



Village of Jackson Center

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From the Desk of the Administrator

This month I want to discuss how our Solar Field has been doing for the Village. The Solar field has been on line producing green energy since November 29, 2017. The site is rated at 2.34MW DC power output and has an AC power output of 1.62MW. The site has 6984 solar panels and is located on Jerry Drive behind Airstream.

Life time output of the Solar field is 13.09 gigawatts of power which would convert to 13,090 megawatt hours which would convert to 13,090,000 kilowatt hours and the daily average production is 7,562 kilowatt hours per day since its startup in Nov 2017. Kilowatt hours is what you are billed for in your electric bill. The largest output has been on May 31 2020 and a total of 15,008 kilowatt hours of output. The first 15,000 plus output day!! Take in perspective that an average home in JC uses 27.5 kilowatt hours per day. That was enough to supply power to 545 homes here in JC. The solar field is producing 95% of the estimated amount that it is rated at. The largest production days are Sundays and Mondays. (Everyone thinks Mondays are gloomy!!)

The Solar field has produced 2,010,000 kilowatt hours so far this year, that is just a little off pace of our 2021 production which was our record year so far with a total output of 2,838,000 kilowatt hours.

The solar field is also huge in saving our Village charges for transmission and capacity cost on our power bill by suppling us with power during peak shaving events. Transmission and capacity charges are based on our high usage days during peak shaving days.

Producing solar power allows us in helping the environment in becoming carbon neutral. During the lifetime of production, our solar field has offset the use of 1.2 million gallons of gasoline, saved 6,500,000 gallons of water and is like planting 231,532 trees.

Next month: (???)