ar Potentia in Kenton County



In recent years, the solar industry has been a rapidly growing market. Rooftop solar PV installations can have positive impacts on the local economy and job market, provide a stable source of energy immune to traditional energy price volatility, increase property values, reduce electricity costs for homes, businesses, and governments, and augment utility energy needs during peak hours. More information can be found at: linkgis.org

TOP 5

Cartographic technique used to show point data at various map scales in a more readable manner.



Hex Bin









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1:10,000





IMPORTANT NOTICE: The OKI Solar Map is no substitute to an on-site assessment performed by a certified professional. The OKI Solar Map is a remote evaluation tool, based on topographical surveys, information models, and simulation methodologies, and results may be unavailable or inaccurate due to a number of issues. OKI does not guarantee the accuracy of the data or the applicability of the information provided by the OKI Solar Map. See http://solar.oki.org/map/ for more information.

0.00 - 2.00

2.01 - 133,523





How Does This Topic Apply to Direction 2030?

Encourage a variety of housing types throughout the County to meet the needs of all generations and income levels.

Balance the need to maintain existing infrastructure and build new infrastructure while being mindufl of М cost, economic conditions and return on investment.

Strive to achieve a balance between development and preservation. Ε

Encourage innovative design on sites with **HC** constraints based on the presence of natural systems and incentivize the protection of quality open space.

Encourage cooperative governance. G

Continue to encourage the sharing of technical tools G and resources effectively reducing the cost of the system.

Key Quote:

IN

"Local communities can play a critical role in reducing these soft costs (of installing solar panels) by streamlining and standardizing the permitting process and by providing accessible information to the public."

– OKI "Go Solar Ready" initiative

"Utility companies need to maintain and expand their systems in a way that utilizes their resources in the most **efficient and** • **responsible** manner. - Direction 2030 Utility Management element



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Northern Kentucky mapLAB is a copyrighted, published product of Planning and Development Services of Kenton County. The goal of the initiative is to analyze a wide variety of tabular data and present them in a more visual format that facilitates understanding by the public and its elected leaders. Suggestions for future analyses are always welcome.

Total Annual Potential Solar Assumptions Output kWh

Buildings less than 230 sq ft. are considered too small for a PV array.

133,524 - 252465 Less than 1,146 kWh/sq meter/year of solar insolation is considered too shaded for solar. 252,466 - 420,670

420,671 - 715,949 Cost of electricity: averaged across the residential, commercial, & industrial sectors. **7**15,950 - 1,210,497 **1**,210,498 - 1,929,066 9.16 cents / kWh for Ohio 7.54 cents / kWh for Kentucky 8.63 cents / kWh for Indiana. 1,929,067 - 3,045,714 **3**,045,714 - 6,789,912

System Efficiency: 15% percent efficiency, for standard crystalline Silicon PV modules.

• Shading based off of LiDAR data.

Featured Data Sources . Weather based off of data collected at Cincinnati's Lunken Airport. www.direction2030.org www.linkgis.org **PDS** www.oki.org www.nrel.gov