



the eco-action report

Joule Community Power

2022 REVIEW



JOULE
COMMUNITY POWER

a division of Joule Assets, Inc.

OUR VISION

Clean Energy For All

JOULE COMMUNITY POWER IS HELPING COMMUNITIES ACCESS CLEANER AND CHEAPER ELECTRICITY ON THEIR OWN TERMS.

This report covers Joule Community Power's footprint and impact in 2022 and a 2023 outlook. The report includes a look at who we serve, our performance in terms of cost savings for program participants and environmental accomplishments.

PERFORMANCE OVERVIEW

800,000

New Yorkers
represented

\$18 Million

in customer electricity
cost savings in 2022

99.5%

of our customers have
saved money on their
electricity costs

Data as of December 31 2022.

Participation



JOULE SERVES 56 MUNICIPALITIES, HELPING THEM ACHIEVE THEIR ENERGY GOALS, REDUCE THEIR CARBON FOOTPRINT AND STRENGTHEN CONSUMER PROTECTIONS.



2022 – A YEAR OF GROWTH:

A record number of 17 new municipalities chose Joule as their advisor, enabling us to help them reach their energy and sustainability objectives. Joule now represents 800,000 NY residents and small businesses.



2023 – 33 COMMUNITIES IN SEARCH OF RENEWABLE ELECTRICITY:

Joule is going out to bid for bulk purchases of renewable electricity supply on behalf of 33 municipalities – a Joule record.

CCA or Community Choice programs, enable municipalities to provide their residents with better deals on electricity by forming buying groups for electricity supply. The program model increases consumer protections, provides price stability, and enables entire communities to switch to renewable electricity. By so doing, community choice becomes a powerful tool for communities looking to protect residents from market volatility and achieve their sustainability goals.

Environmental Impacts

The following data represents environmental impacts of Joule Community Power's community choice aggregation programs (CCA) for 2022.



JOULE IS CHANGING THE WAY WE CONSUME ELECTRICITY BY MAKING IT EASY FOR COMMUNITIES TO SWITCH OVER TO RENEWABLE ELECTRICITY AT SCALE.

Community choice is one of the most effective ways to enable large groups of people to switch to renewables in one go.

Municipal leaders across NY State have stepped up to the challenge of moving away from fossil fuels and are using Joule's community choice programs to provide their residents and businesses with renewable electricity. More than 80% of Joule's community choice program participants have switched to renewable electricity, allowing our communities to reach sustainability targets and reduce their carbon footprint.

In 2023 Joule is scheduled to go out to bid for 1.5 million MWh of renewable electricity on behalf of our communities.

522 MILLION KWH RENEWABLE ENERGY CONSUMED

Participants have used over 522 million kWh of 100% renewable electricity sourced right here in New York State.

58,600 METRIC TONS

CO₂e AVOIDED

Participants helped avoid over 58,600 metric tons of carbon dioxide equivalent emissions from what would have been produced using the local utilities' default supply.

12,600 CARS

TAKEN OFF THE ROAD

CO₂ emissions avoided from Joule's program participants is the equivalent of taking 12,600 cars off the road for 1 year*.

* Reference: [EPA Power Profiler Emissions Tool 2020](#)

According to NY State records, in 2021 CCAs accounted for more than 30% of New York renewable electricity voluntarily purchased, for 2022 the percentage is estimated to be higher – a true testament to the power of local action.

Reference: [NYGATS](#)

Savings Performance

**JOULE HAS SAVED 99.5% OF OUR
CUSTOMERS MONEY ON THEIR
ELECTRICITY COSTS.**

As of December 31, 2022.

In 2022, 100% of our Joule Communities with active community choice programs saved money on their electricity supply costs. By paying our programs' electricity supply rates, participating households saved a total of \$18.2 million in 2022, compared to if they had been paying the utility's rate for electricity supply.

Our community choice programs' price stability protects residents from unpredictable electricity bills. In 2022 this had an especially big impact for our program participants as the energy market saw record high price volatility.

Total customer savings

\$18 Million

Joule Community Power's fixed residential electricity supply rates were lower than the utilities' supply rates for most months in 2022, saving households in the participating communities a total of \$18.2 million – an average of \$180/household.

Additional savings through community solar:

More than 3,000 households in Joule's communities are enrolled in community solar programs, through which they have saved a total of more than \$500,000 since 2019. Customers may participate in community choice and community solar programs simultaneously. Community solar enables customers to support new local solar farms, and access guaranteed savings on their electricity bills through bill credits.

% of customers who have saved since
our first program launch in 2019

99.5%

% of customers who saved in 2022

100%



New and Budding Initiatives

Joule is expanding our scope of services helping municipalities and local organizations achieve their sustainability objectives.

Our new services focus on local project ownership, increasing local resiliency, and involving and benefiting disadvantaged communities. In this section we cover two initiatives we worked on in 2022, a community solar project on municipal land and an energy storage project with a rescue mission. This year, we look forward to offering services like these to our partnering communities across the state.

ENERGY STORAGE PROJECT WITH NON-PROFIT ORGANIZATION

Joint project with Rochester's Open Door Mission selected for federal program, now completing the Technical Assistance stage of the Energy Storage for Social Equity Program

The joint project, addressing energy costs and reliability, is one of fourteen proposals selected for U.S. Department of Energy sponsored Energy Storage for Social Equity (ES4SE) program, a \$9 million effort intended to address energy affordability in disadvantaged communities that suffer relatively higher impacts from energy service disruptions and costs.

With an emphasis on creating local jobs, the project aims to develop solar and energy storage as well as electric vehicle charging facilities at one of the Mission's Rochester sites, supporting resilience for all operations.

COMMUNITY SOLAR ON MUNICIPAL LAND

First community solar project on Long Island

Joule is working with the Town of Southampton to construct a 4MW solar farm on a closed municipally owned landfill; the project will first offer solar bill credits to low- to moderate-income households, guaranteeing those who join savings on their electricity bills. This will be the first community solar project built on Long Island.

Joule is actively working with additional communities to roll this service out across NY State.



Get Involved

HELP YOUR COMMUNITY BENEFIT FROM
CLEANER AND CHEAPER ELECTRICITY!

Contact us if you are interested in creating
change in your community.

Available opportunities for communities:

- Renewable electricity supply
- Community solar or energy storage on local land
- Low- to moderate-income solar and storage benefit opportunities
- Opportunities facilitated by the Inflation Reduction Act (IRA):
 1. Payment for local project development and ownership
 2. Job training and placement opportunities

Contact us to get involved!

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