



May 2023

Lake County Community Solar

 **Tradition** Energy

Community Solar

Support the development of renewable electricity generation within your community and receive bill credits for participating.



SOLAR in YOUR AREA

ENERGY



UTILITY AREA

INVOICE CREDITS



YOUR ORGANIZATION

Solar farms are **funded by state programs** that incentivize the development of clean, safe **renewable electricity generation**.

This electricity is generated and delivered to the utility grid.

You receive electricity from the grid how you always do – either through the utility or through a third-party supplier.

By signing up to participate with a Community Solar provider, **you receive a credit on your utility bill** based on electricity generated that month.

You receive **~10% of the utility bill credit** for participating in CS, **reducing your total energy spend**.

The CS provider is funded for the development through your payments into the program as well as payments from the utility.

BENEFITS: Cost Savings, Low Risk, Support Sustainability Efforts

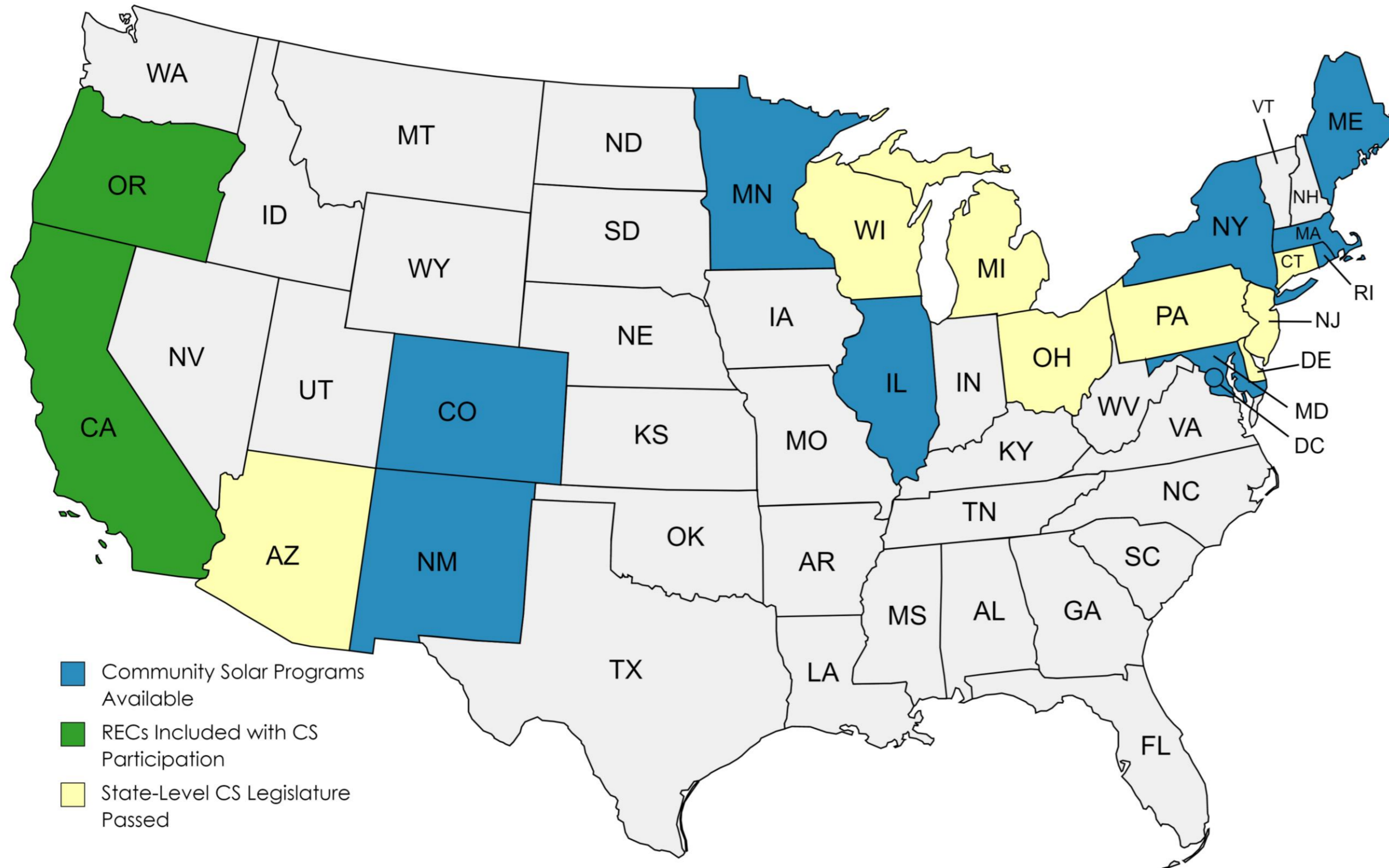
Benefits of Community Solar

Benefits of participating in Community Solar include:

- **Cost Savings** – guaranteed savings of up to 10%* of your monthly utility invoice
- **Low Risk** – \$0 investment required and no solar installation on your property
- **Support renewable energy generation** within the community
- **Immediate impact** – credits applied within 2-3 billing cycles if your accounts qualify and there is available capacity
- **Zero disruption** to your existing third-party electricity supply agreement
- **RECs included with participation in CA & OR** – California and Oregon CS programs provide associated RECs for participating, making a portion of your electricity usage carbon neutral

**Guaranteed Savings percentage will depend on the state, utility, customer type, and customer size. For example, MA Municipal customers receive a \$0.04/kWh higher incentive compared to private customers.*

Community Solar by State



Community Solar Eligibility

Almost all electric accounts are eligible to participate.

Eligibility requirements:

- The state and utility must have an **active program and open capacity.**
- The signing entity must **pass a credit check.**
- **Specific electric rate codes qualify** in each state and utility.
- The account's **kW demand** (size) will determine if it is eligible to become an **“anchor” account.**
- Most state CS programs prioritize **Residential** accounts and **Low- and Middle-Income** accounts by giving a **higher bill credit.**

Community Solar Milestones

Review proposal from developer and sign credit sales agreement

Sign Agreement

You are here

Permits Issued Q3

Developer begins mobilization for arrays which they hope to complete in ~6 months

Project In Construction
(4-8 months)

Commercial Operation Date

First credits will hit account 2-3 months after site is energized

Project Operating
(10-25 years)

Tradition to verify community solar savings through bill audit after first year of billing

Community Solar Invoice Example

This is an example of how community solar credits show up on your bill.

- In the example below, this account received a **\$262.20 utility credit**. The total utility charge is \$286.63.
- The customer credit from the CS provider was **\$26.22**, or **10%** of \$262.20. The CS provider invoices for the remaining **90%**, or **\$235.98** in this example.
- **The net utility payment is \$24.43.**
- **The net monthly electric cost is \$260.41** (\$235.98 + \$24.43) for a **net savings of \$26.22**, or **9.15% off the utility bill.**

nationalgrid SERVICE FOR: Jun 26, 2020 to Jul 28, 2020 BILLING PERIOD: Jun 26, 2020 to Jul 28, 2020 PAGE 2 of 3

Customer Name: [Redacted]
Address: [Redacted]
Town, State, Zip: [Redacted]

ACCOUNT NUMBER: ***1054321 PLEASE PAY BY: Aug 21, 2020 AMOUNT DUE: \$ 155.56

Enrollment Information
To enroll with a supplier or change to another supplier, you will need the following information about your account:
Loadzone: WCMA
Acct No: ***1054321

Month	kWh	Month	kWh
Aug 19	1689	Mar 20	1192
Sep 19	1467	Apr 20	661
Oct 19	1197	May 20	907
Nov 19	1427	Jun 20	1614
Dec 19	1417	Jul 20	2137
Jan 20	1729	Aug 20	2154
Feb 20	1719		

Customer Charge		7.00
Dist Chg	0.07423 x 2154 kWh	159.90
Transition Charge	-0.00086 x 2154 kWh	-1.85
Transmission Charge	0.0313 x 2154 kWh	67.42
Energy Efficiency Chg	0.02098 x 2154 kWh	45.20
Renewable Energy Chg	0.0005 x 2154 kWh	1.08
Distributed Solar Charge	0.00356 x 2154 kWh	7.67
Electric Vehicle Charge	0.00009625 x 2154 kWh	0.21
Total Delivery Services		\$ 286.63

Other Charges/Adjustments

Paperless Billing Credit	-0.36
Transfer Credit/Charges	-262.20
Total Other Charges/Adjustments	-\$ 262.56

CS Partner Invoice

Customer Name: [Redacted]
Address: [Redacted]
Town, State, Zip: [Redacted]

Invoice: 2020987654321 Date: September 1, 2020

ACCOUNT SUMMARY

Previous Balance	\$0.00
New Charges	\$235.98
Current Balance	\$235.98

This Month's Savings \$26.22

For questions: [email us](#), or [login to your account](#)

New Charges By Site And Service Address

Production Site: Northampton Solar Production Period: 06/09/2020 - 07/09/2020

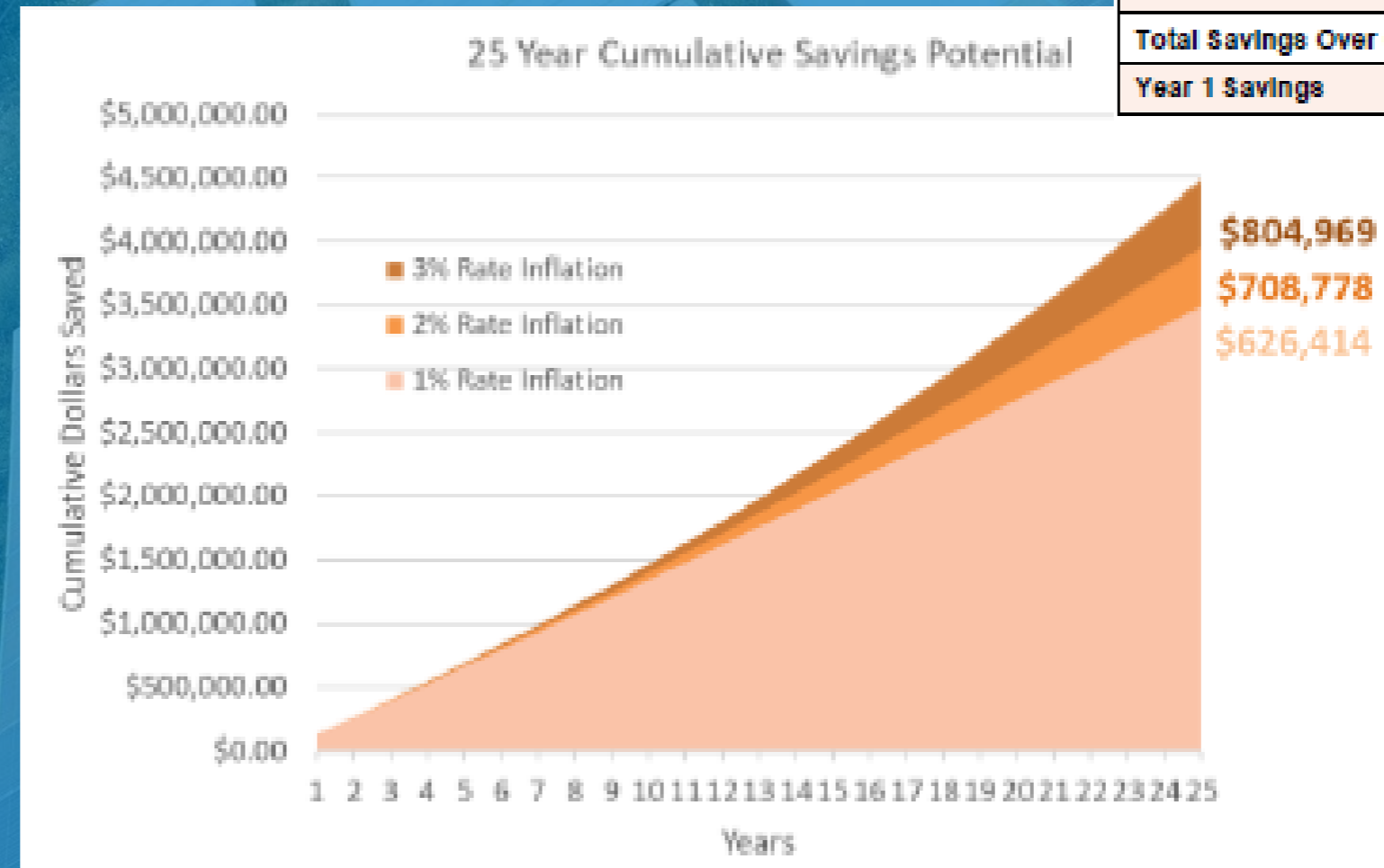
Service Address	Utility Account	Description	Amount
Customer Address	***1054321	3,112 kWh and \$262.20 bill credits allocated @ 10% discount	\$235.98
		Subtotal	\$235.98

Total New Charges \$235.98

Proposal: Lake County – Partial Allocation

- CS Partner: **Nexamp**
- Discount: **10% off utility bill**
- Year 1 savings: **~\$23,000**
- Average annual savings: **~\$28,000**
- Lifetime savings: **~\$708,000**
- Contract term: **20 years**
 - plus **5 year** renewal option
- Total kWh subscribed: **3,200,000 kWh**
 - **8%** of total usage of accounts that qualify
- Projects subscribed to: **2 projects**
 - **40%** of total capacity from project(s)
- Credits will start: **~Q1 2024**
- Investment: **\$0**

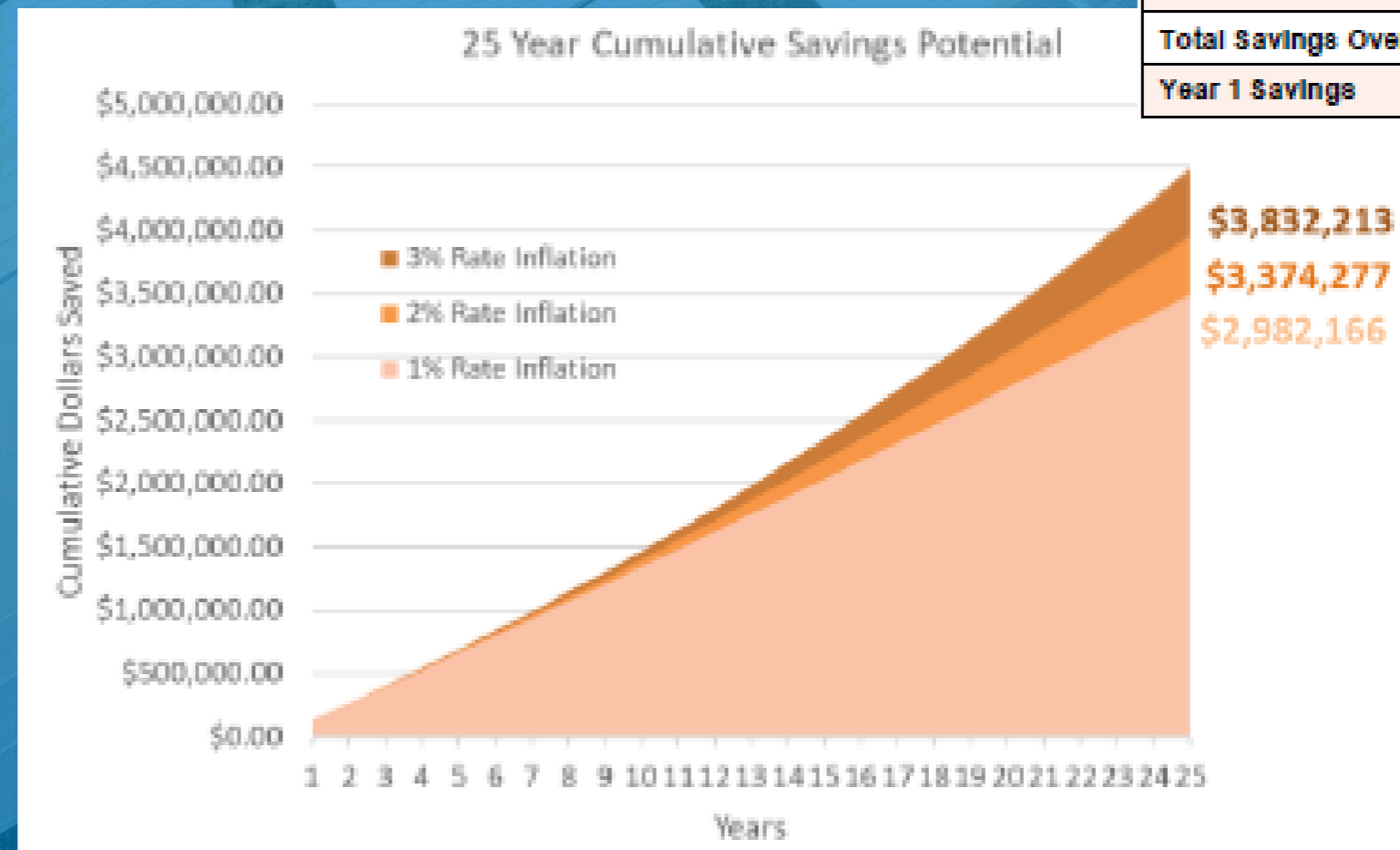
Lake County– Eligible Spending	
ComEd Eligible Spending	~\$280k
Suggested Credit Delivery	~\$234k
Nexamp Projects	
Number of Projects	2
Average Project Size	2.2 MW DC
Lake County Project Allocations	40% of 2 projects
Lake County MW	2.181 MW DC
Est. Credit Rate	\$0.0695/ kWh
Year 1 Credit Value	\$234k
Discount Rate	10%
Total Savings Over Contract	~\$708k
Year 1 Savings	~\$23k



Proposal: Lake County – Full Allocation

- CS Partner: **Nexamp**
- Discount: **10% off utility bill (*85% of usage allocated to avoid over-crediting*)**
- Year 1 savings: **~\$111,000**
- Average annual savings: **~\$129,000**
- Lifetime savings: **~\$3,300,000**
- Contract term: **20 years**
 - plus **5 year** renewal option
- Total kWh subscribed: **15,200,000 kWh**
 - **40%** of total usage of accounts that qualify
- Projects subscribed to: **6 projects**
 - **40%** of total capacity from project(s)
- Credits will start: **~Q3 2024**
- Investment: **\$0**

Lake County– Eligible Spending	
ComEd Eligible Spending	~\$1.7M
Suggested Credit Delivery	~\$1.3M
Nexamp Projects	
Number of Projects	6
Average Project Size	4.5MW DC
Lake County Project Allocations	40% of 6 projects
Lake County MW	10.3 MW DC
Est. Credit Rate	\$0.0695/ kWh
Year 1 Credit Value	\$1.1M
Discount Rate	10%
Total Savings Over Contract	~\$3.3M
Year 1 Savings	~\$111k



Proposal: Local Solar Offtake

- Why are the arrays in the proposal not located in Lake County?
 - **Solar developers arbitrarily chase land parcels based on cost to lease, proximity to electrical infrastructure, and other environmental factors. As a more populous county, developers may have assumed higher land cost compared to other counties served by ComEd.**
- Is there a path to recognizing savings from arrays in county territory?
 - **Lake County can sign up with existing Nexamp fields now to begin recognizing savings. When Nexamp builds arrays within Lake County, they can contact your utility to switch county accounts onto credits from local arrays.**
- How can the Lake County Government bring solar jobs, tax revenue, and cost-savings to the county and residents?
 - **Lake County may have lucrative opportunities to engage with Nexamp and other developers to bring solar arrays to county land. Current land lease rates are ~\$1,800/acre/year for qualified sites.**
 - **More info on the following slide.**

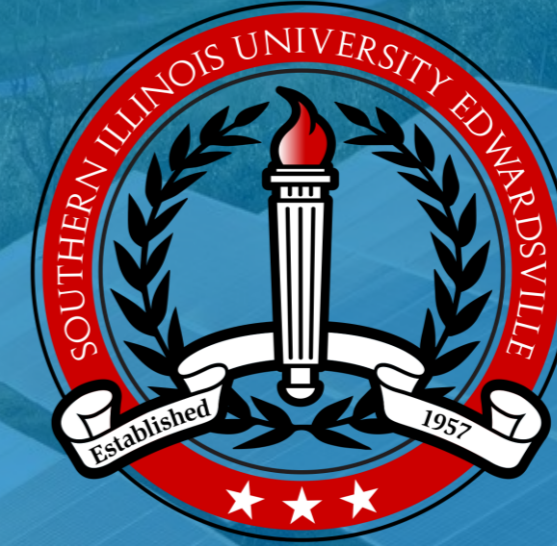
Proposal: Land Opportunity

- Lake County has ample land available for the development of Community Solar arrays
- Lake County would be paid a per acre lease rate
- Assessment process would include site feasibility surveys and proposed lease rates
- Brownfield sites (landfills and contaminated land) are available to be built on
 - Nexamp would help offset the cost of remediation or capping of the site
- A portion of the energy generated from the farm could be reserved for both Lake County and its residents
 - Nexamp would offer educational opportunities to local schools whereby students would visit the sites to learn about the solar development process

Community Solar Case Study

Southern Illinois University Edwardsville:

- **37,000,000 kWh** subscribed on 5 projects
- **1-year savings of ~\$130,000**
- **20-year savings of ~\$3,900,000**
- **Building on-site PPA for further 17,000,000 kWh on university land**



SIU-E – Eligible Spending	
Ameren Eligible Spending	~\$1,537,015
Suggested Buffer	85%
Suggested Credit Delivery	~\$1.3M
Nexamp Projects	
Number of Projects	5
Average Project Size	4.5MW DC
SIU-E Project Allocations	36% of 5 projects
SIU-E MW	8 MW DC
Est. Credit Rate	\$0.1044 / kWh
Year 1 Credit Value	\$1,308,725
Discount Rate	10%
Total Savings Over Contract	~\$3.9M
Year 1 Savings	~\$130k

Thank You

Although the information contained herein is from sources believed to be reliable, TFS Energy Solutions, LLC and/or any of its members, affiliates, and subsidiaries (collectively "TFS") makes no warranty or representation that such information is correct and is not responsible for errors, omissions or misstatements of any kind. All information is provided "as is" and on an "as available" basis and TFS disclaims all express and implied warranties related to such information and does not guarantee the accuracy, timeliness, completeness, performance or fitness for a particular purpose of any of the information. The information contained herein, including any pricing, is for informational purposes only, can be changed at any time, should be independently evaluated, and is not a binding offer to provide electricity, natural gas and related services. The parties agree that TFS's sole function with respect to any transaction is the introduction of the parties and that each party is responsible for evaluating the merits of the transaction and credit worthiness of the other. TFS assumes no responsibility for the performance of any transaction or the financial condition of any party. TFS accepts no liability for any direct, indirect or other consequential loss arising out of any use of the information contained herein or any inaccuracy, error or omission in any of its content. This document is the property of, and is proprietary to, TFS Energy Solutions, LLC and/or any of its members, affiliates, and subsidiaries (collectively "TFS") and is identified as "confidential." Those parties to whom it is distributed shall exercise the same degree of custody and care afforded their own such information. TFS makes no claims concerning the validity of the information provided herein and will not be held liable for any use of this information. The information provided herein may be displayed and printed for your internal use only and may not reproduced, retransmitted, distributed, disseminated, sold, published, broadcast or circulated to anyone without the express written consent of TFS. Copyright © 2023 TFS Energy Solutions, LLC d/b/a Tradition Energy

Appendix County Accounts Subscribed



Account #	Utility/TDSP	Service Address	Service City	State	Service Zip
1093103006	Comed	20 Volo Village Rd	Volo	IL	60041
1280419008	Comed	1140 N Butterfield Othr 3011	Libertyville TWP	IL	60048
1285380002	Comed	15 S County St	Waukegan	IL	60031
1333052057	Comed	1792 N Nicole LN	Round Lake Beach	IL	60073
1521092134	Comed	20771L W Rand Rd	Ela TWP	IL	60010
1543108122	Comed	37010N Lake Shore Dr	Lake Villa	IL	60046
1551369004	Comed	1 W Countrysidessmi OTHR 6103	Freemont TWP	IL	60030
1551397017	Comed	6102-28000 Countryside Lake Fr	Freemont TWP	IL	60030
1551573017	Comed	57 Middleton PKWY OTHR 4549	Long Grove	IL	60047
1551583004	Comed	26499 N Midlothian Rd OTHR 4521	Mundelein	IL	60048
1598609030	Comed	18698 W Peterson Rd	Libertyville TWP	IL	60048
1611126027	Comed	32850 N John Mogg Rd	Grayslake	IL	60030
1683052101	Comed	26320 N Oak Ave	Mundelein	IL	60048
1823004058	Comed	19521 West Shore Dr	Freemont TWP	IL	60030
1835167006	Comed	36118 N Brookside Dr	Gurnee	IL	60031
1847009000	Comed	301 Greenleaf Ave	Park City	IL	60085
1850334012	Comed	Lift 134016275 W Des Plainess Dr	Libertyville	IL	60048
1850612002	Comed	650 W Winchester Rd OTHR 7701	Libertyville	IL	60048
1883580006	Comed	0 S RT 120 OTHR 5110	Grayslake	IL	60030
1950349006	Comed	3004 Grand Ave Unit B	Waukegan	IL	60031
1950350027	Comed	3010 Grand Ave	Waukegan	IL	60031
1950351006	Comed	3004 Grand Ave Unit A	Waukegan	IL	60031
2010041006	Comed	1840 Green Bay Rd	Highland Park	IL	60035
2124073036	Comed	0 N Scott CT	Fox Lake	IL	60002
2163091149	Comed	18735 W Peterson Rd	Libertyville TWP	IL	60048
2451138115	Comed	352037389 N Grandwood Dr	Warren TWP	IL	60030
2507129000	Comed	34408 N Circle Dr	Round Lake	IL	60073
2547026042	Comed	292 E Townline Rd	Vernon Hills	IL	60061
2570125032	Comed	22029 Prairie LN Pump	Kildeer	IL	60047
2811119045	Comed	32514 Forest Dr	Grayslake	IL	60030
2852043051	Comed	37016 N Deertrail Dr	Warren TWP	IL	60030
2907005049	Comed	30109 N Park Rd	Libertyville	IL	60048
2995136020	Comed	1911 27th St	Zion	IL	60099
3040554008	Comed	20630 Juneway Ave Othr 4105	Deerfield	IL	60015
3100096010	Comed	0 E Quentin Rd	Kildeer	IL	60047
3111074066	Comed	0 W Terra Springs CIR	Volo	IL	60041
3143684103	Comed	501 N Riverside DR STE 106	Gurnee	IL	60031
3259100058	Comed	36135 N Woodland Ter #35	Gurnee	IL	60031
3363045026	Comed	224 W Clarendon	Round Lake	IL	60073

3635182001	Comed	2410 Belvidere St	Waukegan	IL	60031
3649820103	Comed	905 Lakeside Dr Unit 7S	Gurnee	IL	60031
3723035053	Comed	34088 Needle Grass CT OTHR	Grant TWP	IL	60041
5123076018	Comed	4699 Royal Melbourne DR Lift Station	Long Grove	IL	60047
5307109025	Comed	500 W Winchester Rd	Libertyville	IL	60048
5313053025	Comed	14195 W HWY 60 #7701	Lake Forest	IL	60035
5983009039	Comed	1805 N Baywood CT !N Greggs PY	Vernon Hills	IL	60061
6311073020	Comed	0 SE Long Grove Rd	Kildeer	IL	60047
7779160018	Comed	646 W Winchester RD	Libertyville	IL	60048
8361070017	Comed	0 W Forest Ave	Ingleside	IL	60041
8439087035	Comed	0 E Cuba Rd	Kildeer	IL	60047
0004316711	Comed	28537 N Ballard Dr	Vernon TWP	IL	60004
0007006046	Comed	Pump Station 190 W Washington ST	Grayslake	IL	60030
0050547003	Comed	5 W Grove Unit 7221, SS Rollins	Grant TWP	IL	60041
0050572006	Comed	34408A N Circle Dr	Round Lake	IL	60073
0053128073	Comed	0 N Nippersink RD Bldg	Grant TWP	IL	60041
0093030132	Comed	Lift Station 5130 Aptakisic Rd	Long Grove	IL	60047
0111551001	Comed	15170 W Pekara Dr OTHR 4220	Vernon TWP	IL	60004
0123163002	Comed	00NS Sandlake RD Unit 3710	Warren TWP	IL	60030
0126391008	Comed	18 N County St	Waukegan	IL	60031
0132290003	Comed	1712 Main St OTHR 7220	Grant TWP	IL	60041
0132352008	Comed	0 N RT 59 Othr 7222, 2 N Petite	Lake Villa TWP	IL	60046
0163030144	Comed	120 S Martin Luther King Jr Ave	Waukegan	IL	60031
0203305006	Comed	33987 N RT 45 Unbit 2620	Wildwood	IL	60030
0270733018	Comed	1303 N Milwaukee Ave	Libertyville	IL	60048
0270737007	Comed	600 W. Winchester RD	Libertyville	IL	60048
0275027079	Comed	20139 W Highway 22	Kildeer	IL	60047
0318096007	Comed	1311 N Estes St	Gurnee	IL	60031
0341026015	Comed	2215 14th St	Waukegan	IL	60031
0403145175	Comed	PUMP 25532 N Hilgers CT	Mundelein	IL	60048
0434154006	Comed	50 S American Way Unit 3121	Vernon Hills	IL	60061
0495170039	Comed	215 Water St	Waukegan	IL	60031
0507103102	Comed	34240 E Lakeside	Grayslake	IL	60030
0513054067	Comed	33335 N Fish Lake Rd	Round Lake	IL	60073
0668078019	Comed	27505 N Thorntree Rd	Fremont	IL	60030
0744169079	Comed	1100 Sunset Ave	Round Lake Beach	IL	60073
0815104011	Comed	26256 N Acorn LN	Mundelein	IL	60048
0859064010	Comed	1301 N Milwaukee Ave	Libertyville	IL	60048
0877142026	Comed	105 Telluride LN	Volo	IL	60041
0927037143	Comed	26340A N Elmwood Ave	Mundelein	IL	60048
0978115007	Comed	423 E Washington ST	Round Lake Park	IL	60073
5385071031	Comed	INFO CNTR 600 W Winchester RD	Libertyville	IL	60048