



## ISEA Policy Webinar

Illinois Renewable Portfolio Standard Review  
December 13, 2016

# Future Energy Jobs Bill Summary

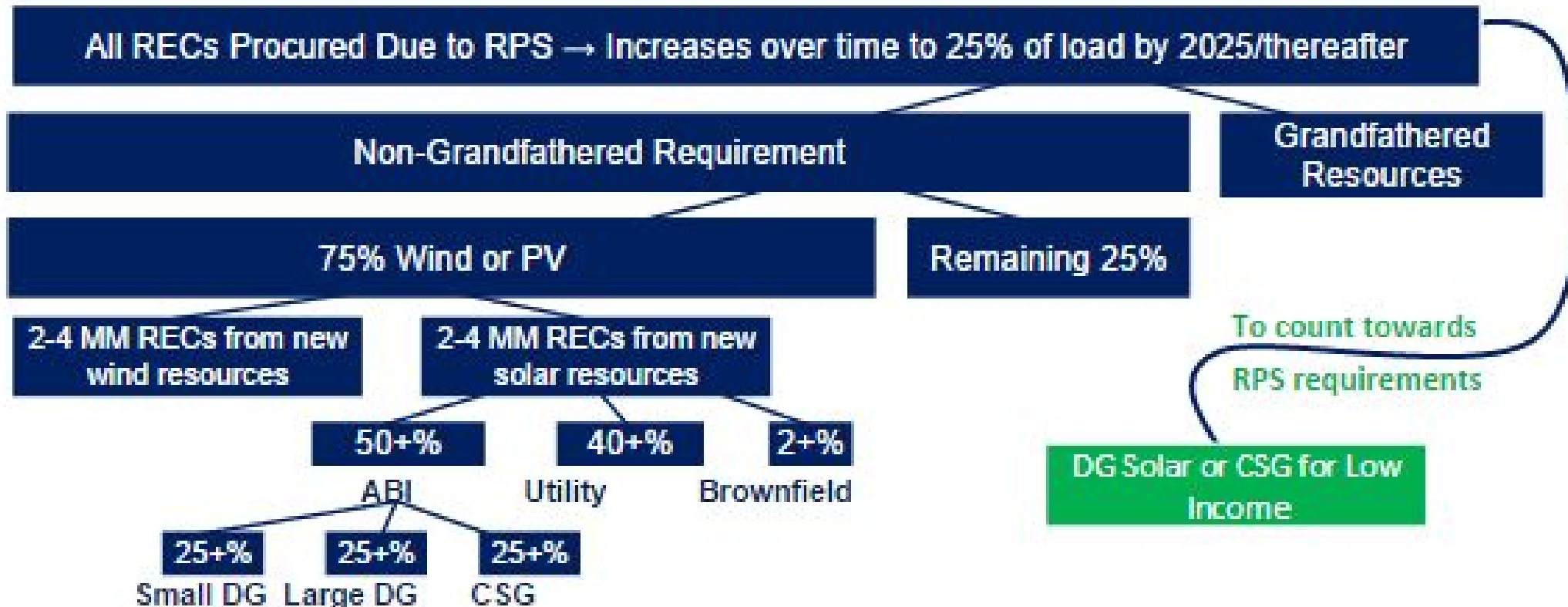


- Creates IPA Long Term Planning Process
- \$200M annually from Lines Charge (3 year phase-in/phase-out ARES)
- Effective Date June 1, 2017 (Implementation late 2017/early 2018?)
- Initial Utility Scale procurement (1:1 wind goals)

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

\* Currently 55 MW installed Renewable Energy

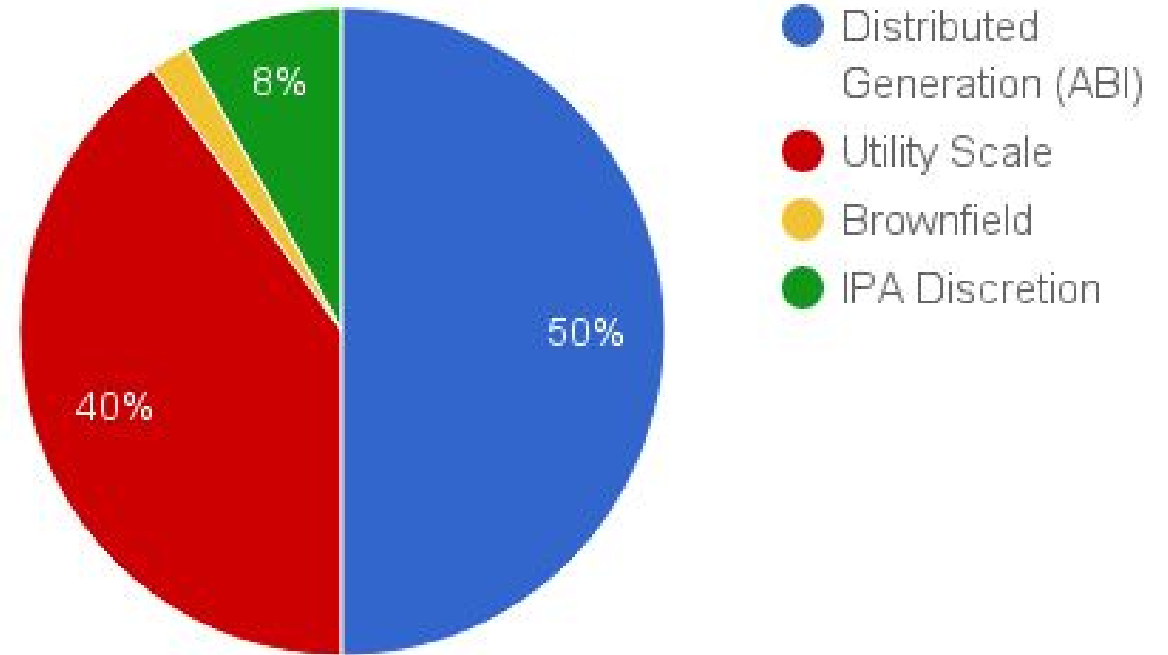
# Illinois RPS Carve-Outs



ABI = Adjustable Block Incentive    DG = Distributed Generation (behind the meter, up to 2 MW AC)  
 Small DG = ≤ 10 kW    CSG = Community Solar Garden (up to 2 MW AC)

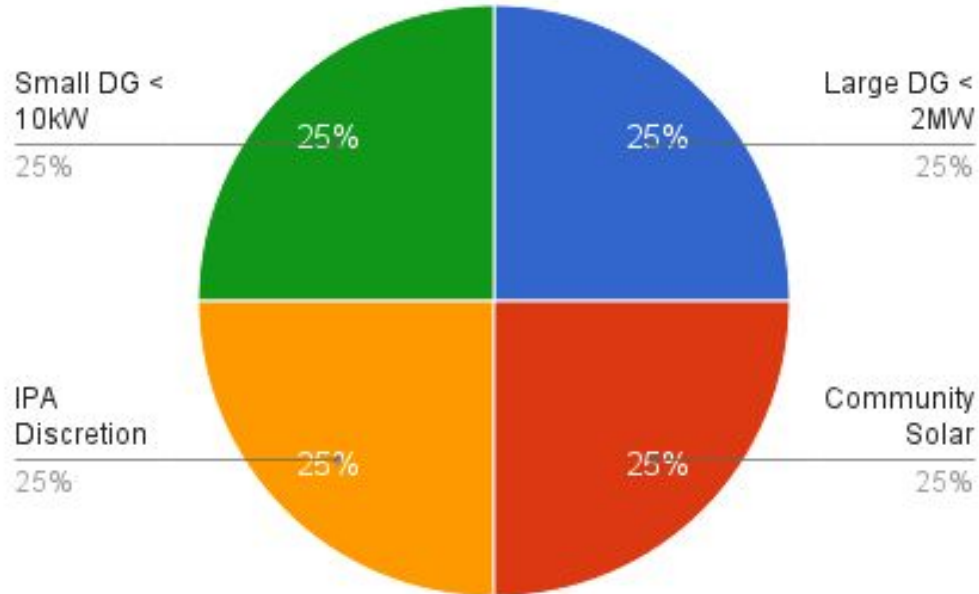
# 2-4 MM RECs from New Solar Resources

New Build Targets	
Year	Solar
2020	1,350 MW
2025	2,000 MW
2030	2,700 MW



# Adjustable Block Incentives

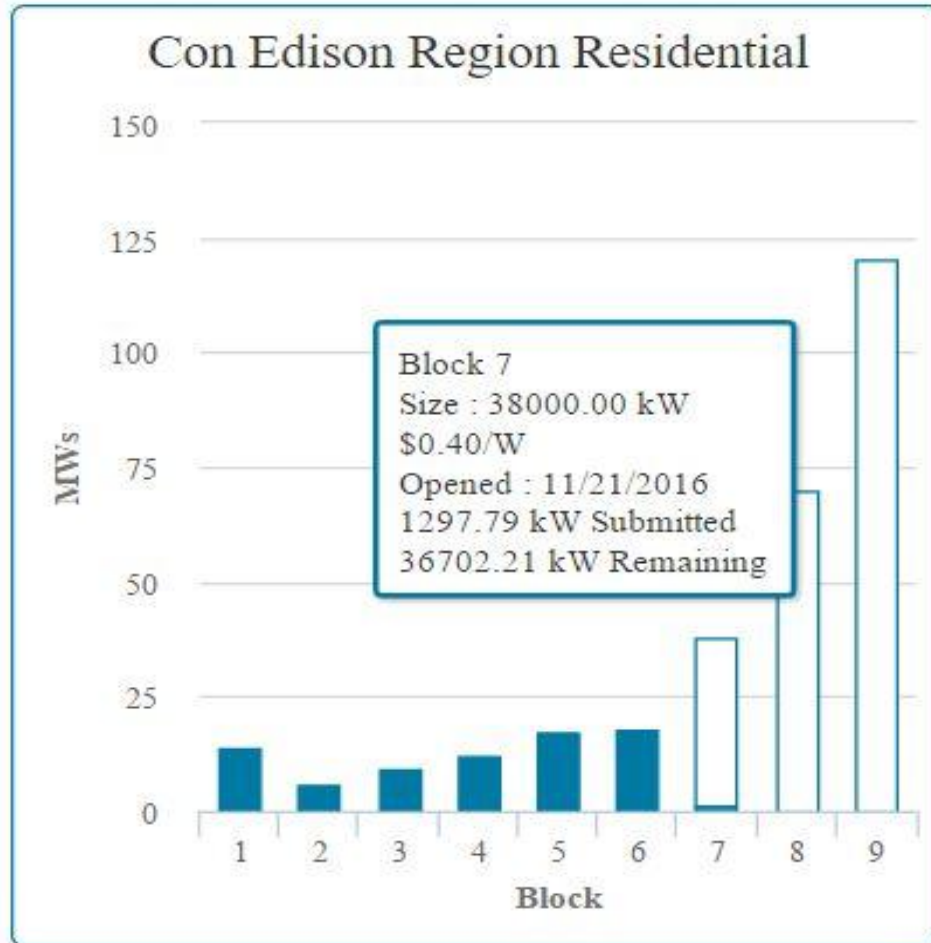
## Adjustable Block Program (DG Systems)



## Renewable Energy Credit (REC)

- Small DG <10kW
  - 15 Year REC
  - Paid upfront
- Large DG (10kW to 2,000 kW)
  - 15 Year REC
  - 20% paid upon completion, balance over 4 years
- Community Solar (<2,000 kW)
  - 15 Year REC
  - 20% paid upon completion, balance over 4 years

# Adjustable Block Program - example



**Con Edison Residential Block Structure**

BLOCK	MEGAWATTS	INCENTIVE/WATT
1	14	\$1.00
2	6	\$0.90
3	9	\$0.80
4	12	\$0.70
5	17*	\$0.60
6	18	\$0.50
7	38	\$0.40
8	70	\$0.30
9	120	\$0.20

\*Revised 12/30/2015

# Customer Billing Unchanged!



**Demand Charges!**



**Retail Net Metering!**

- Demand Charge Language - dropped from legislation
- Net Metering - no change from today's guidelines
  - Existing Systems grandfathered at full retail NEM for life of system
  - New Systems -
    - Study triggered at 3% "total peak demand"
    - Switches to energy only for new customers at 5%
  - Community Solar - energy only net metering

# Creates DG Rebates for Non-NEM Systems

- Requires utility to offer rebates to qualifying DG\* and community solar projects (with Smart Inverter)
  - Rebate Value = \$250/kW installed
  - Payable upfront
  - Utility can rate base rebate costs
- Utility permitted to control inverter for grid reliability and potentially other grid services,
  - subject to fair compensation through a tariff reviewed and approved by the commission\*\*
- Upon reaching 3% NEM penetration, the ICC to study new rebate value based on locational value
- Upon reaching 5% NEM penetration, new locational value shall take effect

\* Non-NEM Customers (ComEd >100kW peak demand, Ameren >150kW peak demand)

\*\*See Section detail for complex terms and options governing the relationship of DG rebates, net metering, and community solar.



# Adjustable Block Incentives - Summary



Category	Goal	NEM	REC	Rebate
Small DG <10kW	25%	No Change	15 Year Contract Paid upfront	n/a
Large DG 10kW – 2MW	25%	No Change	15 Year Contract 20% when energized Balance over 4 Years	C&I =\$250/kW Paid upfront
Community Solar <2MW	25%	Energy only	15 Year Contract 20% when energized Balance over 4 Years	\$250/kW Paid upfront
IPA Discretion <2MW	25%	Based on Category	Based on Category	Based on Category

- Systems up to 2MW
- <40% single subscriber
- 200W minimum subscriber
- Located in same utility service area
- Subscriptions portable & transferable

### 3 Value streams:

- Value of Energy created
- REC from ABI
- Rebate (\$250/kw)



# Solar for All Program



- Provides annual funding (\$10M to \$20M/year)
- Includes Low-Income Job training & a pathway for job placement
- Assures funding for Low-Income solar installations
- Success evaluated and adjusted through IPA long term planning