



# RESIDENTIAL COMMUNITY SOLAR FOR ILLINOIS MUNICIPALITIES

THE CS<sup>2</sup> PROGRAM BY THE  
METROPOLITAN MAYORS CAUCUS

# INTRODUCTIONS

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Sponsor



Program



Program  
Manager



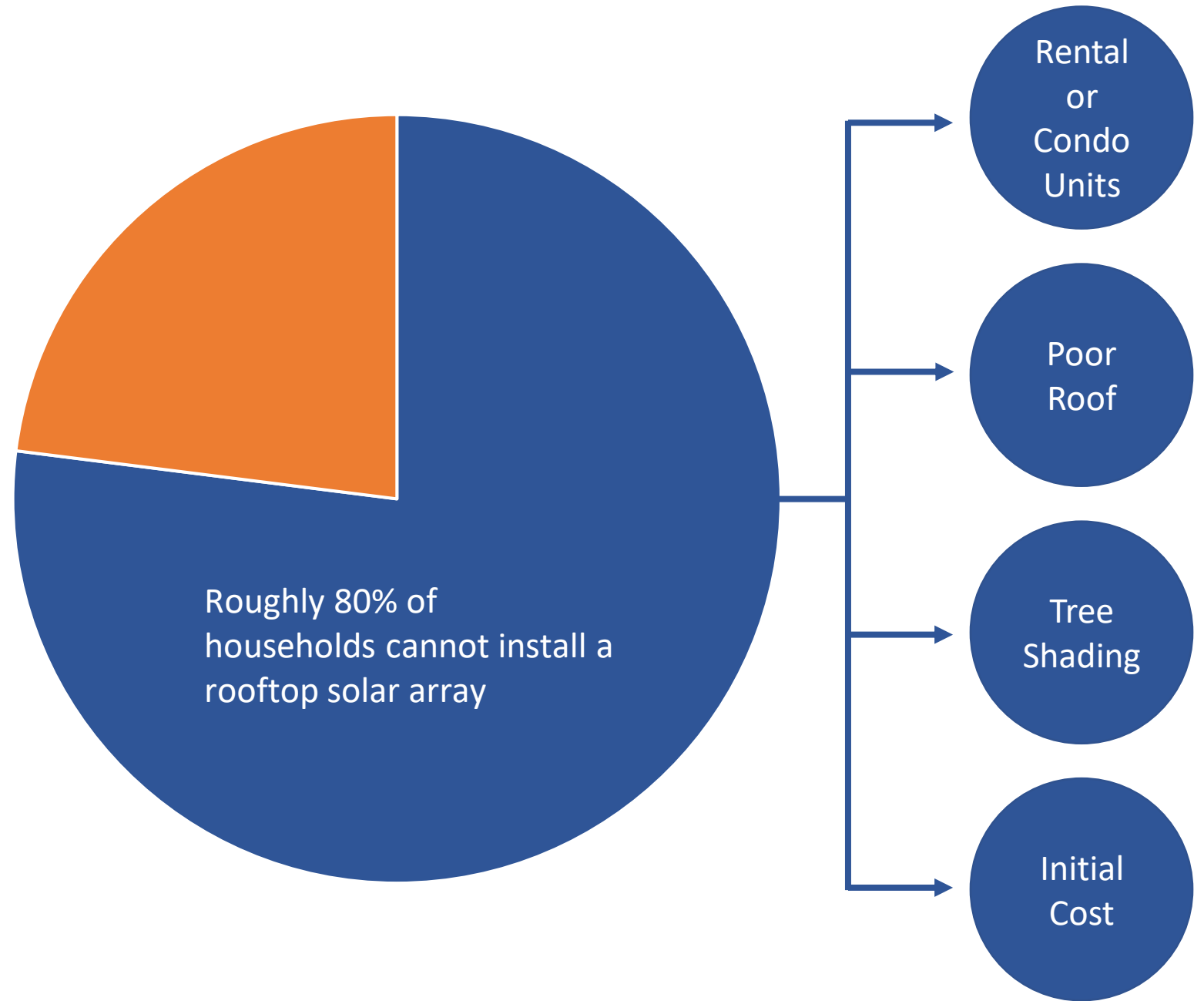
# COMMUNITY SOLAR

Mechanics | Consumer Benefits | Challenges

# THE PROBLEM: ACCESS TO SOLAR

## Real Barriers

- Restrictions for renters and condo owners
- Many roofs cannot support weight of solar arrays
- Shade from trees prevents solar from generating electricity
- The initial cost of solar is still too high for consumers

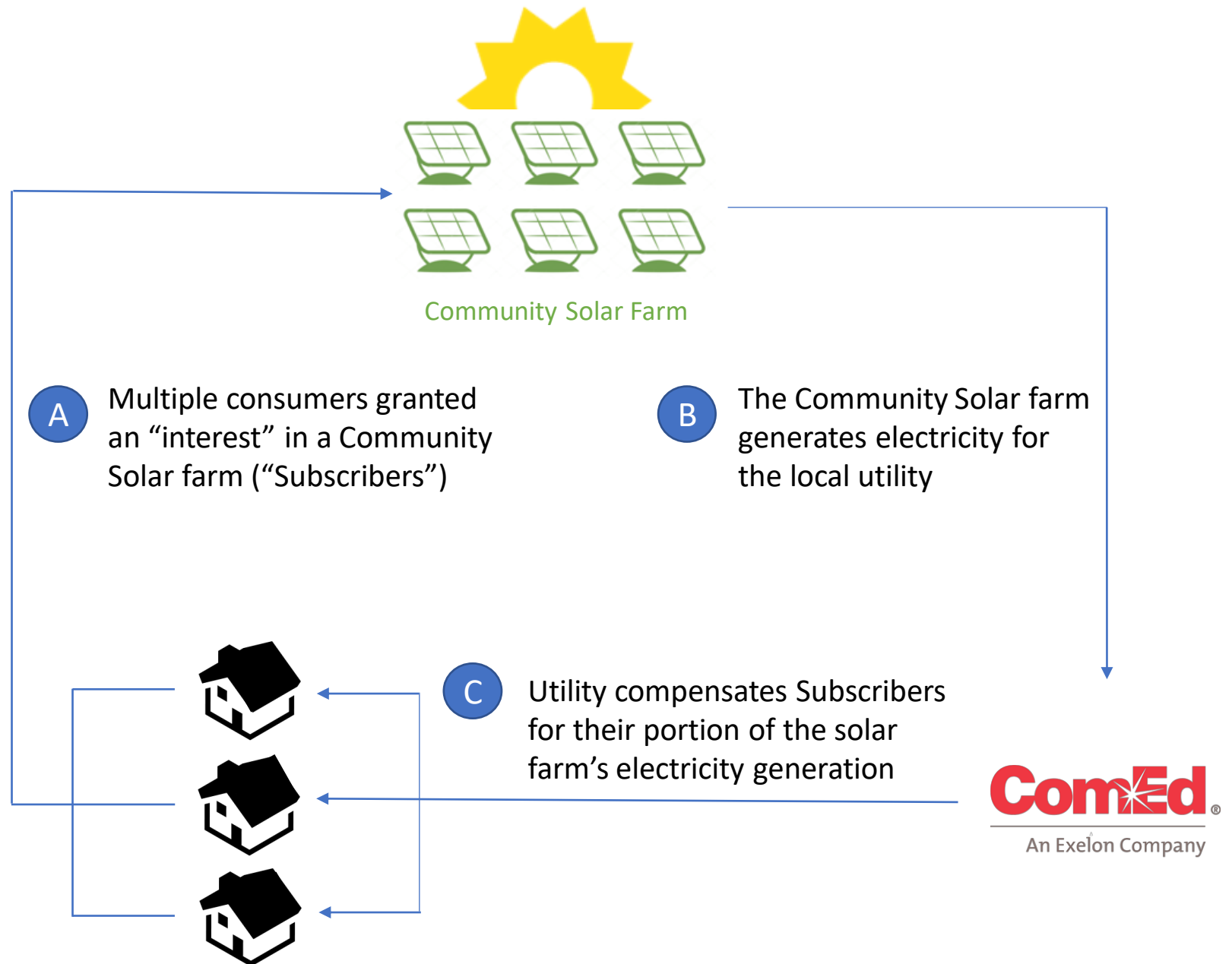




# COMMUNITY SOLAR

## Community Solar

- State law allows multiple consumers to share a single community solar farm (A)
- The generation from the community solar farm is delivered to the local utility (B)
- The local utility issues “net metering credits” to all consumers that subscribe to the community solar farm (C)



# COMMUNITY SOLAR

## Consumer Benefits

- Solar Generation
  - Subscriber's share of electricity generated by the community solar farm
- Electricity Supply Charge
  - Energy only (not transmission, distribution, taxes)
- Net Metering Credits
  - Reductions on Subscriber's monthly utility bills

Community Solar – What's it worth?			
Solar Generation	X	Electricity Supply Charge	= Net Metering Credits

### Average Single-Family Home (ComEd)

Month	Solar Generation (kWh)	Electricity Supply Charge (\$/kWh)	Net Metering Credits (\$)
Jan	458	\$0.05747	\$26.35
Feb	565	\$0.06167	\$34.86
Mar	767	\$0.05512	\$42.30
Apr	863	\$0.05646	\$48.72
May	998	\$0.06352	\$63.38
Jun	1,018	\$0.05444	\$55.42
Jul	1,012	\$0.05549	\$56.18
Aug	953	\$0.05753	\$54.82
Sep	853	\$0.05299	\$45.19
Oct	693	\$0.05347	\$37.07
Nov	481	\$0.05347	\$25.72
Dec	392	\$0.05347	\$20.97
<b>TOTAL</b>	<b>9,055</b>	<b>\$0.05638</b>	<b>\$510.98</b>

# COMMUNITY SOLAR

## Consumer Benefits

- Solar Generation
  - Subscriber's share of electricity generated by the community solar farm
- Electricity Supply Charge
  - Energy only (not transmission, distribution, taxes)
- Net Metering Credits
  - Reductions on Subscriber's monthly utility bills

Community Solar – What's it worth?			
Solar Generation	X	Electricity Supply Charge	= Net Metering Credits

### Average Multi-Family Home (ComEd)

Month	Monthly Generation (kWh)	Electricity Supply Charge (\$/kWh)	Net Metering Credits (\$)
Jan	199	\$0.05747	\$11.46
Feb	246	\$0.06167	\$15.16
Mar	334	\$0.05512	\$18.40
Apr	375	\$0.05646	\$21.19
May	434	\$0.06352	\$27.57
Jun	443	\$0.05444	\$24.11
Jul	440	\$0.05549	\$24.44
Aug	414	\$0.05753	\$23.85
Sep	371	\$0.05299	\$19.66
Oct	302	\$0.05347	\$16.13
Nov	209	\$0.05347	\$11.19
Dec	171	\$0.05347	\$9.12
<b>TOTAL</b>	<b>3,939</b>	<b>\$0.05626</b>	<b>\$222.28</b>

# COMMUNITY SOLAR

## Challenges

- Different offers from 75 different developers
- Large termination fees
- Minimum credit scores
- Power of attorney
- Higher credits for some types of accounts
- Cumbersome sign-up and compliance

## CS<sup>2</sup> Program

- *Municipalities asked Mayors Caucus for a program that offered safe and fair Subscriptions*

community solar with  
**nexamp**

**Save Money and Support Clean Energy.  
No Rooftop Panels Required.**

Community Solar programs allow utility customers to subscribe to a local solar farm and save on their electricity cost without having to install solar panels.





Guaranteed Savings on Your Electric Bill\*

Reduce your energy costs with a renewable power solution.  
Call today, space is limited! 1.866.443.0557

**PROMO CODE: IllinoisSavings**

**NOT a Utility.  
NOT a Retail Electric Supplier.**  
A new roofless solar solution for Illinois.



**COMMUNITY SOLAR IS NOW AVAILABLE IN YOUR AREA**


QUESTIONS? CALL 888-861-1082


**SPACE IS LIMITED!**

Reserve your space today to support locally produced community solar with Constellation.  
Enter your zip code to get started.

Zip Code

**Submit**

 **SIGN UP NOW TO RECEIVE A \$200 GIFT CARD\***



View in browser

**Get a \$30 credit for signing up**

**Join Arcadia**

Hi ~,

Arcadia makes supporting clean energy easy, whether you're a renter or a homeowner. It's as easy as 1, 2, 3:

1. Estimate how much energy you use every month. Our calculator can help.
2. Sign up to offset that energy every month for just 1.5c/kWh. For most households, that's about \$10/month.
3. We buy renewable energy certificates on your behalf, so you're helping put more clean energy into the grid.

In just two minutes, you can make a big difference for the environment. And if you sign up by the end of the month, you'll get a \$30 credit.



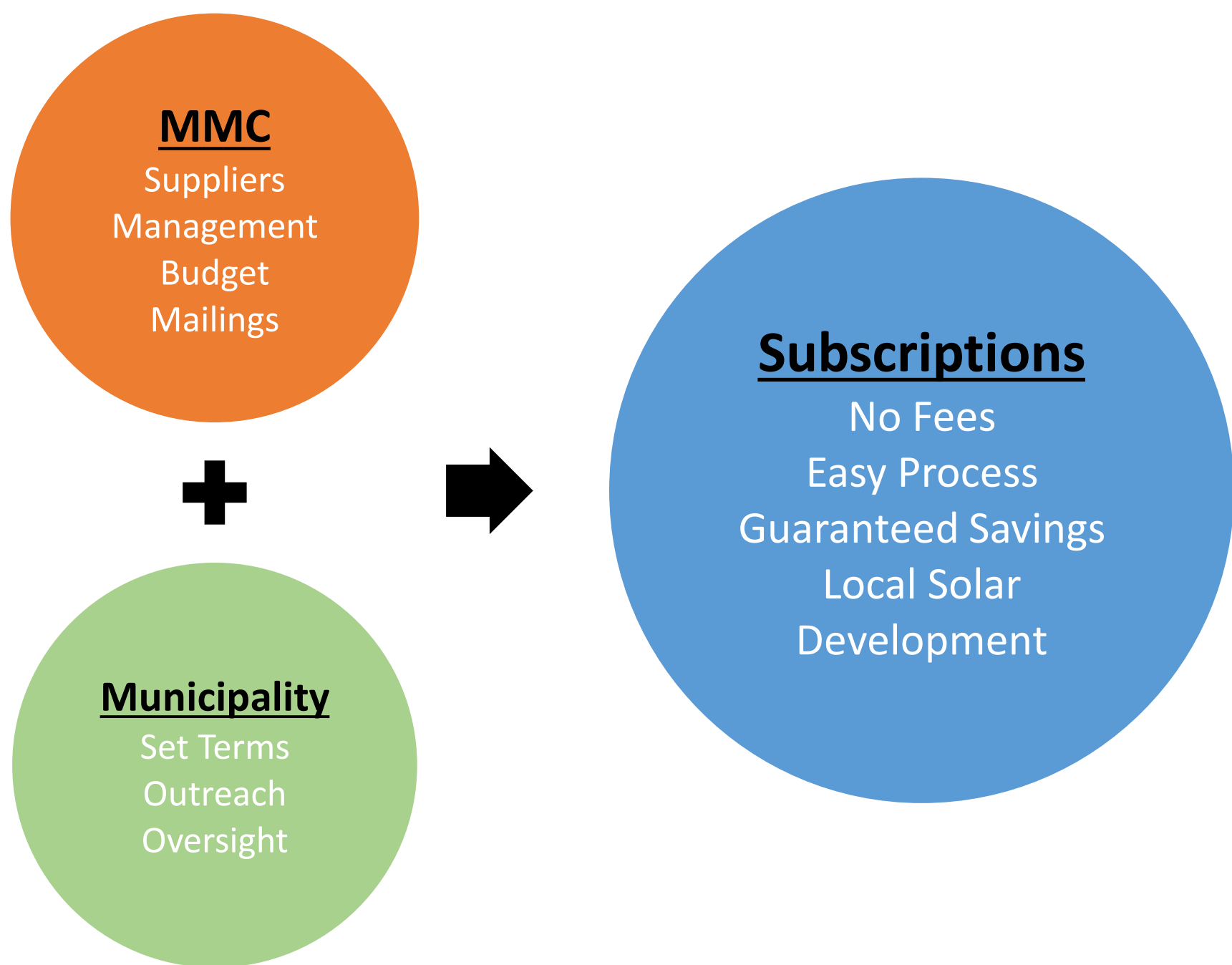
# RESIDENTIAL CS<sup>2</sup> PROGRAM

Structure | Process

# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Program Structure

- Created at the request of municipalities
- Partnership between Mayors Caucus and Municipalities
- Fair contract terms
  - No credit checks
  - No enrollment fees
  - No termination fees
  - Consumers keep 20% of net metering credits
- Outreach to inform residents



# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Key Terms

- Municipality may accept the standard key terms
- Changes to key terms will require negotiation with the CS<sup>2</sup> Program suppliers
- CS<sup>2</sup> Program suppliers not obligated to accept alternative terms

KEY COMMERCIAL TERMS FOR CS <sup>2</sup> COMMUNITY SOLAR PROGRAM	
Eligible Accounts	<ul style="list-style-type: none"> <li>■ Accounts served by ComEd in the following rate classes: <u>Residential, Watt-Hour, Small Commercial, and General Lighting</u></li> <li>■ Accounts must remain on utility <u>default tariff</u> rates (to receive the highest net metering credit value)</li> </ul>
Net Metering Credits	<ul style="list-style-type: none"> <li>■ Subscription sized to match account's annual consumption <u>(+/-10)</u> per utility rules</li> <li>■ Subscriber <u>receives 100% of all utility net metering credits</u> on the monthly utility bill</li> <li>■ Subscriber <u>pays 80% of all monthly net metering credits</u></li> </ul>
Enrollment Requirements	<ul style="list-style-type: none"> <li>■ <u>No credit checks; no minimum credit score</u></li> <li>■ <u>\$0 enrollment</u> fees</li> </ul>
Payment Requirements	<ul style="list-style-type: none"> <li>■ Subscriber must <u>enroll in Recurring Automatic Payments ("Auto Pay") Plan</u> and authorize charges or debits to Subscriber's credit card/debit card for each Invoice</li> <li>■ Payment in cash, money orders, or checks is not accepted.</li> </ul>
Subscription Term	<ul style="list-style-type: none"> <li>■ <u>Initial 2-year term</u> with <u>successive 2-year extensions</u> at the option of the Subscriber</li> <li>■ Subscription may be sold or transferred by the Subscriber</li> </ul>
Subscription Termination	<ul style="list-style-type: none"> <li>■ <u>\$0 termination fees with 30 days' notice by Subscriber</u></li> <li>■ Termination for non-payment or placement on non-Default tariff rates for 2 consecutive billing cycles</li> </ul>
Consumer Services	<ul style="list-style-type: none"> <li>■ <u>Online enrollment, electronic billing, call center, program website</u></li> <li>■ Services paid by community solar farm developers</li> </ul>
Marketing Materials	<ul style="list-style-type: none"> <li>■ Mailings, press releases, program materials <u>approved by municipality</u></li> </ul>

# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Billing Structure

- Consumer receives all net metering credits on their ComEd bill
- Consumer separately billed for 80% of net metering credits

## Requirements

- Electronic Autopay
- Ensures accuracy
- Reduces program costs

### Before Community Solar

#### Electric Bill



SUPPLY

\$84

1200 kWh X \$0.07 = \$84



DELIVERY

\$45

TAXES & FEES

\$15

TOTAL COST

\$144

Total Owned: \$144

### After Community Solar

#### Electric Bill



SUPPLY

\$24

1200 kWh X \$0.07 = \$84

Net Metering Credit

-1000 kWh X \$0.06 = -\$60



DELIVERY

\$45

TAXES & FEES

\$15

TOTAL COST

\$84

#### Subscription Bill

Net Metering Credits

\$60

Subscriber's Share (20%)

-\$15

TOTAL COST

\$45

Total Owned: \$129

Total Savings: \$15

# RESIDENTIAL CS<sup>2</sup> PROGRAM – AVERAGE SINGLE-FAMILY HOME (2020 VALUES)

MONTH	MONTHLY COMED SUPPLY CHARGES			MONTHLY NET METERING CREDITS			MONTHLY NET SAVINGS		
	Electricity Consumption (kWh)	Electricity Supply Charge (\$/kWh)	Energy Supply Cost (\$)	Solar Generation (kWh)	Net Metering Credit Rate (\$/kWh)	Net Metering Credits (\$)	Net Metering Credits (\$)	Monthly Subscription Cost (\$)	Net Consumer Savings (\$)
MATH	A	B	C=A*B	D	E	F=D*E	G=F	H=F*80%	I=G-H
January	695	\$0.05747	\$39.97	458	-\$0.05747	-\$26.35	\$26.35	-\$21.08	\$5.27
February	801	\$0.06167	\$49.38	565	-\$0.06167	-\$34.86	\$34.86	-\$27.89	\$6.97
March	737	\$0.05512	\$40.60	767	-\$0.05512	-\$42.30	\$42.30	-\$33.84	\$8.46
April	583	\$0.05646	\$32.94	863	-\$0.05646	-\$48.72	\$48.72	-\$38.98	\$9.74
May	568	\$0.06352	\$36.11	998	-\$0.06352	-\$63.38	\$63.38	-\$50.71	\$12.68
June	709	\$0.05444	\$38.58	1,018	-\$0.05444	-\$55.42	\$55.42	-\$44.34	\$11.08
July	1,121	\$0.05549	\$62.20	1,012	-\$0.05549	-\$56.18	\$56.18	-\$44.94	\$11.24
August	1,405	\$0.05753	\$80.84	953	-\$0.05753	-\$54.82	\$54.82	-\$43.86	\$10.96
September	763	\$0.05299	\$40.43	853	-\$0.05299	-\$45.19	\$45.19	-\$36.15	\$9.04
October	570	\$0.05347	\$30.47	693	-\$0.05347	-\$37.07	\$37.07	-\$29.66	\$7.41
November	502	\$0.05347	\$26.83	481	-\$0.05347	-\$25.72	\$25.72	-\$20.57	\$5.14
December	600	\$0.05347	\$32.11	392	-\$0.05347	-\$20.97	\$20.97	-\$16.78	\$4.19
Annual	9,055	\$0.05638	\$510.46	9,055	-\$0.05638	-\$510.98	\$510.98	-\$408.79	\$102.20



# RESIDENTIAL CS<sup>2</sup> PROGRAM— AVERAGE MULTI-FAMILY HOME (2020 VALUES)

MONTH	MONTHLY COMED SUPPLY CHARGES			MONTHLY NET METERING CREDITS			MONTHLY NET SAVINGS		
	Electricity Consumption (kWh)	Electricity Supply Charge (\$/kWh)	Energy Supply Cost (\$)	Solar Generation (kWh)	Net Metering Credit Rate (\$/kWh)	Net Metering Credits (\$)	Net Metering Credits (\$)	Monthly Subscription Cost (\$)	Net Consumer Savings (\$)
MATH	A	B	C=A*B	D	E	F=D*E	G=F	H=F*80%	I=G-H
January	276	\$0.05747	\$15.88	199	-\$0.05747	-\$11.46	\$11.46	-\$9.17	\$11.46
February	323	\$0.06167	\$19.90	246	-\$0.06167	-\$15.16	\$15.16	-\$12.13	\$15.16
March	303	\$0.05512	\$16.72	334	-\$0.05512	-\$18.40	\$18.40	-\$14.72	\$18.40
April	258	\$0.05646	\$14.58	375	-\$0.05646	-\$21.19	\$21.19	-\$16.96	\$21.19
May	249	\$0.06352	\$15.84	434	-\$0.06352	-\$27.57	\$27.57	-\$22.06	\$27.57
June	307	\$0.05444	\$16.73	443	-\$0.05444	-\$24.11	\$24.11	-\$19.29	\$24.11
July	449	\$0.05549	\$24.92	440	-\$0.05549	-\$24.44	\$24.44	-\$19.55	\$24.44
August	597	\$0.05753	\$34.37	414	-\$0.05753	-\$23.85	\$23.85	-\$19.08	\$23.85
September	376	\$0.05299	\$19.91	371	-\$0.05299	-\$19.66	\$19.66	-\$15.73	\$19.66
October	289	\$0.05347	\$15.47	302	-\$0.05347	-\$16.13	\$16.13	-\$12.90	\$16.13
November	244	\$0.05347	\$13.06	209	-\$0.05347	-\$11.19	\$11.19	-\$8.95	\$11.19
December	265	\$0.05347	\$14.19	171	-\$0.05347	-\$9.12	\$9.12	-\$7.30	\$9.12
Annual	3,939	\$0.05626	\$221.58	3,939	-\$0.05626	-\$222.28	\$222.28	\$177.82	\$44.46

# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Simple Process

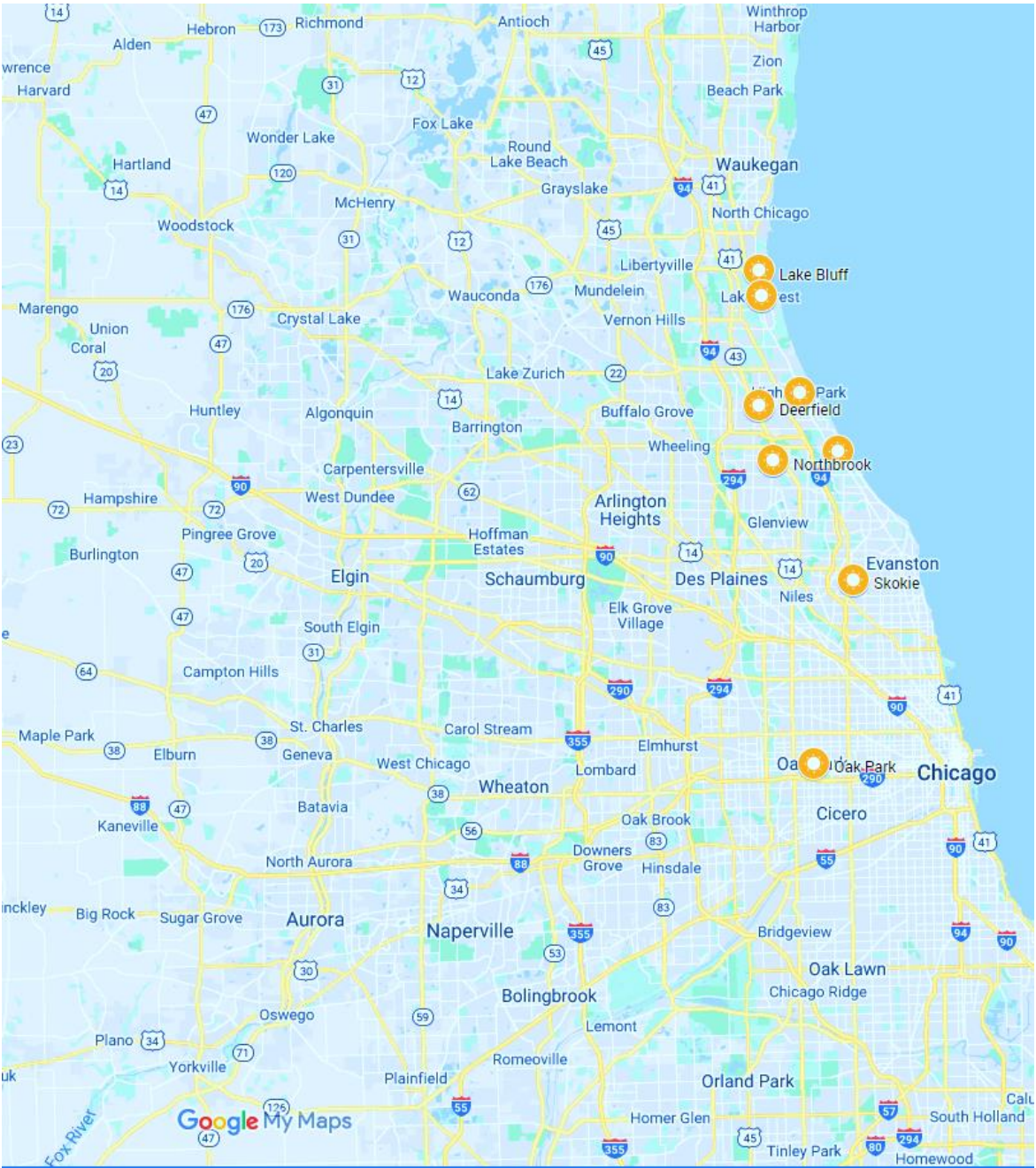
- Limited time commitment for municipal staff and elected officials
- No cost to municipality
- No minimum participation requirements

1	Municipal Sponsorship	<ul style="list-style-type: none"><li>▪ Specify Subscription Terms &amp; Conditions</li><li>▪ Pass Board Resolution</li><li>▪ Submit Letter of Endorsement, Marketing Designee Registry</li></ul>
2	Direct Mail Outreach	<ul style="list-style-type: none"><li>▪ Mailing format and content approved by municipality</li><li>▪ Provide Municipal logo and post information on website</li><li>▪ Direct mailing to Residential and Small Commercial accounts</li></ul>
3	Consumer Sign Up	<ul style="list-style-type: none"><li>▪ Consumers use online signup</li><li>▪ Accounts qualified (paid account, default rate, smart meter installed, subscription size)</li></ul>
4	Subscription Enrollment	<ul style="list-style-type: none"><li>▪ Accounts assigned to Community Solar farms on a first-in/first-assigned basis</li><li>▪ Subscription and Billing Services Agreements</li></ul>
5	Ongoing Support	<ul style="list-style-type: none"><li>▪ Net Metering Credits arrive every month</li><li>▪ Electronic Auto-payment billing</li><li>▪ No-cost termination with 30 days' notice</li></ul>

# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Track Record

- 8 communities
- Residential and municipal facilities subscribed
- Over 1,300 residents signed up for Community Solar Subscriptions
- Supporting development of four (4) new community solar projects in northern Illinois



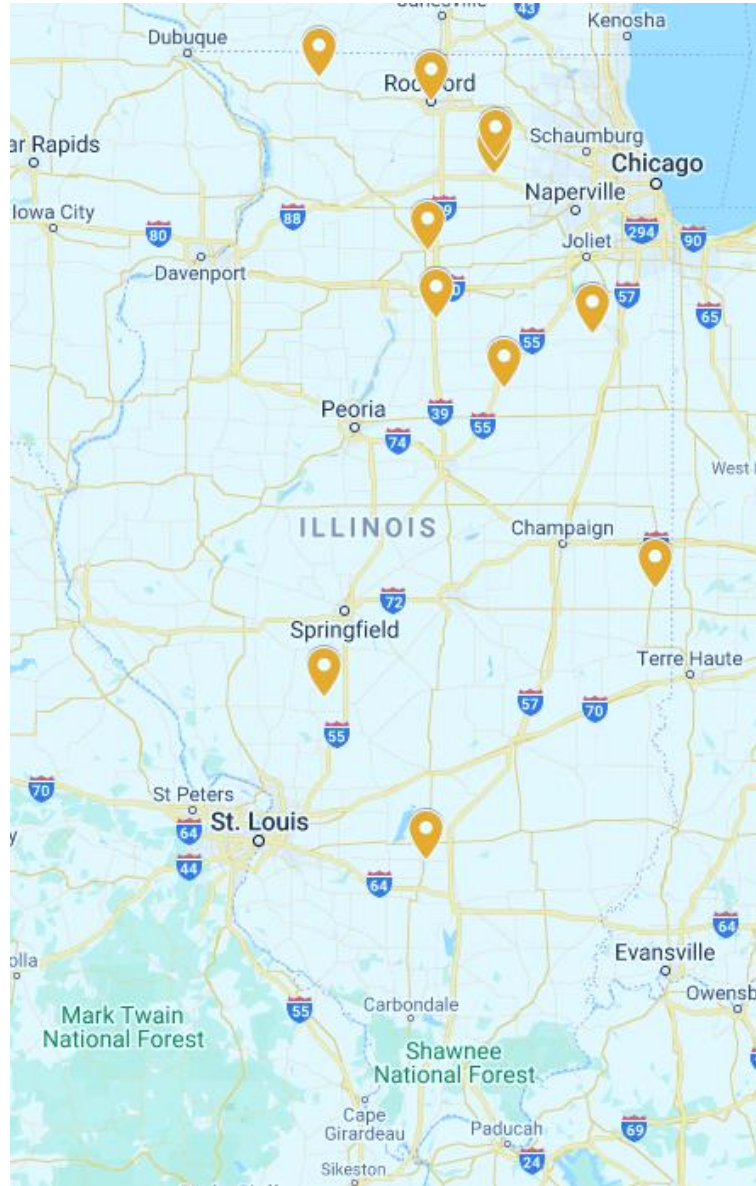
Active Residential CS2 Programs
Deerfield
Glencoe
Highland Park
Lake Bluff
Lake Forest
Northbrook
Skokie
Oak Park



# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Developer Partnerships

- Pool of three (3) developers with eleven (11) projects throughout Illinois
  - All have agreed to current standard Subscription terms and conditions
  - Projects at or near completion
- Negotiations with other developers for additional volumes
  - May require different Subscription terms and conditions



# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Sample Materials



# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Direct Mailer

- Municipal logo
- Residents directed to municipal website for more information



 Metropolitan  
Mayors  
Caucus

 City of Highland Park

**No Roof. No Problem.**

**Support solar development in Illinois and receive guaranteed utility cost savings with Illinois' largest municipally sponsored Community Solar program.**

**Learn more at [www.cityhpil.com/communitysolar](http://www.cityhpil.com/communitysolar)**

# RESIDENTIAL CS<sup>2</sup> PROGRAM





## Direct Mailer

- Municipal logo
- Residents directed to municipal website for more information
- Toll free number to call center
- Email to CS<sup>2</sup> Program billing administrator (MC Squared Energy Services)





## Join the CS<sup>2</sup> Residential Community Solar Program and Save!

The City of Highland Park and neighboring North Shore communities have partnered with the Metropolitan Mayors Caucus to offer Community Solar Subscriptions for residents on a first-come first-serve basis. Consumers with Community Solar Subscriptions will receive net metering credits on their monthly ComEd bills for their share of the electricity generated by a Community Solar farm. The Community Solar Subscription will provide the resident with a guaranteed 20% savings of the net metering credits as stated on the ComEd bills after paying MC Squared Energy Services for their monthly subscription fee.

### Community Solar Benefits:

-  Support renewable energy development throughout northern Illinois
-  No change in your utility company
-  No solar panels at your home or up-front investment
-  Local economic development, job training, and a lower carbon footprint for Illinois

### Program Benefits:

-  Substantial net metering credits on your monthly electricity bill
-  No credit check, simple automated payment process
-  Fair and transparent Subscription terms negotiated by local governments
-  Professional program management by MC Squared Energy Services

**Learn more about the CS<sup>2</sup> Program by contacting our Program Administrator MC Squared Energy Services:**

**Web:** [www.cityhphil.com/communitysolar](http://www.cityhphil.com/communitysolar)

**Email:** [NorthShoreCommunitySolar@mc2energyservices.com](mailto:NorthShoreCommunitySolar@mc2energyservices.com)

**Phone:** 833-949-2810



City of Highland Park  
1707 St Johns Ave.  
Highland Park, IL 60035



City of Highland Park

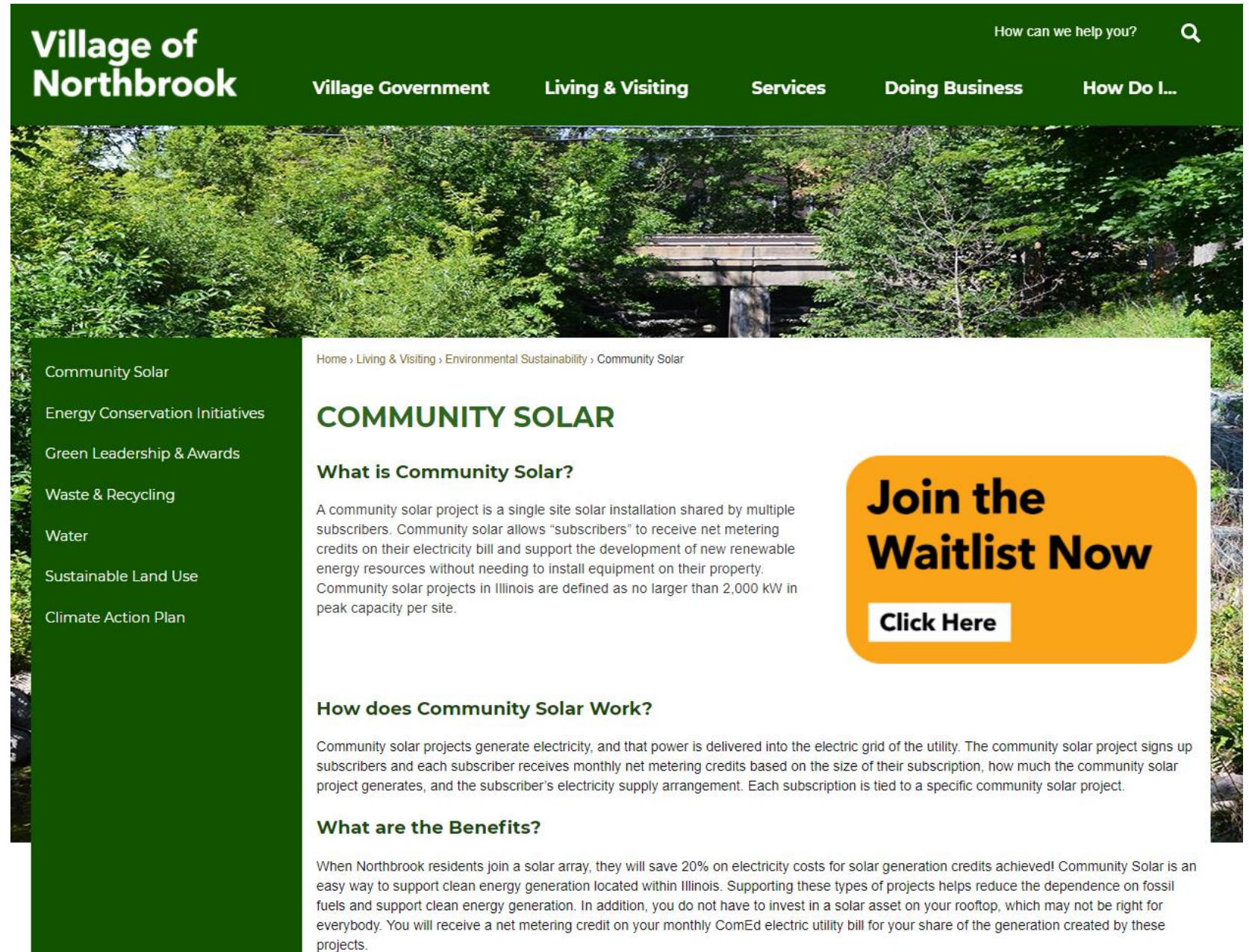
First Class Mail  
Presorted  
U.S. Postage Paid  
Westmont, IL  
Permit No. 173



# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Municipal Landing Page


- Program can provide content
- Basic information
- Link to the Sign-up page for residents (a “Waitlist” or “Reservation List”)
- Evidence of the municipality’s progress on sustainability issues



# RESIDENTIAL CS<sup>2</sup> PROGRAM

## Reservation List

- Municipally branded
- More detailed information (FAQ, sample bills, videos)
- No obligation sign up form



### North Shore Electricity Aggregation Consortium

#### Support Renewable Energy and Secure Guaranteed Savings with Community Solar

Residential and Small Commercial consumers located in the North Shore can capture the benefits of solar without any investment or installing any solar panels on your roof.

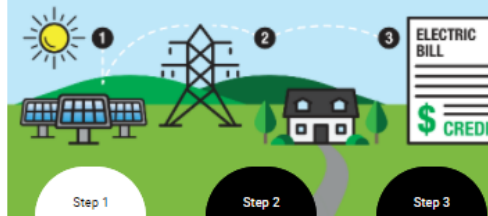
With the CS<sup>2</sup> Program, North Shore consumers can:

- Support new solar development in northern Illinois
- Save off ComEd energy supply costs with a guaranteed 20% savings off net metering credits
- Sign up for \$0 cost
- Stay with your current utility
- Terminate at any time for \$0 cost

With Community Solar, a typical\* North Shore home can support the deployment of 30 solar panels at a community solar farm and secure as much as \$130 per year in their net metering credit value.

\* Average single family residential home using 1,000 kWh's per month

#### How does Community Solar in Illinois work?



Step 1: Large scale\* community solar gardens are developed at off-site locations by private developers to generate clean, carbon-free electricity.

Step 2: \* Maximum of 2,000 kW's of capacity per site. No solar rooftop panels are required on your residence.

Step 3: ELECTRIC BILL CREDIT

#### Signing up for Community Solar is Easy and Costs Nothing

There is no cost or obligation to put your name on the CS<sup>2</sup> Program using the form below. Once you've submitted your information, the CS<sup>2</sup> Program Administrator – MC Squared Energy Services – will review your account for the following:

- Ensure that your account qualifies under ComEd's rules; and,
- Identify the Subscription size that is right for your account.

MC Squared Energy Services will inform you by email once your account has been confirmed, and again when a community solar farm that is participating in the CS<sup>2</sup> Program is ready to commence operations. At that time, you may choose to complete the enrollment process and start receiving your net metering credits.

Name on Utility Bill:

What is this?

First Name:

Last Name:

Address:

City:

State:

Zip Code:


Email:

Phone:

ComEd Account:

What is this?

#### Community Solar Benefits



Support renewable energy development throughout northern Illinois

#### FAQs

- What is Community Solar? ▾
- What is the CS<sup>2</sup> Community Solar Program? ▾
- What is the Illinois Future Energy Jobs Act (FEJA)? ▾
- How does Community Solar work? ▾
- What are the benefits of Community Solar? ▾
- How does the billing work? ▾
- Is Community Solar available now? ▾

# DISCUSSION



## DISCUSSION

Community Solar	<ul style="list-style-type: none"><li>▪ Solar farms shared by multiple consumers</li><li>▪ Subscribers credited for their share of solar energy</li><li>▪ Requires no installation, investment or maintenance</li></ul>
Consumer Benefits	<ul style="list-style-type: none"><li>▪ Guaranteed savings from the ComEd Default rate</li><li>▪ Supports renewable development in northern Illinois</li></ul>
Residential CS <sup>2</sup> Program	<ul style="list-style-type: none"><li>▪ No-cost partnership for local municipalities to help residents and small business access community solar</li><li>▪ Protects consumers with fair and competitive community solar subscription agreements and ongoing customer service</li></ul>
Key Issues	<ul style="list-style-type: none"><li>▪ Limited volumes available</li><li>▪ No new projects expected for the next 4-5 years</li></ul>



# Thank You!

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