



**Fox Valley Sustainability Network:
Solar Opportunities for
Community Institutions**

Local Projects Progressive has been Project Developer / Consultant



Water Treatment Facility City of Plano, Illinois
Annual Production = 1.3 million kWh/year
Lifetime Production = 32.5 million kwh's



Fox Metro Water Reclamation District
Annual Production = 3.3 million kWh/year
Lifetime Production = 82.5 million kwh's

Local Projects Progressive has been Project Developer / Consultant



Kendall County, IL
(Public Safety Building, Courthouse and Health Services)
Annual Production = 3.3 million kWh/year
Lifetime Production = 82.5 million kWh's



Mooseheart Child City & School
Annual Production = 3.5 million kWh/year
Lifetime Production = 84.5 million kWh's

Solar Opportunities for Residents / Business

Behind the Meter Solar

- Residential
 - Incentives pay for 50% - 65% of solar project
 - True “Net Metering” invoiced through ComEd
 - Payback is almost always less than 7 years
 - Purchase Price Agreement (PPA) and Lease Agreements are available to allow residents to have solar with no upfront money.
- Business / Governmental / Non-Profit
 - Incentives pay for 70% - 90% of solar field installation
 - Modified “Net Metering” if customer takes advantage of “Smart Meter Rebate”
 - Payback is almost always less than 5 years
 - Purchase Price Agreement (PPA) and Lease Agreements are available that allows for solar with no upfront money. Savings are generally 25% - 35% vs traditional

Community Solar

- Guaranteed 10%-15% savings on Energy Supply vs. ComEd Price to Compare Rate
- Total Savings of 6-10% off ComEd Invoice
- Program billing begins early 2023
- Very competitive

Climate and Equitable Jobs Act

- The newly signed bill on September 15th and 988 pages long, mandates the closure of coal and natural gas plants by 2045, with closer dates for fossil fuel plants located in underserved communities.
- The state pledges 100% clean energy in three decades. In place of all those carbon-emitting energy sources, the bill calls for gradually increasing Illinois toward using more renewable energy over time, eventually having the state use 100% clean energy by 2050.
- The total bill is \$9.5 billion over 10 years. The bill also earmarks \$580 million each year to build out wind and solar, including increased funding for community solar, with the goal of increasing the state's renewable energy standard to 40% by 2030 and 50% by 2040.

RPS High Level Targets

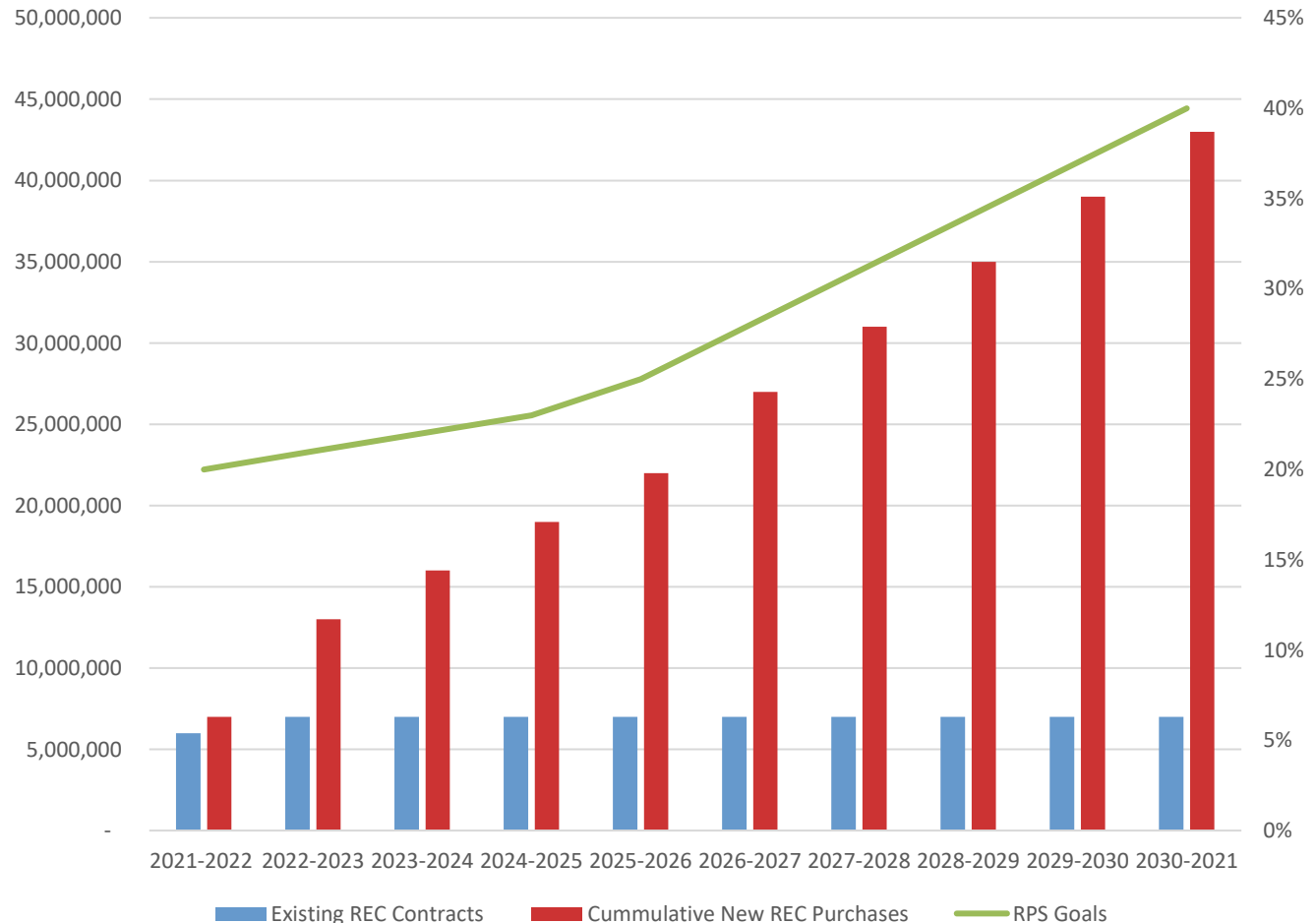
Open Items

- Illinois Power Authority to issue new Long Term Renewable Resources Procurement Plan (LTRPP).
- IPA will create Specific timelines & categories for REC (Renewable Energy Certificate) targets

Goals

- 40% by 2030-2031
- 50% by 2040-2041
- 10 million RECs from new assets by end of 2022

RPS (Renewable Portfolio Standards) Targets & Purchasing Schedule



Specific RPS (Renewable Portfolio Standards) Targets

Utility Scale = 8,000 MW

- 4,000 MW new wind
- 4,000 MW new solar

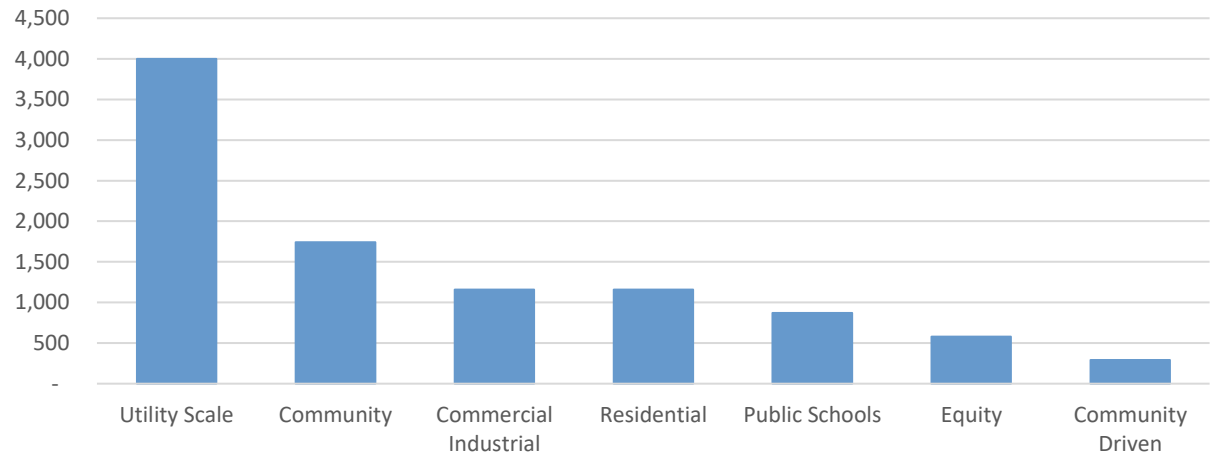
Distributed Generation 5,800 MW of new solar

The IPA will have discretion to move volume between categories.

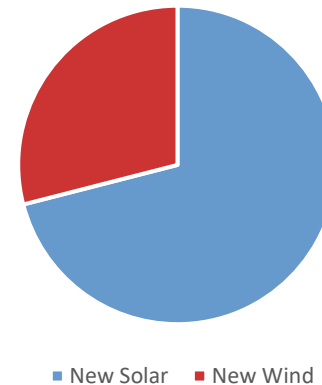
- Community Solar
 - New rules will favor smaller urban projects sponsored by Governmental Entities
- Large Commercial (over 25 kW)
- Small Commercial and Residential
- Equity Projects
- Community Driven
- Schools

Final language on what is definition of “Equity Projects & Community Driven”

New Solar MW Target by Category



Split between Wind and Solar



Where is \$9.5 Billion being spent?



2021 Energy Bill Cost Centers	10 Year Total	Comments / Explanation
Coal to Solar	\$ 322,875,000	Money used to convert retired coal plants to Solar Gardens/ Farms
ComEd Distributed Generation Incentive (Mostly Solar)	\$ 919,463,821	ComEd current rebate is \$250 per kW of solar installed
Solar & Wind Incentives from Illinois Power Authority	\$ 2,651,919,215	
Distributed Generation Storage Incentive	\$ 748,489,259	Program is currently being developed
Electric Charging Infrastructure	\$ 391,536,390	
Energy Efficiency Programs	\$ 896,856,647	
Electric Integrated Grid Planning	\$ 30,000,000	Money used to study improvements needed to grid when there are thousands of small power plants on grid
Equitable Energy Upgrade Program	\$ 7,866,667	
Exelon Nuclear Subsidies	\$ 694,000,000	This is scheduled to sunset in five years
ComEd Performance Based Rates	\$ 2,248,829,860	Program under development not scheduled to start until 2023 - 2024
Credit Card Socialization	\$ 90,000,000	Allow customers to pay ComEd with no credit card fee
Energy Assistance	\$ 400,424,452	Money to help low income residents pay electric bill
ICC Division of Int Dist Planning	\$ 52,000,000	
Intervenor Compensation	\$ 4,500,000	
TOTAL COST CENTERS	\$ 9,458,761,311	
Annual Consumption (MWh)	846,771,574	
Average Rate Impact (\$/MWh)	\$ 11.17	
Annual Impact to average home owner	\$112	
Electric Vehicle Incentives		Incentives paid from Existing Alternative Fuels Fund Collections