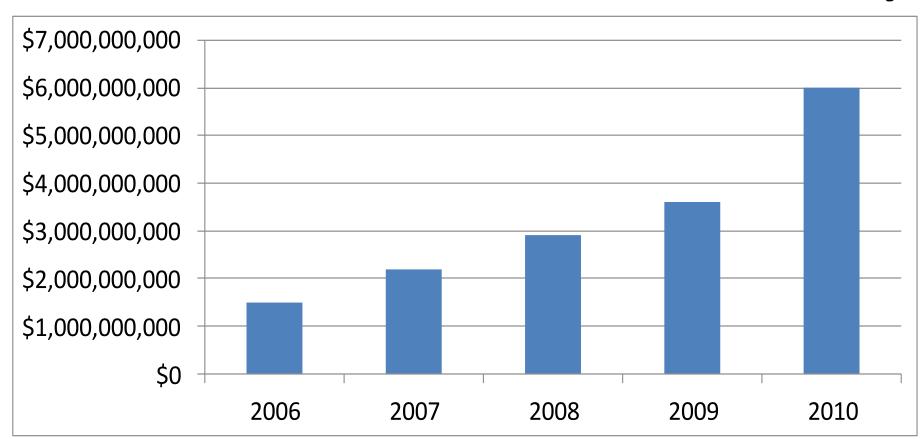
Job Creation: US Solar Industry



Source: Green columns are estimates from the Solar Energy Industries Association. Blue columns are from The Solar Foundation's National Solar Jobs Census 2010 and 2011 reports.



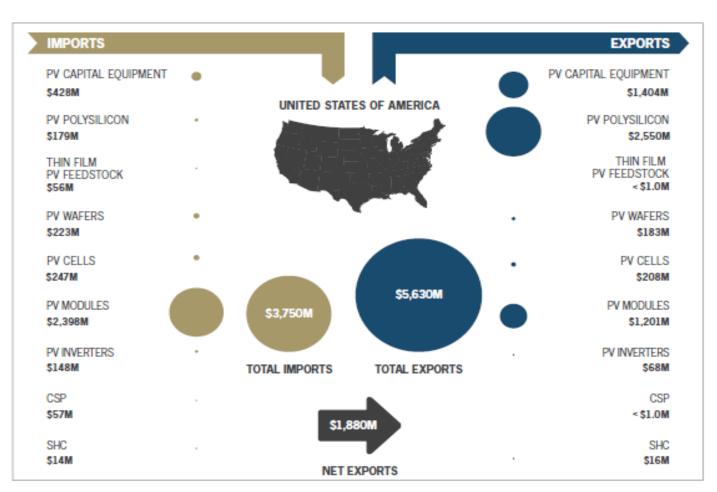
Revenue Generation: US Solar Industry



Source: SEIA/GTM Research - 2010 Year in Review Report http://www.seia.org/galleries/pdf/SMI-YIR-2010-ES.pdf SEIA/GTM Research - 2009 year in Review Supplemental Charts



Export Opportunities: US Solar Industry



Source: GTM Research, US Solar Energy Trade Assessment 2011



Offset Energy Costs

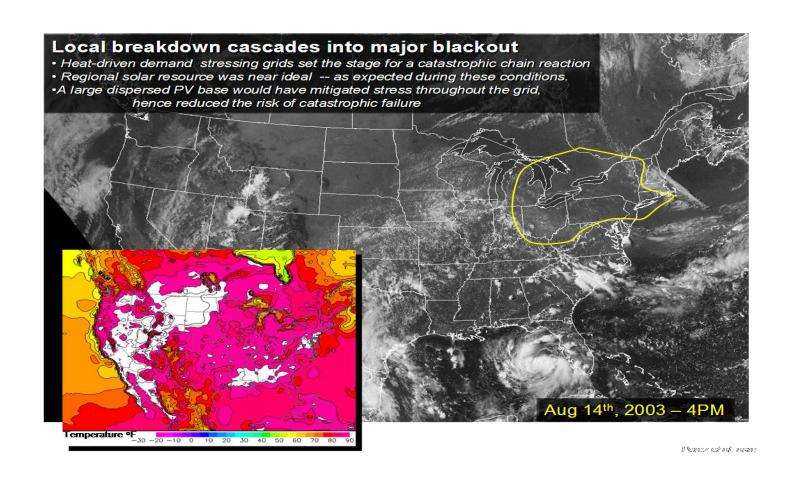


Manlius School System, Illinois 660 kW wind turbine

\$100,000 savings per year tons of CO2 offset per year

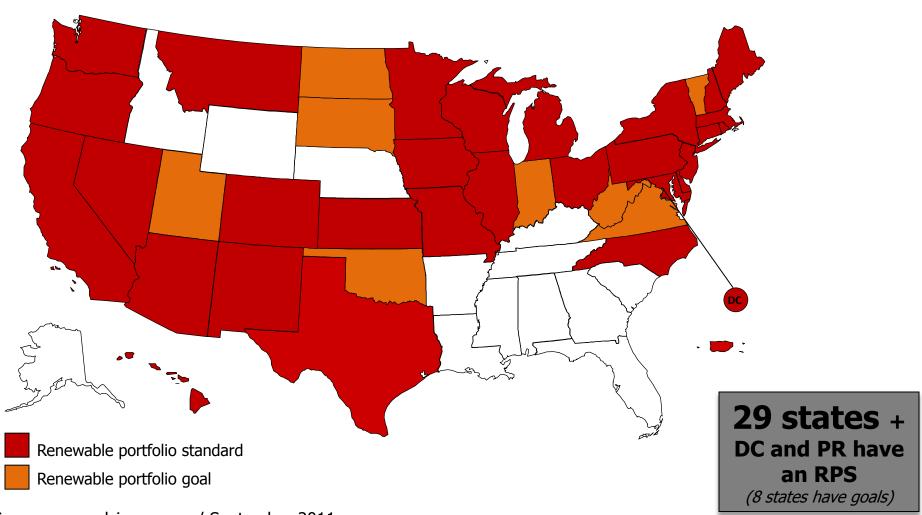


Strengthen Energy Infrastructure



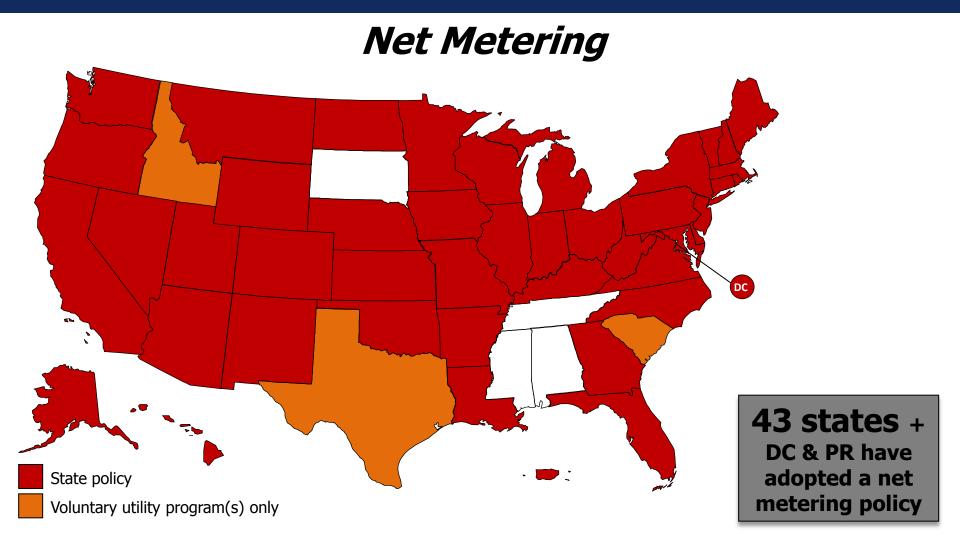


RPS Policies



Source: www.dsireusa.org / September 2011

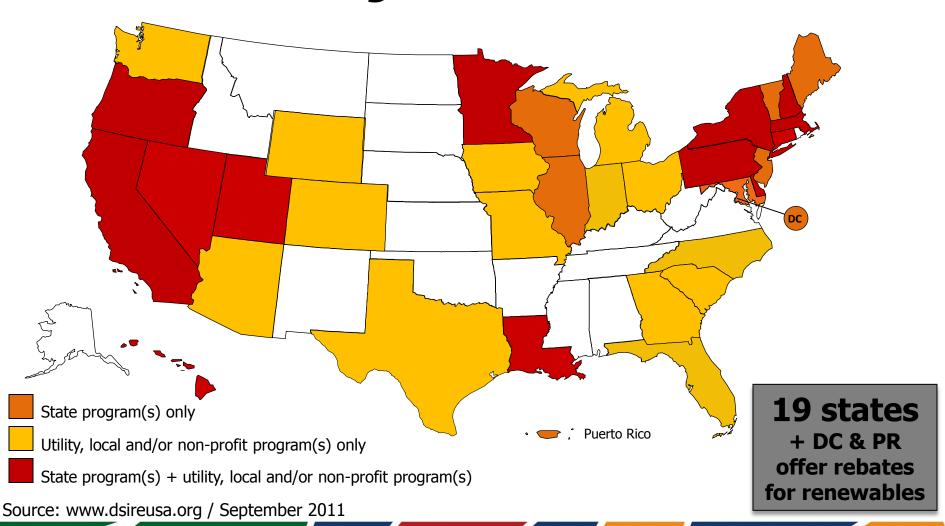




Source: www.dsireusa.org / September 2011

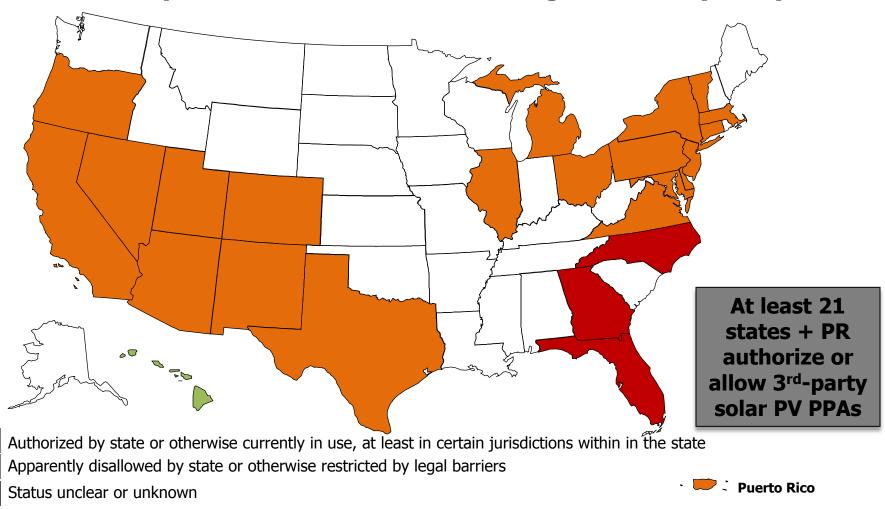


Rebate Programs for Renewables





3rd-Party Solar PV Power Purchase Agreements (PPAs)



Source: www.dsireusa.org / July 2011



Recommendations

- Create transparent public/private advisory committee
- Conduct needs assessment
- Establish realistic renewable energy targets
- Monitor and track performance
- Launch public education campaign
- Encourage private investments via smart policies
- Collaborate with neighbors to ensure policy uniformity
- Long-term policy certainty is key



Thank you

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