COMMUNITY SOLAR FOR ILLINOIS COMMUNITIES

THE CS² PROGRAM BY THE METROPOLITAN MAYORS CAUCUS

The Power Bureau, LLC | Metropolitan Mayors Caucus
<table>
<thead>
<tr>
<th>Section</th>
<th>Subsections</th>
</tr>
</thead>
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| Introductions        | ▪ Speakers
                          ▪ Program                                      |
| Community Solar      | ▪ Mechanics
                          ▪ Status in Illinois                           |
| CS² Program          | ▪ Expanded Program
                          ▪ Consumer Benefits
                          ▪ How Municipalities can Participate           |
<p>| Brief Q&amp;A            | ▪ Please submit questions as they occur to you – use the chat function on Zoom! |</p>
<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Metropolitan Mayors Caucus</th>
</tr>
</thead>
<tbody>
<tr>
<td>Initiative</td>
<td>GRC2, Greenest Region Compact</td>
</tr>
<tr>
<td>Program</td>
<td>CS2, Community Solar Clearinghouse Solution</td>
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<tr>
<td>Program Manager</td>
<td>Power Bureau</td>
</tr>
<tr>
<td>Billing Administrator</td>
<td>mc², where energy comes from</td>
</tr>
</tbody>
</table>
COMMUNITY SOLAR
Mechanics  |  Status in Illinois
COMMUNITY SOLAR - ILLINOIS

Shared Resource
- Many consumers secure an interest in a single large solar resource
- Utility allocates solar generation to unconnected accounts
- Consumers pay a rate for their “Subscription”

Benefits
- Solution for common challenges:
  - Renters
  - Apartment buildings
  - Lack of upfront funds
  - Older roofs

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### Community Solar in Illinois:

- **Proposed Projects**: 919
- **Selected Projects**: 112
- **Incentives Committed (15-years)**: $331,688,960
- **Annual Generation (kWh)**: 377,100
- **Annual Value of Generation ($)**: $17,300,000
- **Equivalent number households**: 43,460

### Community Solar in ComEd Region

- **Proposed Projects**: 433
- **Selected Projects**: 78
- **Incentives Committed (15-years)**: $227,462,000
- **Annual Generation (kWh)**: 265,300
- **Annual Value of Generation ($)**: $11,142,000
- **Equivalent number of households**: 29,500
COMMUNITY SOLAR
- STATUS

Massive Outreach
- Social media
- Direct mail
- Non-profit partnerships
- Door-to-Door (soon?)

Little Consistency
- Sign up fees?
- Termination fees?
- Consumer savings
- Account control?

What is needed?
- Consistency, cost savings, fair contract terms

COMMUNITY SOLAR IS NOW AVAILABLE IN YOUR AREA

SPACE IS LIMITED!

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

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 $36/month. For most households, that’s about $1/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.

Get a $30 credit for signing up

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CS² PROGRAM

Expanded Program  |  Potential Benefits
Original CS² Program

Original Program
- Municipal accounts
- Watt-Hour, Small Commercial and General Lighting accounts
- Shared bill credit payment structure

Municipality Pays Developer 70-90% of Net Metering Credits

Net Metering Credits

Subscription Payments

3,000 kWh electricity

1,000 kWh ($55)

ComEd
An Exelon Company

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CS² PROGRAM – EXPANDED PROGRAM

Original Program
- Municipal accounts
- Watt-Hour, Small Commercial and General Lighting accounts
- Shared bill credit payment structure

Expanded Program
- Private sector accounts
- Residential, Small Commercial accounts
- Shared bill credit payment structure

Expanded CS² Program

- 3,000 kWh electricity
- 1,000 kWh ($55) Net Metering Credits
- 1,000 kWh ($55) Net Metering Credits
- 1,000 kWh ($55) Net Metering Credits

Resident Pays Developer 80% of Net Metering Credits
<table>
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<th>MONTH</th>
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Pre-Community Solar
- Consumption * ComEd Rate
- Average Cost = $510/yr.
### CS² PROGRAM - CONSUMER VALUE

#### Pre-Community Solar
- Consumption * ComEd Rate
- Average Cost = $510/yr.

#### Post-Community Solar
- Generation * ComEd Rate
- Average Credits = $510/yr.

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#### RESIDENTIAL – SINGLE FAMILY HOME

<table>
<thead>
<tr>
<th>MONTH</th>
<th>MONTHLY COMED SUPPLY CHARGES</th>
<th>MONTHLY NET METERING CREDITS</th>
<th>MONTHLY NET SAVINGS</th>
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**MATH**
- $A = B 	imes C = A \times B$
- $D = E - F = D \times E$
- $G = F 	imes 80\%$
- $I = G - H$

**Calculation:**
- Pre-Community Solar Consumption * ComEd Rate
- Post-Community Solar Generation * ComEd Rate
- Average Cost = Average Credits = $510/yr.
## CS² PROGRAM - CONSUMER VALUE

**Pre-Community Solar**
- Consumption * ComEd Rate
- Average Cost = $510/yr.

**Post-Community Solar**
- Generation * ComEd Rate
- Average Credits = $510/yr.

**Annual Average Benefit**
- Average Credits $510
- Subscription Cost $408
- Consumer Benefit $102

### Table: Monthly Consumption and Credits

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**Annual**
- Electricity Consumption (kWh) 9,055
- Energy Price (PEC + PEA) $0.05638
- Energy Supply Cost $510.46
- Solar Generation (kWh) 9,055
- Net Metering Credit Rate (PEC + PEA) -$0.05638
- Net Metering Credits -$510.98
- Monthly Subscription Cost $510.98
- Net Consumer Savings -$408.79
- Annual Benefit $102.20
## CS² PROGRAM - HOW DOES IT WORK

### Market Analysis
- Developers
- Rules/Compliance
- Tariff/Economics

### Simplify and Standardize
- Procurement/competition
- Billing processes/contract monitoring

### Protect the Consumer
- Competitive Procurement
- Fair terms and conditions
- Ongoing control and management

### Tasks for CS² Program

<table>
<thead>
<tr>
<th>Secure Suppliers</th>
<th>Consumer Outreach</th>
<th>Consumer Services</th>
</tr>
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<tbody>
<tr>
<td><strong>The CS² Program uses a competitive bidding process to identify developers willing to meet municipal requirements</strong></td>
<td><strong>The CS² Program and its Billing Administrator (MC Squared) design and send approved direct mailers to residents</strong></td>
<td><strong>The CS² Program and its Billing Administrator (MC Squared) connect residents to community solar farms</strong></td>
</tr>
</tbody>
</table>

**Tasks for CS² Program**
- Consult with municipalities
- Identify multiple developers
- Conduct competitive solicitations
- Negotiate final terms and conditions

**Tasks for CS² Program**
- Assist in all compliance filings
- Design, print and send direct mail
- Provide electronic sign up platform
- Review & Qualify consumer accounts

**Tasks for CS² Program**
- Match consumers to solar farms
- Electronic contract documents
- Electronic billing and reporting
- Call center, online support
DISCUSSION
### CS² PROGRAM - HOW TO JOIN

<table>
<thead>
<tr>
<th>TASKS FOR MUNICIPALITY</th>
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<tbody>
<tr>
<td>1 INDICATE INTEREST</td>
<td>2 FORMALIZE PARTICIPATION</td>
<td>3 ASSIST WITH OUTREACH</td>
</tr>
<tr>
<td>Municipalities engage with the CS² Community Solar Program by indicating their interest.</td>
<td>Municipalities join the CS² Community Solar Program by taking three (3) formal steps.</td>
<td>Municipalities then facilitate outreach to residents (all costs are covered by the CS² Program).</td>
</tr>
<tr>
<td>✓ Complete an Expression of Interest</td>
<td>✓ Pass a Resolution joining the Program</td>
<td>✓ Order mailing list from ComEd</td>
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<tr>
<td>✓ Consult with the Power Bureau</td>
<td>✓ Submit an Endorsement Letter to IPA</td>
<td>✓ Edit and Approve mailer</td>
</tr>
<tr>
<td>✓ Approve Subscription Terms</td>
<td>✓ Register as a Marketing Designee</td>
<td>✓ Upload materials on website</td>
</tr>
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<td></td>
<td></td>
<td>✓ Enroll a few municipal accounts</td>
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</table>
Compelling narrative
- No cost to municipality
- Supports renewable development in Illinois
- Guaranteed savings to consumers
- Works with and without municipal aggregation

Limited supply
- No new supply for 3-4 years
- Early adopters will receive the best terms

Community Solar in ComEd Region
- Proposed Projects: 433
- Selected Projects: 78
- Incentives Committed (15-years): $227,462,000
- Annual Generation (kWh): 265,300
- Annual Value of Generation ($): $11,142,000
  - Equivalent number of households: 29,500
Thank You!

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The Power Bureau
219/921-3828
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