



Jefferson County, WV Solar Development

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Solar Development

Solar development is good for:

- ✿ Landowners
 - Reliable stream of income to preserve farming as a way of life
 - Steady income to counterbalance low commodity prices and weather risk
- ✿ Agricultural land
 - Keeps landowners from selling ag land to developers
 - Preserves and rejuvenates ag land by taking it out of rotation while preventing stormwater run-off and building up nutrients in the soil
- ✿ Jefferson County
 - Solar a quiet neighbor that creates revenue for the county while not using the county services
 - Solar power/electricity as a Jefferson County product and export
 - Keeps with Envision 2035



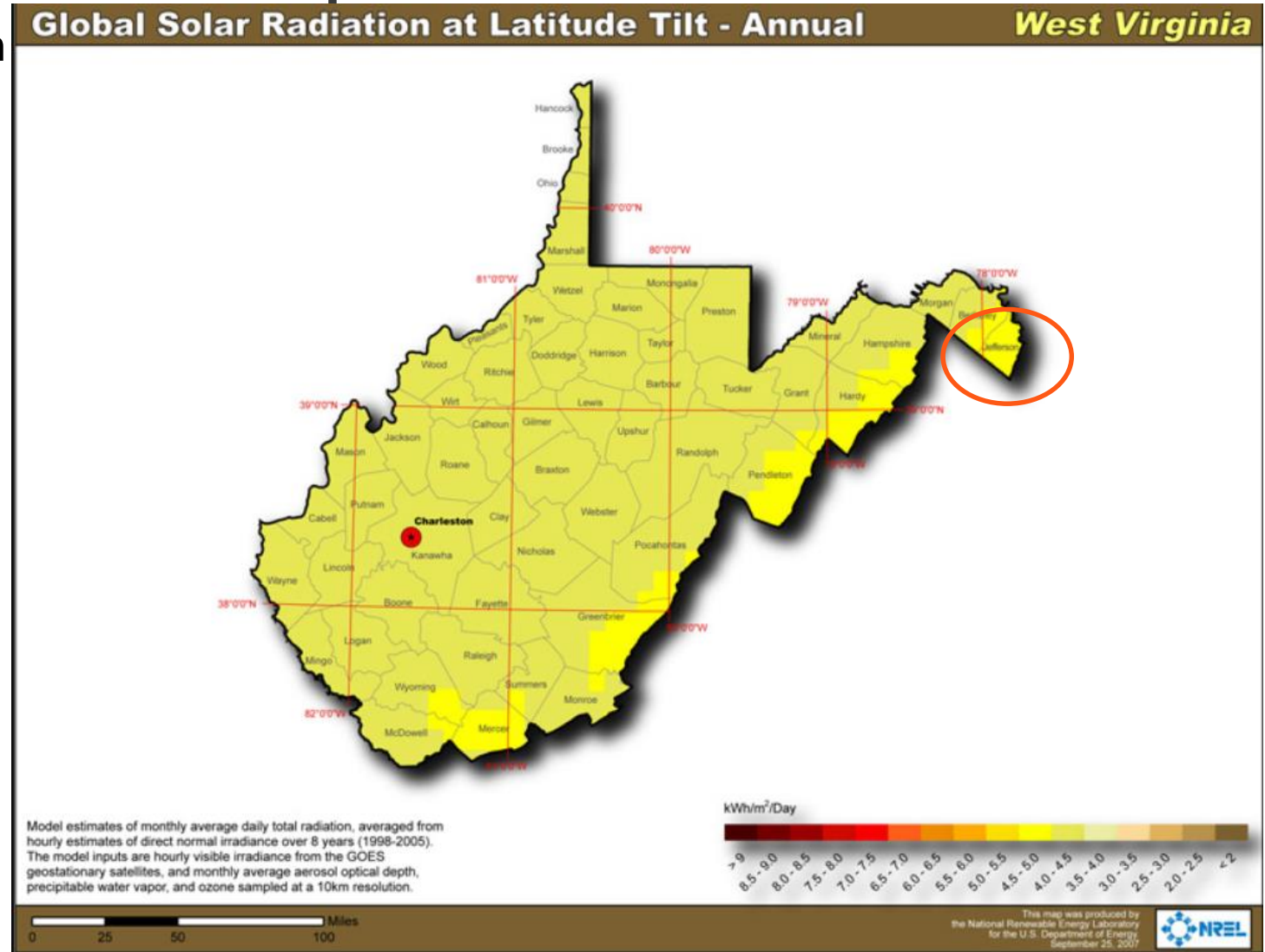
Solar Met Station

Solar Development

❁ Solar farms are consistent with Jefferson County's stated goals on the county's land use and energy plans outlined in Envision 2035

- Encourage public entities to utilize alternative and renewable energy sources for a variety of energy needs

❁ Solar is the evolution of WV's long tradition of energy development - building out energy projects with reasonable permitting policies. A solar industry in WV can offset the many challenges facing WV energy and extraction industries.



ECONOMIC IMPACTS FROM SOLAR

- ~35 years of landowner payments
- Up to 150 - 200 temporary construction jobs
- Local Spending during construction
- Local spending for life of the project
- County revenues for life of project



SOLAR DEVELOPMENT

❁ Limited ideal land in Jefferson County for solar due to:

- Terrain
 - Limited flat contiguous land
- Limited number of high voltage transmission lines
- Limited available capacity

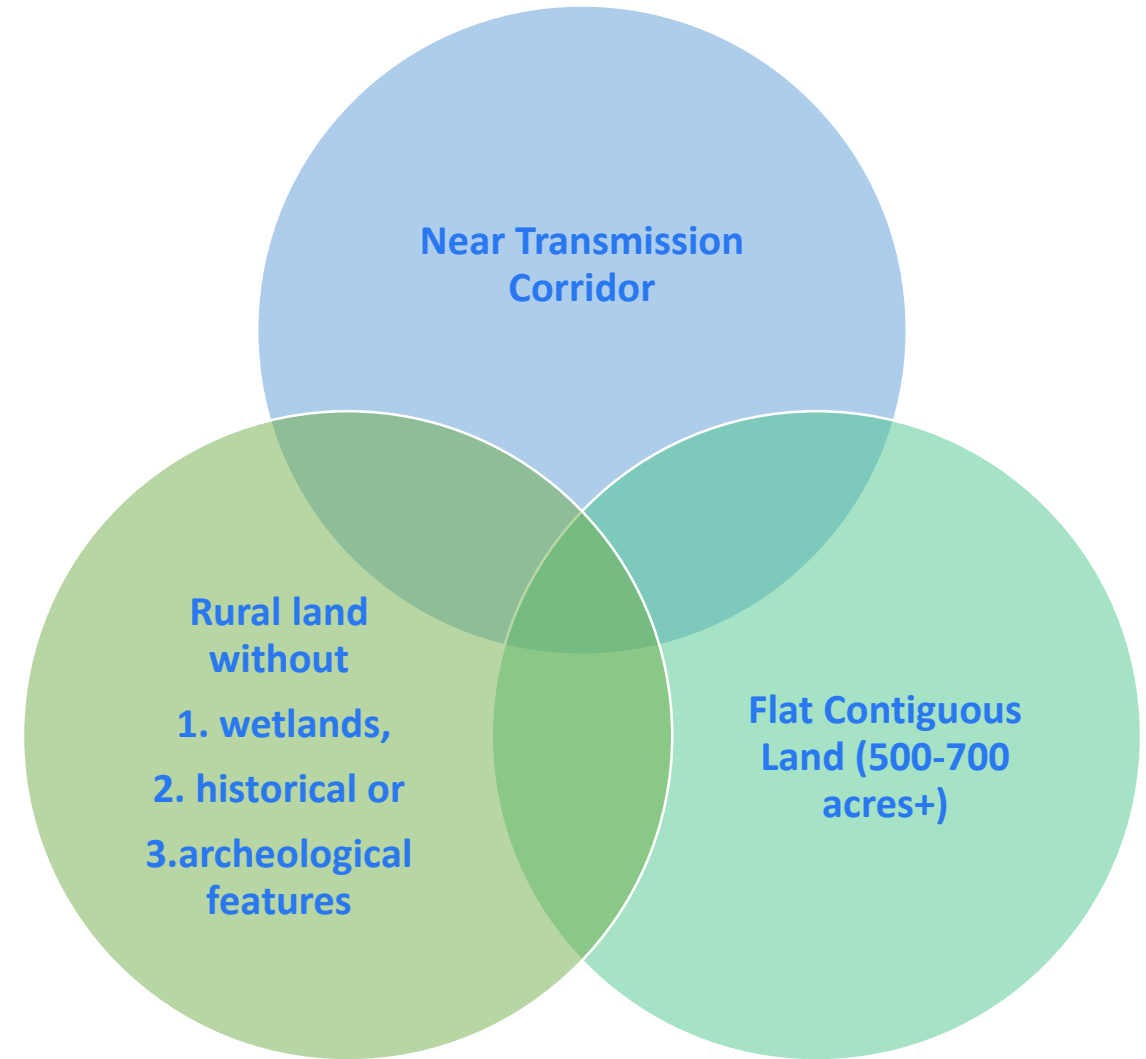
❁ Generally 70 - 100 MW Project Size in the region

❁ 7-9 acres/MW



Limited Solar Development in Jefferson County

- ❁ Developers need sites with southern exposure and nearby access to transmission lines or substations. Building lines to tie a project to a transmission line needs to be limited or the project is not economical.
- ❁ Urban areas and flood plains also not buildable.
- ❁ Require contiguous flat lands or a project is inefficient and expensive to connect so unlikely to be used in solar development.
- ❁ The regional grid can only take a certain amount of new projects without expensive upgrades that make a project not economical so the region is limited as to how many megawatts can come online.



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