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Protecting the Midwest's Environment and Natural Heritage

# **Illinois Future Energy Jobs Act**

## **Renewable Energy Opportunities**

Brad Klein

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# The Future Energy Jobs Act

SB 2814 / Public Act 99-0906

<http://www.ilga.gov/legislation/publicacts/99/PDF/099-0906.pdf>



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- What's in?
  - Renewable Energy
  - Energy Efficiency
  - Nuclear
- What's out?
  - Coal
  - Demand charges
  - Microgrids / Electric Vehicles



## Elements of RPS “Fix”

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- Long-term planning
- Stable, secure budget (~\$200M/year)
- “New build” for wind/solar
- New programs:
  - Utility scale procurements
  - Distributed Generation
  - Community Solar
  - “Solar for All” (Low-income solar)

# Illinois RPS Post FEJA

RPS: 25% of Energy from Renewables by 2025

75% Wind or PV

Remaining 25%

2-4 MM annual  
RECs fr new wind

2-4 MM annual  
RECs fr new solar

50+%

40+%

2+%

Adjustable Block

Utility

Brownfield

25+%

25+%

25+%

Small DG

Large DG

Community

New  
Build

To count towards  
RPS requirements

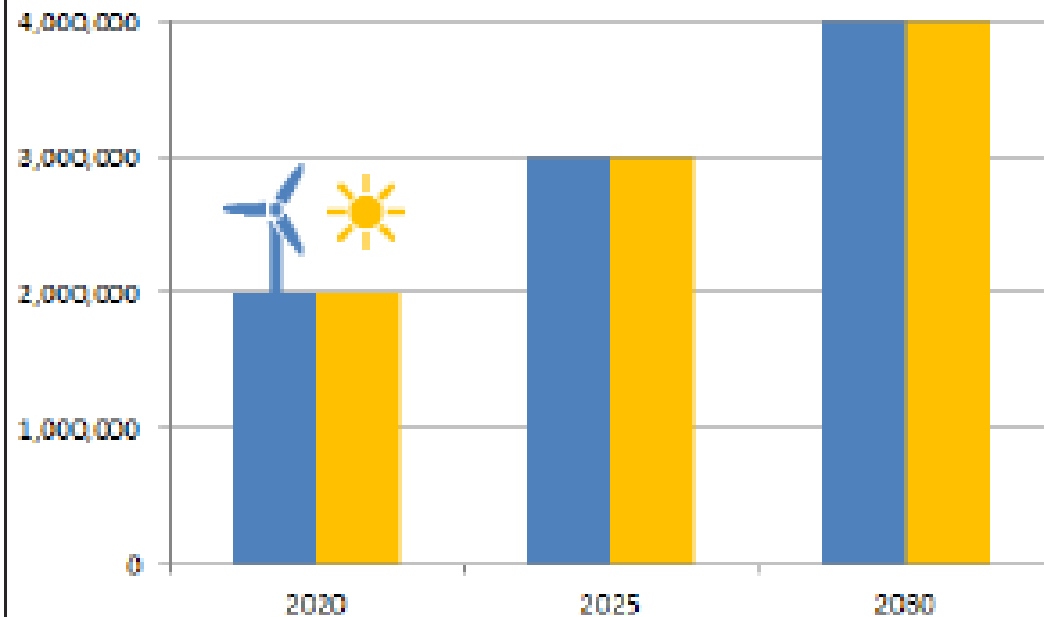
IL Solar For All\*  
(Low Income Solar)

\*Separate job training.



# New Wind/Solar Requirements

Annual Renewable Energy Credits  
Procurement Requirements

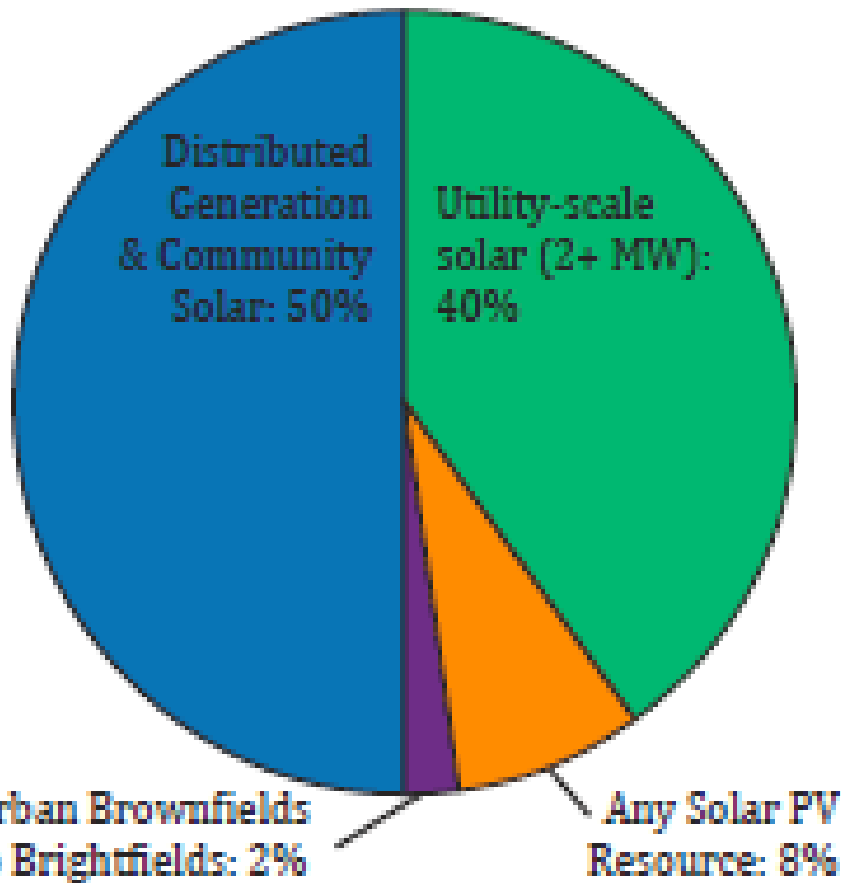


Here are estimates of the amount of new wind and solar required by the new build targets:

Year	New Wind (MW)	New Solar (MW)
2020	650	1,350
2025	1,000	2,000
2030	1,350	2,700



# New-Build Solar Carve-Outs



## Rough Estimates of Capacity Required

Year	DG/CS (MW)	Utility (MW)	Brown (MW)	Any (MW)
2020	675	540	27	108
2025	1,000	800	40	160
2030	1,350	1,080	54	216

# Initial Utility Scale Wind/Solar

20 ILCS 3855/1-75(c)(1)(G)



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- Projects > 2 MW
- Competitive procurements
  - First procurement in **August 2017**
  - Likely three total before June 2018
- REC-only contracts (“unbundled”)
- 15-year REC contracts
- Targeting 1 million annual RECs from wind/solar respectively:
  - new utility scale wind: 325 MW
  - new utility-scale solar: approx. 600 MW
- Delivery window June 2019 to June 2021
- Separate brownfield solar category is likely
- **Co-op and muni projects eligible!**



# DG / Adjustable Block Program

20 ILCS 3855/1-75(c)(1)(K), (L), and (M)

- Separate carve-outs for:
  - small DG (< 10 kW)
  - large DG (10 kW to 2 MW)



- Procured through “adjustable block program”

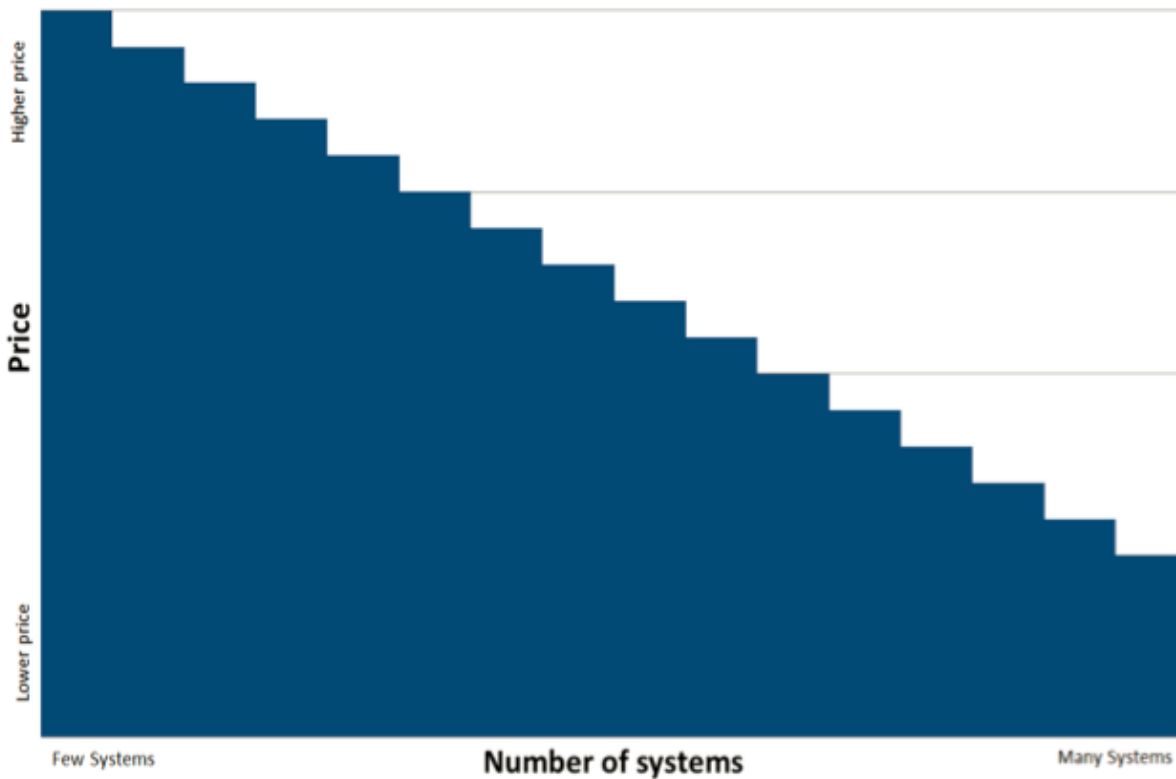




# DG / Adjustable Block Program

20 ILCS 3855/1-75(c)(1)(K), (L), and (M)

Example of a Declining Block Program



- Separate “tranches” for:
- DG under 10 kW
  - DG up to 2 MW (subcategories possible)
  - Community Solar

Contract / payment terms allow for up-front payments for 15-year stream of RECs

# Community Solar

20 ILCS 3855/1-75(c)(1)(N)



**Opportunities to host, anchor and subscribe!**

# “Solar for All” (Low-Income) Program

20 ILCS 3855/1-56



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- **Lower bills for low-income members/customers**
- **Job training pipeline for environmental justice communities**