

Solar Market Transformation Conference 2010

October 29, 2010
Normal Theater, Normal, IL

Kate Tomford

Illinois Energy Office, Illinois Department of
Commerce & Economic Opportunity

Keynote Address: State Renewable Energy Policy
8:45 AM

Renewable Energy in Illinois: Policies and Programs

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Why Promote Renewable Energy in Illinois?

Environmental benefits

- Diversifies Illinois generation to reduce dependence on fossil fuels
- Reduces statewide greenhouse gas emissions

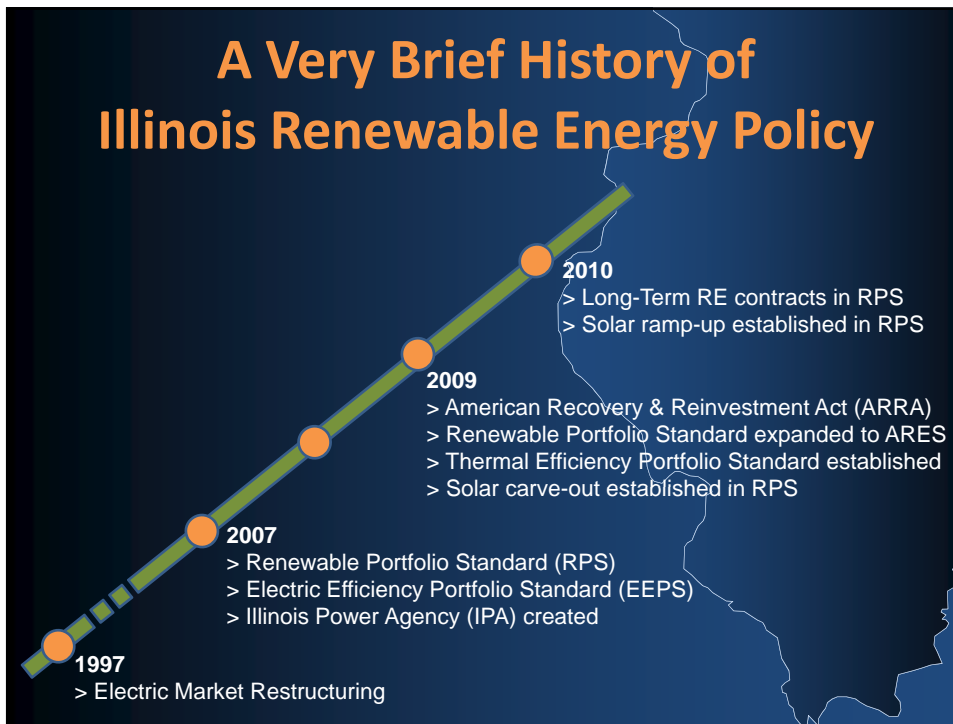
Consumer benefits

- Hedges against likely future volatility in fossil fuel prices
- Hedges against likely future costs of greenhouse gas emissions
- Complements efficiency programs as a tool to help consumers mitigate higher energy costs

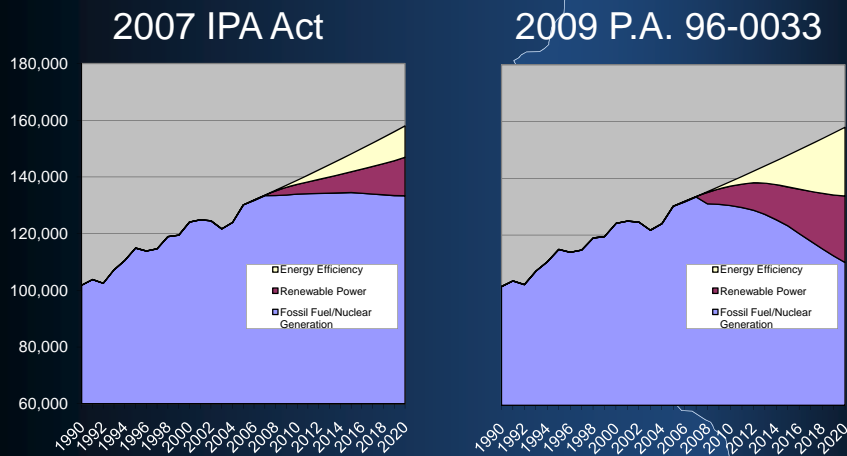
Economic benefits

- Generates economic growth
- Retains and creates quality jobs
- Leverages Illinois' competitive advantages in transmission infrastructure, transportation infrastructure, skilled workforce in manufacturing, research institutions.

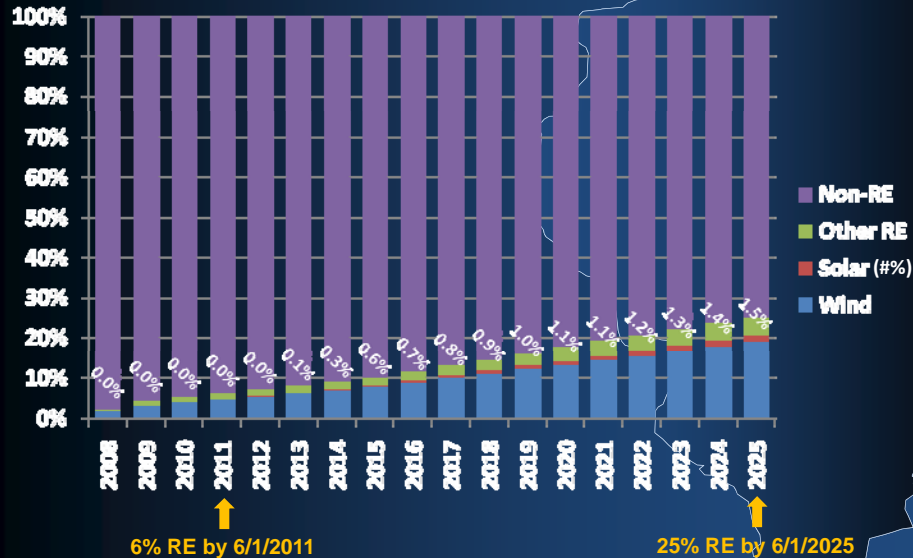
A Very Brief History of Illinois Renewable Energy Policy



Electricity Sources and Savings (million kWh)



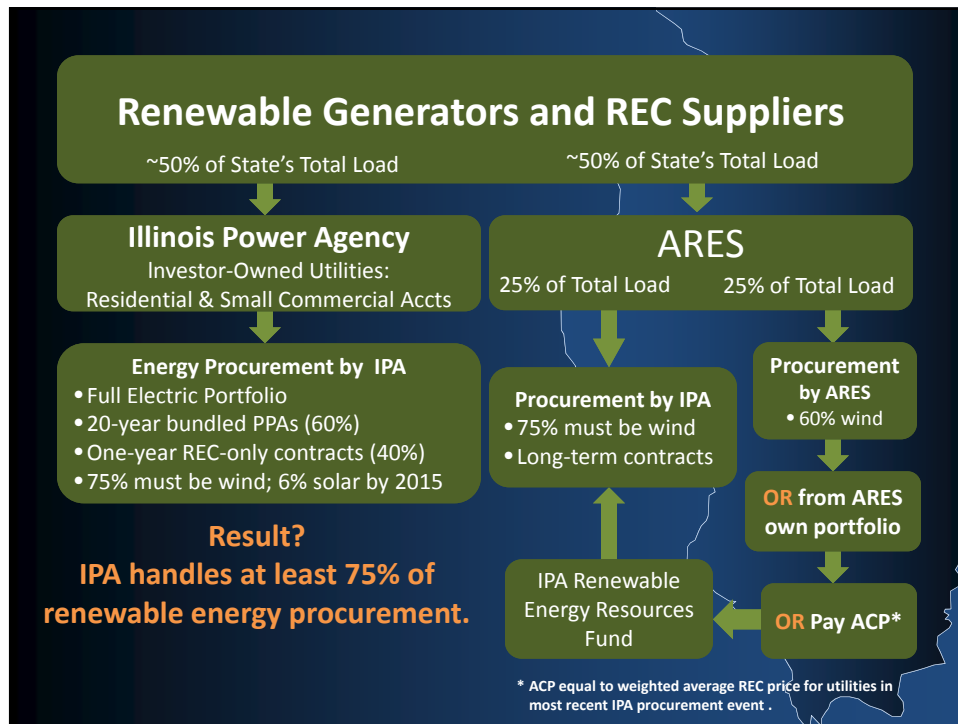
Illinois Renewable Portfolio Standard



Illinois Power Agency (IPA)

- Procures all power for investor-owned utilities (ComEd & Ameren)
- Procurement events held annually (spring)
- Procurement plan and results require approval by the Illinois Commerce Commission (ICC)
- Administers the RPS; procures renewable energy
- Procures renewable power in long-term PPAs beginning 2010
- Collects Alternative Compliance Payments (ACPs) for Alternative Retail Electric Suppliers (ARES)

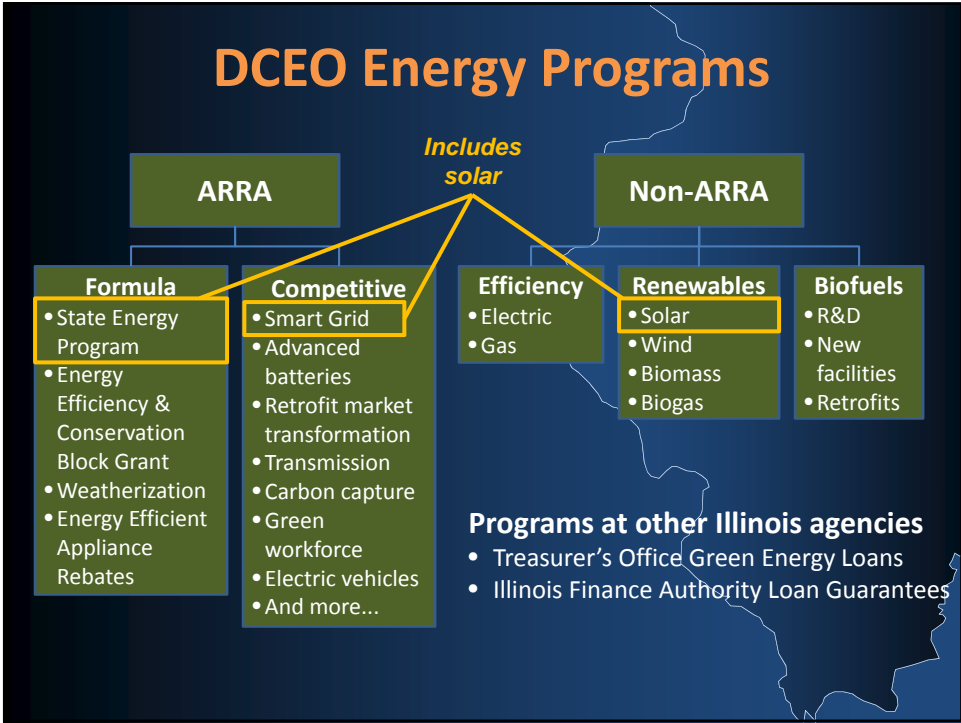
www.illinois.gov/ipa



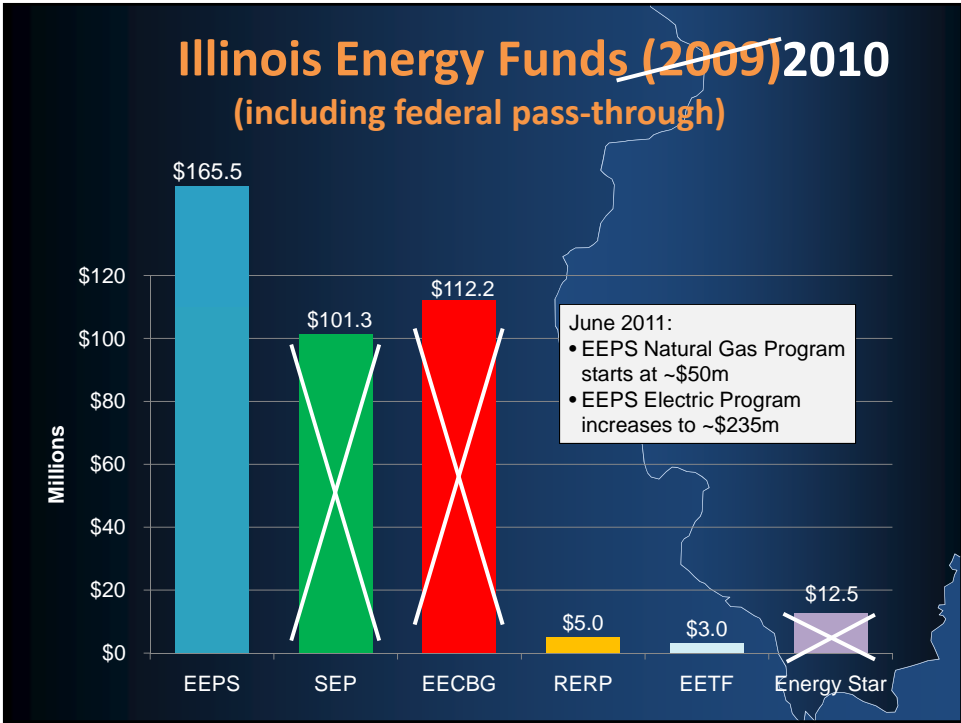
Long-Term PPAs under the RPS

- A priority of the Quinn Administration
- Supported by many RE industry groups and members
- Integrated into the IPA's procurement plan in Fall 2009
- Approved by the ICC in December 2009
- 20-year bundled PPAs (power and RECs)
- First procurement event currently in process
- Bidders must pre-qualify
- IPA will also solicit one-year, REC-only contracts

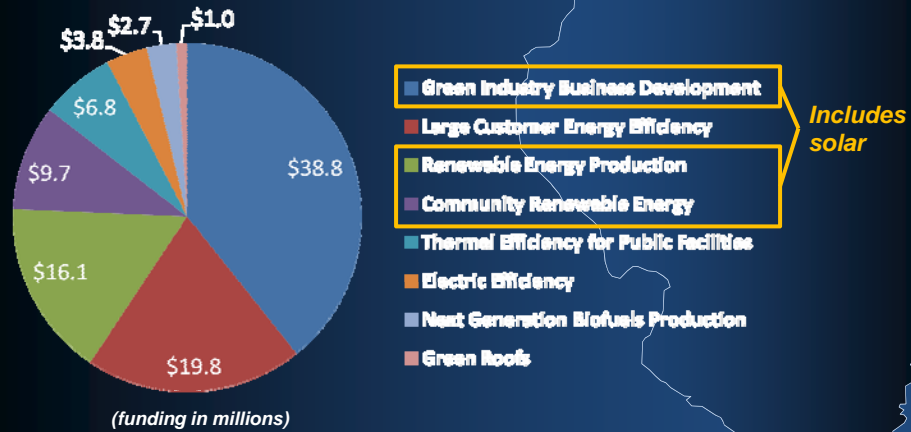
DCEO Energy Programs



Illinois Energy Funds (2009)2010 (including federal pass-through)



Illinois State Energy Program (SEP) under ARRA



SEP Funded Solar Projects

EpiWorks

- \$2.5m Green Industry Business Development grant from DCEO
- Facility at 1606 Rion Drive in Champaign
- Expanding photovoltaic wafer production capacity
- Increasing production to 120 MW of PV/solar cell wafers annually with ability to scale total production capacity to 300 MW annually



<http://grantracker.ildceo.net>

SEP Funded Solar Projects

Rockford Solar Project

- Joint venture: Wanxiang & New Generation Power
- \$4m Renewable Energy grant from DCEO
- Supports initial 28MW of a new 62 MW PV facility
- Largest solar field development in the Midwest



United Displaycraft

- \$277k Community Renewable grant from DCEO
- 153kW rooftop solar PV system installed
- Facility at 333 E. Touhy Ave. in Des Plaines
- Installation by Solar Services, Inc. in Niles
- Electricity serves the facility's own energy demand



<http://grantracker.ildceo.net>

Renewable Energy Resources Program

- Solar Rebate Program
- Wind Rebate Program
- Rebates up to \$50,000
- 30% of project costs for residential/business
- 50% of project costs for non-profit/public sector
- Program guidelines in Nov. 2010 (anticipated)



www.IllinoisEnergy.org



Illinois Clean Energy Community Foundation

- Small-scale solar PV systems at K-12 schools or other children's educational facilities
- Building-integrated solar PV systems or other renewable energy systems toward LEED
- Projects demonstrating market viability of solar, thermal, biomass, fuel cells or emerging renewable technologies
- Community-based wind generation for on-site energy
- Programs designed to develop consumer demand and training to advance renewable energy in Illinois



www.IllinoisCleanEnergy.org

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www.illinois.gov/ipa

www.icc.illinois.gov

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