

Middleburg Heights OH Renewable Energy Contractor Discusses ?What is a Solar Farm?

October 13, 2022

Middleburg Heights, Ohio - October 13, 2022 -
Middleburg Heights, Ohio-based STEVENS Engineers & Constructors is a nationally recognized industrial construction and engineering company specializing in various projects. This includes doing advanced project engineering, site work & excavation, erecting pre-engineered buildings, and even doing business relating to projects in the oil & gas sector.

STEVENS Engineers & Constructors also does extensive civil concrete, steel erection, heavy rigging, and pipe fabrication & installation work. One other area in which the company has become very prominent in is renewable energy construction. The company's Chairman and CEO, Vicki Anderson, stated that this should come as no surprise as renewable energy-related projects are growing across America and elsewhere in the world. She added that solar farms are one type of renewable energy project that the company has become very proficient at designing and building. Something the CEO said not everybody may not be familiar with, and that's why the company decided to post an article on its website titled 'What is a Solar Farm?'.

As quoted in the article, "A solar farm is a large-scale solar installation where photovoltaic (PV) panels (solar panels) are used to harvest the sun's power." The article also said that these are unlike typical rooftop solar energy collection systems and even some commercial solar power systems because of their sheer size and scope.

That's why these decentralized power-gathering systems, which typically consist of ground-mounted solar panels installed across large areas, are often referred to as solar parks and solar power stations. It also stated, "They operate as power plants, similar to natural gas power plants or other sources of energy generation that send electricity to the power grid."

It has also become commonplace for large businesses to develop on or off-site solar farm projects specifically to power such business entities as large data centers. The post even discussed how solar farms are built on little or unused land. This type of area is perfect for providing the wide-open space necessary to ground-mount a substantial number of solar panels.

Hundreds or thousands of solar panels must be installed to convert sunlight into significant amounts of energy being piped into the electric grid. The article also discussed how large solar farms are not only constructed for large businesses to save on energy costs but the energy they generate to be sold to a local utility company at a profit.

It was also pointed out that large solar farms are generally grouped into one of two categories: Utility-scale or Community solar farms. The article provided key takeaways about solar farms. One of which was their cheaper operating cost than residential solar power systems. This cost of solar farms is stated as $0.80 to $1.30 per watt as opposed to the $2.76 per watt average cost typically associated with residential solar setups.

Another critical takeaway mentioned in the article was that a solar farm's energy production directly relates to its size, resulting in these installations having anywhere from a 1 to 2,000-Megawatt capacity.

STEVENS Engineers & Constructors will use the knowledge and skills they have gained in their decades of construction to expertly handle building renewable energy projects like solar farm systems. This is also a fast-advancing renewable energy area that compliments the company's other sustainable energy projects. These include designing and building wind and hydrogen power cell energy generating systems and battery storage facilities.

Anderson says that those companies interested in discussing renewable energy construction or any of their other construction and engineering specialties can contact them by phone, email, or by filling out the form on their website.

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For more information about STEVENS Engineers & Constructors, contact the company here:STEVENS Engineers & ConstructorsVicki Anderson(440) 234-7888info@stevensec.com7850 Freeway Circle, Suite 100Middleburg Hts, OH 44130


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your solar farm project today, contact STEVENS the leader in renewable energy construction. ",
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"articleBody": "Did you know the sun gives off enough energy in one hour to satisfy the worldwide energy needs for one year? The sun is indeed an incredible energy source, and we are just scratching the surface of being able to harness its true power. That's why the renewable energy industry is beginning to take off, and solar farms are sprouting up across America. They are popping up in all shapes and sizes, from small for local communities to massive, utility-scale solar farms powering thousands of homes. In the article below, we will discuss what a solar farm is and the power it can harness. KEY TAKEAWAYS ABOUT SOLAR FARMs Solar Farms are large-scale solar installations where solar panels are used to harvest the sun's power. A solar farm costs between $0.80 and $1.30 per watt rather than the $2.76 per watt average cost of a residential installation. Utility-scale solar farms can have a capacity of anywhere between 1 MW to 2,000 MW. The energy produced by a solar farm depends on how big it is. With decades of combined experience serving clients of all types and sizes, STEVENS has the knowledge and skills needed to meet the demands of renewable energy projects like solar farms. Table Of Contents What's A Solar Farm? How Does A Solar Farm Work? How Much Does A Solar Farm Cost? Utility Solar vs. Community Solar How Much Energy Can A Solar Farm Produce? Energy And Power Industrial Construction Services What's A Solar Farm? A solar farm is a large-scale solar installation where photovoltaic (PV) panels (solar panels) are used to harvest the sun's power. These solar arrays are different from rooftop solar systems and even commercial solar power systems. Solar farms are also called solar parks and solar power stations. They operate as power plants, similar to a natural gas power plant or other sources of energy generation that send electricity to the power grid. Unlike residential and commercial systems, solar farms are decentralized and typically consist of ground-mounted solar panels installed across large areas. Instead of providing power to a local end-user like a homeowner or business, solar farms give power to the electric grid and are part of the utility?s energy mix. There are different types of large solar farm projects, like community solar farms and utility-scale solar farms. A solar farm project could be built to power data centers or other large users of solar power or for other businesses that have a solar project built purely for their use, either onsite or offsite. How Does A Solar Farm Work? Using unoccupied land, typically farmland, solar farms use solar panels to convert sunlight into energy. The generated solar energy is piped into the electric grid. The local electricity company pays the owner for the generated energy. The primary standards are similar to a solar panel operation installed on a homeowner?s rooftop, just on a much larger scale. A solar farm uses an enormous plot of land for solar energy generation to sell power to the local utility at a profit. How Much Does A Solar Farm Cost? The per-watt cost of building a solar farm is lower than residential solar. However, potential savings for individuals are not nearly as high. You will generally save about 5-15% on your electricity bill when you subscribe to community solar gardens. Compared to residential solar panel setups, a solar farm is much cheaper to build. A solar farm costs between $0.80 and $1.30 per watt rather than the $2.76 per watt average cost of a residential installation. Due to their sheer size, a solar farm cost can be between $800,000 to over 1.3 million dollars. That is significantly higher than the $20,474 average cost of a residential installation. But utility solar panel farms typically be at least one megawatt (MW), which is enough electricity for consumers - about 200 households. Utility Solar vs. Community Solar The thousands of solar panel installations in the U.S. can be grouped into two types of solar farms based on size. Utility-scale Community solar The most significant

difference between utility-scale and community solar farms is size and scale. Utility-scale solar farms tend to power a larger electricity grid than community solar. Utility-scale solar farms can have a capacity of anywhere between 1 MW to 2,000 MW. Community solar farms are typically under 5 MW in size. It's not uncommon to find ones that are under 100 kW. Another key difference is who they send their power to. Community solar farm projects serve members of a community who have paid for a share of its power output. Utility solar farms serve a local utility company and all of its customers as part of the energy mix it carries on its power lines. How Much Energy Can A Solar Farm Produce? The energy produced by a solar farm depends on how big it is. For example, one of the biggest solar energy projects on the planet is Longyangxia Dam Solar Park, situated on hundreds of acres in China. The solar panel farm generates approximately 850 MW every day. The Desert Sunlight Project, a 550 MW solar farm, was constructed in 2011 in Riverside County, California. The biggest solar thermal energy farm on the planet is the Ivanpah Solar Electric Generating System, situated in the Mojave Desert in California, producing a daily limit of 392 MW. STEVENS Renewable Energy Construction Services STEVENS builds power systems and facilities for the energy generation industry, including solar installation. With decades of combined experience serving clients of all types and sizes, our crews have the knowledge and skills needed to meet the demands of renewable energy projects like solar farms. Click below to find out how STEVENs can help with your next solar farm project. References:

https://theberkey.com/blogs/water-filter/what-is-a-solar-farm-what-are-the-pros-and-cons
https://www.renewableenergyworld.com/storage/what-is-a-solar-farm/
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https://www.youtube.com/channel/UCs3q... See how our Renewable Energy Construction Company can help you: https://www.stevensec.com/renewable-e... Check out our blog for more great information: https://www.stevensec.com/blog To read the entire article, click the link below: https://www.stevensec.com/blog/what-i...",
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STEVENS Engineers & Constructors

STEVENS Engineers and Constructors provides complete industrial construction services from our office in Middleburg Heights, Oh near Cleveland. We offer high-quality design, build, and management services to industrial customers across the United States.

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