



# Energy Update

METROPOLITAN MAYORS CAUCUS  
ENERGY SUBCOMMITTEE  
OCTOBER 12, 2022

# AGENDA

## Energy Ambassadors Program

- Program description
- Discussion regarding direction and level of interest

## Community-Driven Community Solar

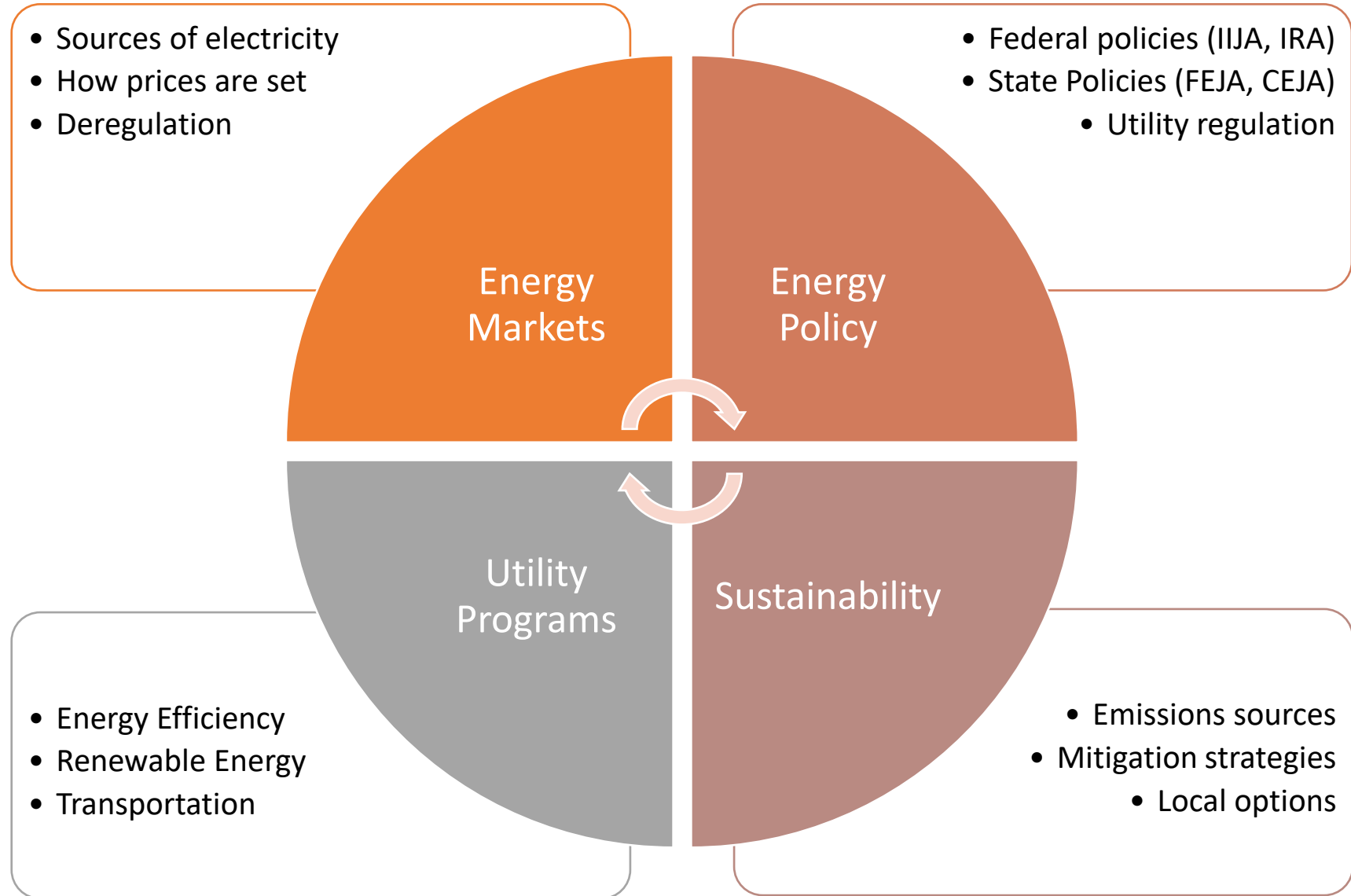
- Opportunity description
- Discussion regarding direction and level of interest

# ENERGY AMBASSADORS PROGRAM

## Description

- Online based courses focused on energy issues from an Illinois municipal perspective
- For local Sustainability Commissions, elected officials and municipal staff
- Instructor: Mark Pruitt
- No cost

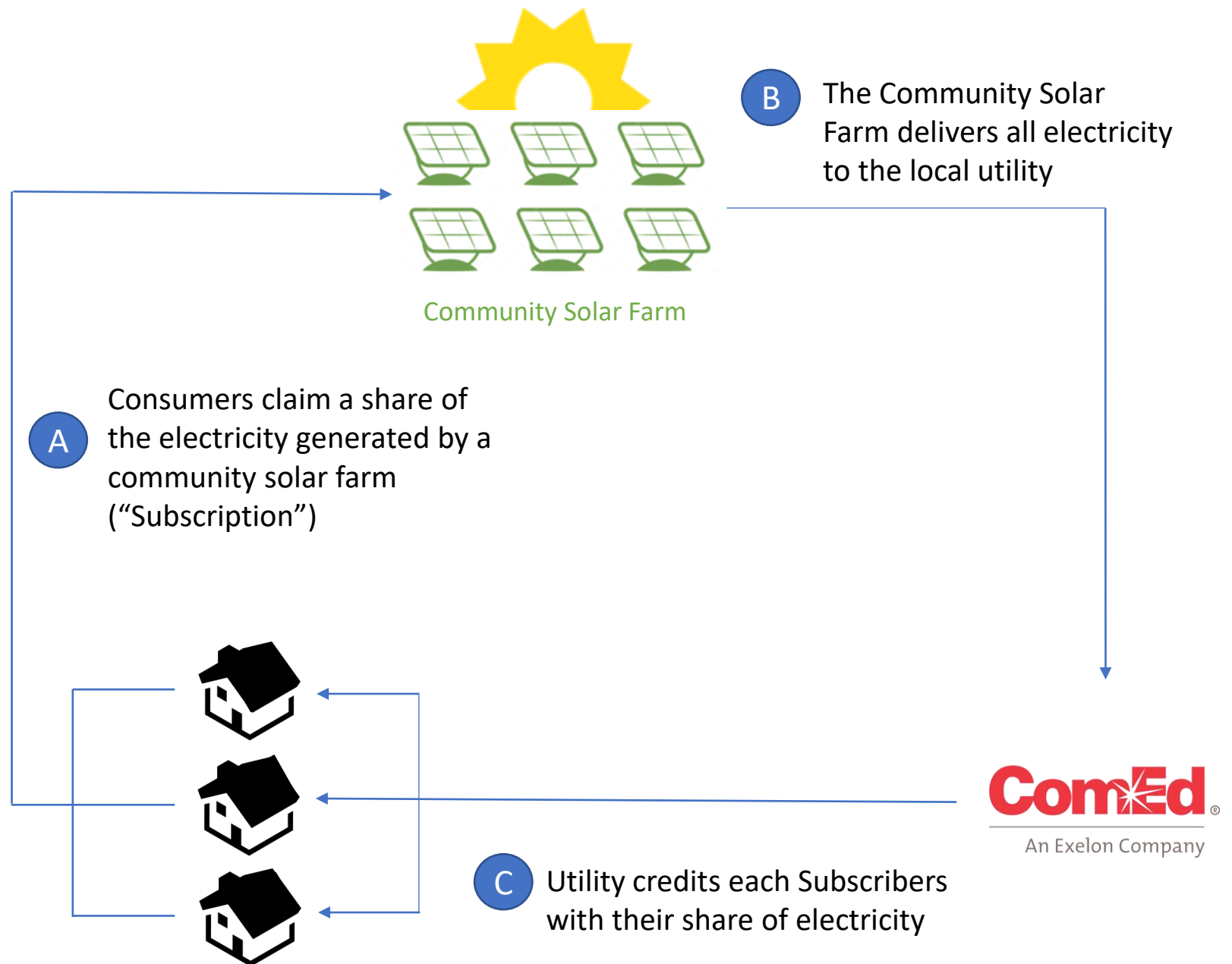
Any interest or recommendations?



# COMMUNITY DRIVEN COMMUNITY SOLAR

## Community Solar

- Multiple consumers to share a single community solar farm (A)
- Generation from the community solar farm is delivered to ComEd (B)
- ComEd issues “net metering credits” to subscribers for their share of the solar farm’s output (C)
- Net Metering Credits are valued at the utility cost of energy + capacity + transmission (~\$0.11/kWh)



# COMMUNITY DRIVEN COMMUNITY SOLAR

## Description

- Included in CEJA
- Carve out for community solar projects that provide a deeper level of community involvement
- Intended to bring community solar closer to populations
- Increase the public benefits of community solar

FEATURES	BENEFITS
Community Ownership	Minimum 50% ownership by community residents or non-profit organization serving the host community
Community Benefits	Benefits beyond subscriptions (economic, environmental, social, educational, cultural, or physical)
Meaningful Involvement	Process to receive and act on inputs from local residents and other stakeholders regarding the development and structure of the project

# COMMUNITY DRIVEN COMMUNITY SOLAR

## Incentives

- Higher REC prices through the IPA's Adjustable Block Program
- Projects appear to qualify for direct grant of Investment Tax Credits under Inflation Reduction Act

### 2022-2023 Delivery Year<sup>304</sup>

Category	Group A (MW)	Group B (MW)
Small Distributed Generation	40	94
Large Distributed Generation	40	94
Traditional Community Solar	48	112
Public School Projects	30	70
Community-Driven Community Solar	10	23
Equity Eligible Contractor Projects	20	46
<b>Total</b>	<b>188</b>	<b>439</b>

Block Category/Size		Group A (Ameren Illinois, MidAmerican, Mt. Carmel, Rural Electric Cooperatives, and Municipal Utilities located in MISO)	Group B (ComEd, and Rural Electric Cooperatives and Municipal Utilities located in PJM)
Small DG	≤10 kW	\$78.51	\$82.28
	>10 - 25 kW	\$66.39	\$71.89
Traditional Community Solar (20 years)	≤ 25 kW	\$56.23	\$61.54
	>25 - 100 kW	\$59.19	\$64.39
	>100 - 200 kW	\$60.85	\$65.23
	>200 - 500 kW	\$57.22	\$62.09
	>500 - 2,000 kW	\$51.32	\$55.50
	>2,000 kW – 5,000 kW	\$45.50	\$47.78
Community- Driven Community Solar	≤ 25 kW	\$71.60	\$78.27
	>25 - 100 kW	\$75.34	\$82.16
	>100 - 200 kW	\$77.27	\$83.42
	>200 - 500 kW	\$72.47	\$79.19
	>500 - 2,000 kW	\$64.76	\$70.12
	>2,000 kW – 5,000 kW	\$56.85	\$59.44

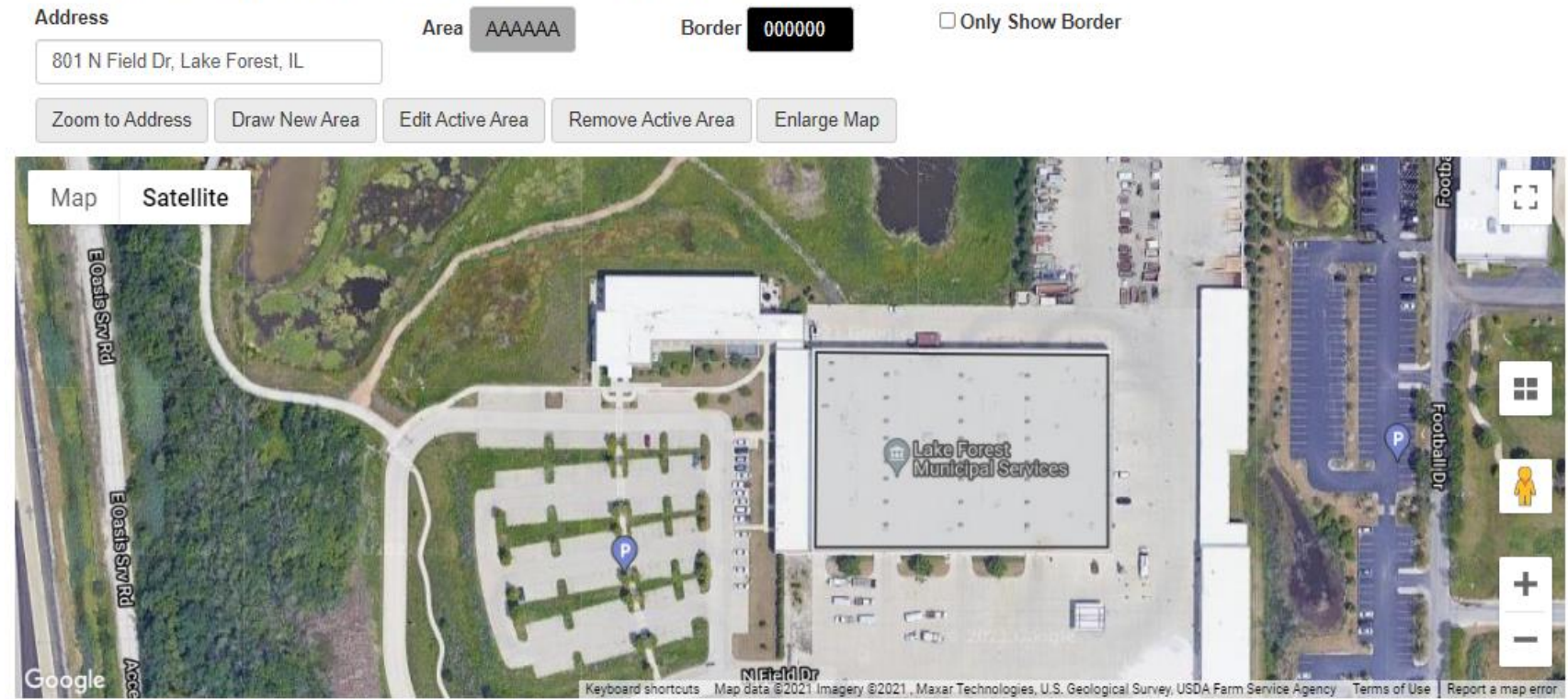
# COMMUNITY DRIVEN COMMUNITY SOLAR

## Concept

- Install solar arrays on the rooftops and parking lots at municipal facilities
- Focus on “Franchise” facilities that receive a \$0 ComEd bill each month (City Hall, Public Works)
- Export the electricity to the ComEd grid as a community solar resource (instead of consuming the electricity onsite)

Any interest or recommendations?

Area calculator - Find the area of a shape you draw on a google map



- Lake Forest Public Work Building
- 60,000 square feet of roofspace
- Could host ~700 kW solar array
- Annual generation – 1.1 million kWh

- Franchise account (“free” electricity)
- No savings is solar is consumed on-site
- Could export solar to the ComEd grid
- Support ~110 community solar subscriptions
- Lease payments for use of the roof



# Thank You!

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