

# 2016 Illinois Renewable Energy Conference

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# Department of Commerce & Economic Opportunity

Business Development	Community Development
Employment & Training	Entrepreneurship, Innovation & Technology
Energy Assistance	<b>Energy &amp; Recycling</b>
Film	Tourism
Trade & Investment	Urban Assistance

Alternative Fuels	Clean Tech
Composting	Electric Vehicles
Energy Efficiency	Energy Storage
Recycling	Renewable Energy

# Energy & the Illinois Economy

Energy & the environment are critical to the State's economy



## *Jobs*

*White collar – e.g., energy service performance contract managers, project engineers, plant operators*

*Blue collar – e.g., weatherization contractors, linesman, plant assembly workers*

*Sectoral clustering*

## *Economic Development*

*Key: Avoided costs – e.g., energy, materials*

*Marketing & reputation*

*Effects property values & tourism*

*Indirect impacts of the choices we make*

# Growing the State's Clean Energy Economy

How do you think your utility's fuel mix will change over the next 20 years?				
	Stay the same	Increase	Decrease	N/A
Natural Gas	14%	74%	7%	5%
Wind	17%	72%	4%	7%
Utility-scale solar	12%	79%	2%	8%
Hydro	62%	15%	8%	15%
Coal	9%	3%	77%	35%
Nuclear	35%	16%	21%	27%
Oil	17%	3%	45%	11%
Distributed energy resources	5%	84%	2%	9%

*State's energy mix will continue to rely on all energy sources – fossil, nuclear, and clean energy*

*Opportunities for growth in clean energy*

- *Utilities & investors are heading in this direction*
- *This will only increase with new and emerging Federal standards*
- *Illinois has regional competitive advantages*



# Vision

Grow the State's economy by leading the Midwest and nation as a clean energy & environmental leader



*Make our existing programs better by managing for results*

*Get a bigger bang for the State's buck by designing programs that leverage public dollars with private investment through clean energy finance*

*Supporting and attracting Illinois businesses by better marketing our energy resources & planning for Illinois' long-term energy future*

# Today's Topics

State Budget

Illinois Energy Roadmap

Clean Energy Finance

Business Outreach Strategy

Tapping into New Resources

Other Opportunities in the Renewables Value Chain



# State Budget

On June 30<sup>th</sup>, a temporary budget deal, which included significant funding for energy – unfortunately, Illinois continues to face an unprecedented budget crisis



*No funding for the Renewable Energy Resources Program but. . .*

*\$125M for energy efficiency programs*

*\$18M for federally-supported energy programs*

- *USDA-funded Illinois Biofuels Infrastructure Program*
- *DOE-funded State Energy Program*
  - *Illinois Energy Roadmap*
  - *Illinois Energy Innovation Fund*
  - *Illinois Clean Tech Fund*



# Illinois Energy Roadmap

State lacks a cohesive approach to meeting energy goals → consider future direction of the energy sector in Illinois, particularly EE & RE, and identify what near- and long-term actions should be taken



*Interagency Advisory Group has been meeting since June 2015*

*Completed first round of baseline modeling and published the Goals Status Report in February 2016*

*Conducted first round of stakeholder process, with written comment period and two in-person meetings in March 2016*

*Next steps: second round of modeling, Policy Review Report, and Energy Roadmap*

# Clean Energy Finance

Across the U.S., states are using financing programs, to support the deployment of clean energy, while stretching limited public dollars



## *Finance gap analysis*

- *Completed in early FY16, key areas of opportunity included: public sector EE, residential solar, residential & commercial EE*

## *Residential solar pilot*

- *Completed design phase in FY16, with support from ISEA and the solar industry*
- *Pilot will be launched in FY17*

## *Potential state facility energy efficiency pilot*

## *Partnering with fellow State agencies*



# Business Outreach Strategy

Develop a coordinated and cohesive strategy, so that our Office better supports energy companies access DCEO resources in other shops, and non-energy companies access our Office's resources



*Not starting from scratch – since 2014, Office has partnered with the Clean Energy Trust to offer the Illinois Clean Tech Fund*

*Have begun meeting with key DCEO offices: BD (including Team RED), EIT, and E&T*

*Have identified many opportunities for collaboration*

*Now need to prioritize and implement*

# Tapping Into New Resources

Given the State's current budget climate, identifying new resources to support the renewable energy industry is also a key priority



## *Federal funding opportunities*

- *U.S. Department of Energy*
- *USDA – REAP, EECLP*

## *Technical assistance resources*

- *National Renewable Energy Laboratory*
- *Small Business Vouchers Pilot*

*Educational institutions – CRE, ISTC, SEDAC, ERC, IGEN*



# Opportunities in the Renewables Value Chain

Solar finance pilot development also identified other potential renewable activities, for consideration, pending funding availability



*Develop a state-supported “GoSolar”-like website*

*Work with partners to grow and strengthen the renewables workforce (e.g., monitor installer quality, ethics, and complaint remediation; train and educate inspectors)*

*Identify best practices for interconnection and permitting*

*Build a more robust dataset of Illinois renewables projects*

*Support bulk purchasing programs*

# Thank You!



**Illinois**  
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Bruce Rauner, Governor