

What is APS' largest solar power plant?

This summer, APS flipped the switch on its largest solar power plant. The Agave Solar Plant southwest of Phoenix is providing 150 megawatts (MW) of capacity to the APS electric system. That's enough power for 24,000 homes.

Does APS have a rooftop solar system?

As the largest electricity provider in the state, APS and its customers have been a big part of that achievement: APS ranks 4th nationally for the percentage of residential customers with rooftop solar systems. APS customers installed a record amount of residential solar capacity in 2021.

What is APS Solar communities?

The APS Solar Communities program provides a way for more people who are interested in protecting the environment to install rooftop solar systems with nearly \$600 in annual bill credits to residential customers with limited and moderate incomes.

How many solar systems are installed in APS service territory?

Nearly 141,000 solar systems on customer rooftops and parking structures are already connected to the APS smart grid, providing almost 1,300 megawatts of robust solar capacity. Last year the amount of residential solar generating capacity installed in APS service territory was 20% higher than 2020.



The Red Rock Solar Plant eclipsed APS's 35-MW Foothills Solar Plant near Yuma, Ariz., as the utility's largest. APS developed the project in conjunction with ASU and PayPal, after both committed to purchasing the electricity produced at the site. The Red Rock Solar Plant is co-located with APS's Saguaro Natural Gas Power Plant, in



The AZ Sun Program was approved by the ACC and enables APS to invest in the development of up to 200 megawatts of solar photovoltaic power plants across Arizona. APS will finance and own the projects, which are being designed and constructed by third-party solar developers, contractors and equipment providers. AZ Sun is good for APS customers



Factoring in the 50-megawatt battery and 65-megawatt solar power plant included in that system, that brings APS' recently announced contracts for new clean energy resources to more than 1



APS will add battery storage to its existing fleet of solar power plants, build new solar plants with storage, and use storage to deliver cleaner energy to customers at times of peak energy usage. As a result, APS customers will be able to use solar energy even after the sun goes down. The first project will be a 100-megawatt solar-storage



It's National Clean Energy Week, Sept. 25-29, and Arizona Public Service (APS) is making steady progress on the path to powering homes and businesses with electricity that is 100% clean and carbon-free.. This summer, APS flipped the switch on its largest solar power plant. The Agave Solar Plant, southwest of Phoenix, is providing 150 megawatts of capacity to ???



Arizona Public Service Co. and AMEC announced today the completion of the first 17 megawatts (MW) of the Foothills Solar Power Plant ??? the fifth APS AZ Sun facility and the first ever solar project to be built on Arizona State Trust Land. The plant is being built in two phases: the first 17MW is now online, and the remaining 18MW is scheduled



This production pushed Palo Verde's lifetime output to more than a billion megawatt-hours ??? the only nuclear power plant to surpass that milestone. Largely because of Palo Verde, combined with an array of renewables (especially solar facilities), APS began this journey to 2050 with an energy mix already 50% clean.



By 2027, APS will seek to add more than 6,000 MW of solar and wind power, coupled with battery storage, which will provide the greatest long-term value and affordability to customers. In 2024 alone, APS has added 216 MW of large-scale wind energy and an additional 215 MW of large-scale solar .



YUMA ??? A new large-scale energy storage system ??? connected to an existing APS solar power plant in the Yuma Foothills ??? now provides electricity to customers, even after the sun sets. The 35-megawatt Foothills plant is one ???



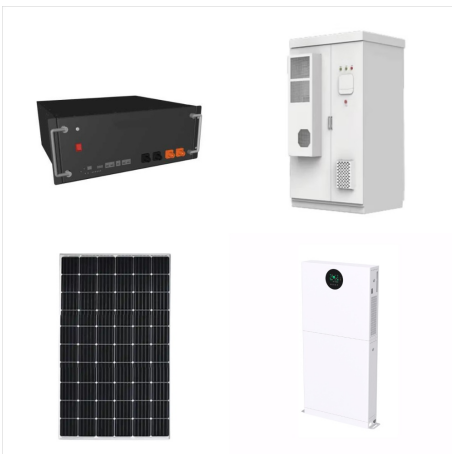
That last point is important for Arizona's clean energy future. The modern Ocotillo Power Plant helps us integrate more renewable energy into our system because its new quick-start generators can be up and running in less than six minutes ??? delivering energy to customers when clouds roll in or the sun sets and solar production wanes.



APS serves more than 1.3 million homes and businesses in 11 of Arizona's 15 counties, and is a leader in delivering affordable, clean and reliable energy in the Southwest. The company is committed to serving customers with 100% clean power by 2050. As owner and operator of Palo Verde Generating Station, the nation's largest producer of carbon-free ???



Customers will own these water heaters, and the units will heat a home's water when excess solar generation is available. APS will give customers an instant rebate for the full installed price of the equipment. Additionally, customers can save money over the lifetime of the unit. APS Virtual Power Plant Helps Cool Demand on Grid. 4/12

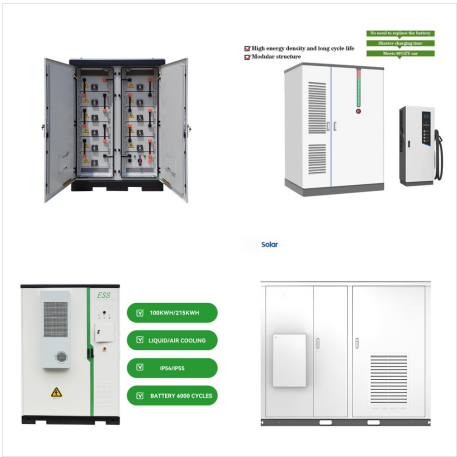


After the hearing, the Arizona Power Plant and Transmission Line Siting Committee granted a Certificate of Environmental Compatibility for the Redhawk Power Plant Expansion Project on August 22, 2024. The CEC was then considered by the Arizona Corporation Commission (ACC) at an Open Meeting on October 8, 2024, where it was approved.



With abundant solar power on our system during the day, the Chevelon Butte wind farm will support reliable service with its flexibility and increased production during the evening and overnight hours."

Clean Energy Week 2023: New APS Solar Power Plant in Service. Stay up to date with our social channels Newsroom . View up to date news



The facility provides power to the APS Electric AZ grid during the summer months when demand is high. The APS Foothills Solar Plant is located on 400 acres of land in Yuma county and produces 35 megawatts. APS Yucca Power Plant address: 7522 S Somerton Ave, Yuma, AZ 85364; APS Foothills Solar Plant address: E Co 12 1/2 St, Yuma, AZ 85367



APS's recent announcement of a power purchase agreement with First Solar for a 65-MW solar farm, coupled with a 50-MW, 135-MWh battery storage project, reflects the utility's continued commitment to utility-scale investments in renewable energy. This project will be the largest battery storage project in Arizona and is designed specifically



The plant was built by Atlanta, Ga.-based AMEC ??? a leader in project management and clean energy development. "Foothills is the culmination of the hard work and great partnership between AMEC, APS, Yuma County and the State Land Department," said Larry Myers, AMEC Vice President and Executive Sponsor of solar projects.



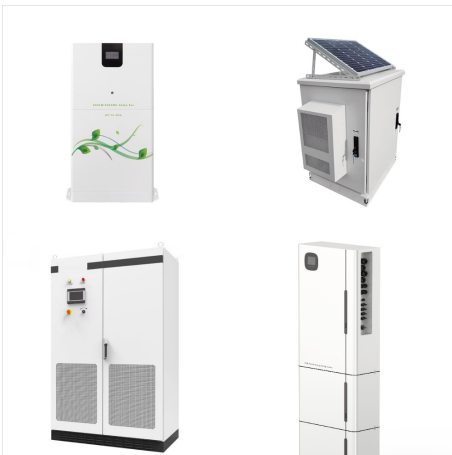
We're using all the tools in our toolbox???from solar power to natural gas???to make sure customers can count on us for electricity every second of the day." On the Hottest Days, APS Virtual Power Plant Helps Cool Demand on Grid. 11/1/2023. Looking Ahead: New APS Plan Addresses Growing Customer Energy Needs. 10/4/2023. Simple Changes at



By 2027, APS will seek to add more than 6,000 MW of solar and wind power, coupled with battery storage, which will provide the greatest long-term value and affordability to customers. With this technology, APS can capture that clean renewable energy and store it for customers to use later, when the sun isn't shining and the wind isn't blowing.



APS also said it plans to build an additional 500 MW of solar storage and stand-alone battery storage by 2025, with the first project a 100-MW solar-storage plant. APS expects to issue a request



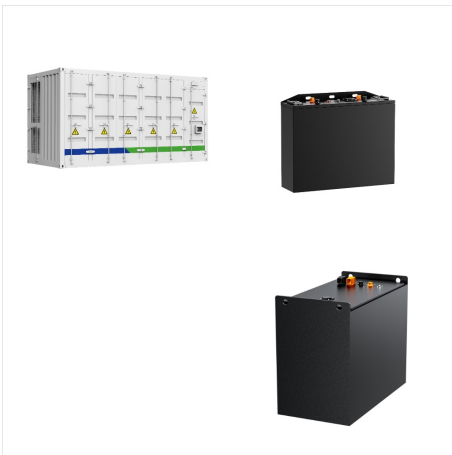
APS serves more than 1.3 million homes and businesses in 11 of Arizona's 15 counties, and is a leader in delivering affordable, clean and reliable energy in the Southwest. The company is committed to serving customers with 100% clean power by 2050. As owner and operator of Palo Verde Generating Station, the nation's largest producer of carbon-free ???



With more than 58,000 customers (and 80,000 smart thermostats) in the Cool Rewards community, this program acts like a virtual power plant to reduce electric demand by more than 130 megawatts of electricity ??? an equivalent amount to what a small power plant might produce. APS serves approximately 1.4 million homes and businesses in 11 of



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The Solana Generating Station is a solar power plant near Gila Bend, Arizona, about 70 miles (110 km) southwest of Phoenix was completed in 2013. When commissioned, it was the largest parabolic trough plant in the world, and the first U.S. solar plant with molten salt thermal energy storage. [3] Built by the Spanish company Abengoa Solar, the project can produce up to 280 ???



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The Sundance Power Plant, located 55 miles southeast of Phoenix near Coolidge, is a key component of our energy infrastructure. APS proposes to add two additional natural gas units at Sundance ??? adding 90 megawatts (MW), enough energy to serve an additional 14,400 Arizona homes.