

## European Solar Energy Storage

# How much of jea s energy comes from solar



## Overview

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Additionally, JEA purchases energy from eight solar photovoltaics (PV) facilities, ranging from 1 MW AC to 12 MW AC in size, across the service territory. In 2023, JEA added 150 MW of solar through a purchased power agreement, and sought bids for the addition of approximately 300 MW of solar and.

The utility’s approach centers largely around two prominent energy sources: nuclear power and solar energy. Spokesperson Karen McAllister highlights the collective benefits all customers gain from these green efforts. Just two years ago, clean energy represented a mere 2% of JEA’s overall energy.

SolarMax is for big power users: customers that use a minimum of 7 million kWh of energy every year. Companies sign either a five- or 10-year contract, and they specify how much solar energy they buy, up to 100% of their total usage. Companies can also opt to pay more to support building JEA’s.

The International Energy Agency estimates that by 2027, more electricity will be generated worldwide by solar power than any other source, including coal and natural gas. The lower cost of solar power is just part of the story. Solar power is also more secure – it offers a reliable source of cheap.

JACKSONVILLE, Fla. – JEA is making significant progress toward its clean energy goals, aiming to have 35% of its energy mix sourced from clean energy by 2030. The utility company’s clean energy efforts rely heavily on two primary sources: nuclear power and solar energy. JEA spokesperson Karen.

JEA has been producing solar energy since the 1990s. Currently, JEA receives clean energy from 8 solar facilities across Northeast Florida, with capacities ranging from 1 megawatt (MW) to 12 MW. Light hits the solar panels and the solar energy is converted into direct current (DC) electricity. The. Does JEA use solar?

The ground-mounted, fixed photovoltaic system uses 100 percent renewable energy (sunlight) and JEA receives all electricity and renewable energy credits generated by Jacksonville Solar for a 30-year term.

Where does JEA buy energy?

JEA purchases energy from eight solar photovoltaics (PV) facilities, ranging from 1 MW AC to 12 MW AC in size, across the service territory. Jacksonville Solar is a 15 MW DC solar photovoltaic (PV) facility located in west Jacksonville near Baldwin. It began generating energy in 2010.

How much solar energy does JEA need?

Stowe said JEA would still need 500 to 600 more megawatts from solar to reach its 2030 clean energy targets. “We just didn’t do what we needed to do along the way to be at 4% (renewable energy) today.

Is JEA planning to expand its solar farms?

JEA has some small-scale solar farms such as arrays on JEA property at the Brandy Branch Generating Station. An ongoing plan for how to deliver electricity in the future is examining an expansion of such solar farms to add renewable energy to the mix.

When will JEA start generating electricity?

JEA officials said Unit 3 of the delayed nuclear Plant Vogtle expansion near Waynesboro, Georgia, which will produce carbon-free electricity, is projected to start providing energy for JEA in May or June. Unit 4 could be in service in the fourth quarter of 2023 or first quarter of 2024.

What will JEA do by 2030?

In addition to the clean energy increase, the plan says by 2030 JEA will:

- Reduce carbon dioxide emissions by 80% from 2005 levels.
- Retire less-efficient power generation.
- Power JEA facilities with 100% clean energy.
- Offset vehicle and other electrification demand with energy efficiency

programs.

## How much of JEA's energy comes from solar

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### JEA hopes to expand solar energy footprint , firstcoastnews

JEA's goal is to increase the total amount of energy that comes from solar to 24% by 2020 with another 11% from nuclear energy.

### SolarSmart , Rates , My Account , JEA

JEA SolarSmart gives all JEA's residential and small- to medium- sized commercial customers an option to benefit from solar energy without having solar panels. Customers can have 100% of ...



### Solar Generation , Electric Facilities

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### Generation Strategy , Electric Generation , About , JEA

In 2023, JEA added 150 MW of solar through a

purchased power agreement, and sought bids for the addition of approximately 300 MW of solar and battery energy storage resources.

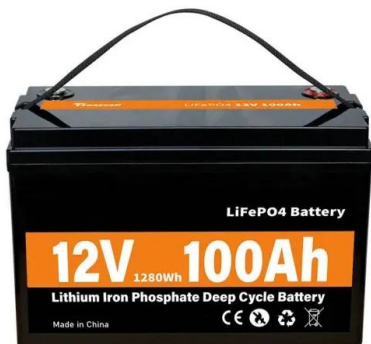


## Solar Concierge Program , Solar Options , Environment

With the growing popularity of solar photovoltaic (PV) and solar battery storage installations, JEA offers a Solar Concierge Program for our customers. Through this program, our goal is to give ...

## Understand My Bill

Unlike the JEA bill you might have received previously, a distributed generation bill shows the amount of energy purchased from JEA and the amount of energy that is being sold back to ...



## JEA's Clean Energy Growth: A Promising Shift and Its Price Tag

JEA's Commitment to Clean Energy Jacksonville Electric Authority (JEA) has shown remarkable strides in its commitment to clean energy, paving the way for a ...

## Electricity in the U.S.

The three major categories of energy for electricity generation are fossil fuels (coal, natural gas, and petroleum), nuclear energy, and renewable energy. Most electricity is ...



## **Solar Generation , Electric Facilities**

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## **JEA sets 2030 clean energy goals in Electric Integrated Resource ...**

The board voted 7-0 in favor of the energy efficiency and carbon reduction targets, part of JEA's yearlong Electric Integrated Resource Plan process, during its April 25 ...



## **35 Latest Solar Power Statistics, Charts & Data [2025]**

11.5% of global renewable energy comes from solar power. The largest renewable source is currently hydroelectric (57.7%) followed by wind (21.4%), according to the ...



## JEA eyes solar farms and new natural gas plant in coming years

JEA now gets just 1% to 2% of its electricity from renewable energy, mainly produced by eight small solar farms that provide a total of 39 megawatts of production.



## Solar Options , Environment

The amount of money you can save with solar depends upon how much electricity you consume, the size of your solar energy system, if you choose to buy or lease your system, and how much ...

## Environment , JEA

Building upon this clean energy leadership, JEA has recently expanded its solar initiatives, providing a range of solar energy options for residential customers, local businesses and the ...





## [Rates , My Account , JEA](#)

Through JEA SolarMax, large commercial customers can choose to have up to 100 percent of their business's energy needs met by solar power. Understanding Commercial ...

## How much of the world's energy comes from solar?

The global solar energy landscape is undergoing a significant transformation, as evidenced by the latest World Solar Report 2024 released by the International Solar ...



## [Electric Systems , About , JEA](#)

Brandy Branch Generating Facility Our Electric Business JEA owns and operates an electric system that includes four generating plants, over 745 circuit miles of transmission lines and more than 7,200 miles of distribution lines. JEA also ...

## Jacksonville utility should turn to cleaner energy sources

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## Solar Generation , Electric Facilities

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## JEA is making progress towards clean energy

"We are looking at adjusting rates, increasing rates in the coming year and it does play a factor," JEA spokesperson Karen Mcallister said. JEA's goal is to have 35% clean ...



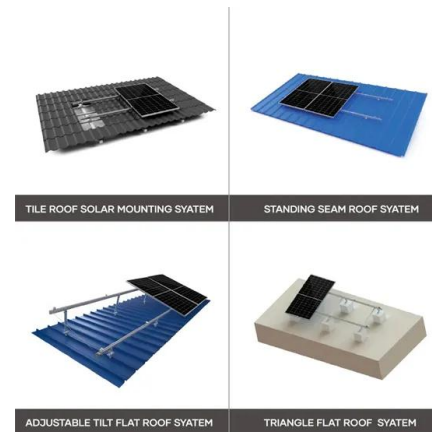
## Electric Systems , About , JEA

JEA also purchases solar energy from several small third-party owned solar resources located across the service territory. In 2024, the mix of resource types used to supply energy to ...



## Under JEA's SolarMax program, companies can get 100% electricity from solar

Non-SolarMax customers' solar percentage is based on JEA's energy mix, which currently sits at just 1% from renewable sources. That means the utility is heavily reliant ...



## Under JEA's SolarMax program, companies can get ...

Non-SolarMax customers' solar percentage is based on JEA's energy mix, which currently sits at just 1% from renewable sources. That means the utility is heavily reliant on fossil fuels -- especially natural gas, which ...

## Electric Facilities , Electric Generation , About , JEA

Learn More About Our Combustion Turbine Facilities Solar Jacksonville Solar JEA has been a pioneer in bringing solar energy to Jacksonville since the 1990s. Today, JEA has approximately 39 MW of solar throughout Jacksonville. JEA is ...



## Private Solar , Environment , JEA

Energy Efficiency: Before going solar, reduce your overall electricity usage by making energy-efficient upgrades. Making your home more energy efficient reduces the amount of power you ...



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## JEA's Clean Energy Growth: A Promising Shift and Its Price Tag

With a goal of achieving 35% of its energy mix from clean sources by the year 2030, JEA is not just talking the talk; it's walking the walk. The utility's approach centers largely ...

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