

## Kentucky Permit or Approvals Summary for Ground Mounted Solar Arrays

General Information	<a href="https://kentucky-solar-toolkit-kygis.hub.arcgis.com/">https://kentucky-solar-toolkit-kygis.hub.arcgis.com/</a>		
Topic Area	Specific Issue	Details	Link for Forms or Information
Air Quality	Permit or Registration	Will the site have emission sources such as stationary engines during construction or combustion equipment associated with any permanent structures on-site?	<a href="https://eec.ky.gov/Environmental-Protection/Air/Pages/Air-Permitting.aspx">https://eec.ky.gov/Environmental-Protection/Air/Pages/Air-Permitting.aspx</a>
Air Quality	Emissions	Fugitive emissions and open burning regulations	<a href="https://eec.ky.gov/Environmental-Protection/Compliance-Assistance/PublishingImages/Lists/DCA%20Resource%20Library/AllItems/Fugitive%20Emissions%20Factsheet.pdf">https://eec.ky.gov/Environmental-Protection/Compliance-Assistance/PublishingImages/Lists/DCA%20Resource%20Library/AllItems/Fugitive%20Emissions%20Factsheet.pdf</a>  <a href="https://eec.ky.gov/Environmental-Protection/Air/Pages/Open-Burning.aspx">https://eec.ky.gov/Environmental-Protection/Air/Pages/Open-Burning.aspx</a>
Water	Construction Stormwater	Will construction at the site disturb one (1) acre or more?	<a href="https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Documents/KYR10PermitPage.pdf">https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Documents/KYR10PermitPage.pdf</a>
Water	Industrial Stormwater	Does the site fall into one of the eligible facility categories?	<a href="https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Documents/KYR00PermitPage.pdf">https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Documents/KYR00PermitPage.pdf</a>
Water	Groundwater Protection	Will the site be engaged in any of the activities listed in Section 2(2) of 401 KAR 5:037?	<a href="https://eec.ky.gov/Environmental-Protection/Water/GW/Pages/GWProtect.aspx">https://eec.ky.gov/Environmental-Protection/Water/GW/Pages/GWProtect.aspx</a>
Water	Water Withdrawal	Will the site be withdrawing water greater than 10,000 gallons per day from any surface, spring, or groundwater source?	<a href="https://eec.ky.gov/Environmental-Protection/Water/GW/Pages/default.aspx">https://eec.ky.gov/Environmental-Protection/Water/GW/Pages/default.aspx</a>
Water	Floodplain	Is the site in a floodplain?	<a href="https://eec.ky.gov/Environmental-Protection/Water/FloodDrought/Pages/FindYourFloodZone.aspx">https://eec.ky.gov/Environmental-Protection/Water/FloodDrought/Pages/FindYourFloodZone.aspx</a>
Water	Water Quality Certification	Will activities during construction or operation cause an impact to streams or water-bodies?	<a href="https://eec.ky.gov/Environmental-Protection/Water/PermitCert/WQ401Cert/Pages/default.aspx">https://eec.ky.gov/Environmental-Protection/Water/PermitCert/WQ401Cert/Pages/default.aspx</a>
Waste	Hazardous Waste	How will any hazardous waste from the site be handled such as failures of panels, inverters, or transformers?	<a href="https://eec.ky.gov/Environmental-Protection/Waste/hazardous-waste/Pages/default.aspx">https://eec.ky.gov/Environmental-Protection/Waste/hazardous-waste/Pages/default.aspx</a>
Waste	Hazardous Waste	What is the end of life, decommissioning plan for the site?	<p>Typical activities during the solar energy facility decommissioning and site reclamation phase include facility removal, breaking up of concrete pads and foundations, removal of access roads that are not maintained for other uses, re-contouring the surface, and re-vegetation. Potential impacts from these activities may trigger additional permitting or approvals. Recycling of materials and e-waste is encouraged during decommissioning.</p>
Waste	Brownfield	Does the site have any perceived or real contamination issues?	<a href="https://eec.ky.gov/Environmental-Protection/brownfields/Pages/default.aspx">https://eec.ky.gov/Environmental-Protection/brownfields/Pages/default.aspx</a>

Environmental Protection	Cumulative Environmental Assessment	No person shall commence to construct a facility to be used for the generation of electricity unless the person submits a cumulative environmental assessment to the Cabinet with the permit applications.	<a href="https://apps.legislature.ky.gov/law/statute/statute.aspx?id=10323">https://apps.legislature.ky.gov/law/statute/statute.aspx?id=10323</a>
Public Service Commission	Merchant Electric Generation	A merchant plant with a generating capacity of 10 megawatts or more and non-regulated transmission lines capable of carrying 69,000 volts of more must receive approval from the Kentucky State Board on Electric Generation and Transmission Siting.	<a href="https://psc.ky.gov/Home/EGTSB">https://psc.ky.gov/Home/EGTSB</a>
Public Service Commission	Certificate of Public Convenience and Necessity	Specifically for utility service to or for the public	<a href="https://apps.legislature.ky.gov/law/statute/statute.aspx?id=48756">https://apps.legislature.ky.gov/law/statute/statute.aspx?id=48756</a>
Cultural or Historic Preservation	Archeological, Historical, and Cultural Resources	Summary of statutes and regulations pertaining to the preservation and management of archaeological sites and other cultural resources in the Commonwealth of Kentucky	<a href="https://anthropology.as.uky.edu/sites/default/files/Kentucky%20Laws%20Pertaining%20to%20Archaeology.pdf">https://anthropology.as.uky.edu/sites/default/files/Kentucky%20Laws%20Pertaining%20to%20Archaeology.pdf</a>
Cultural or Historic Preservation	Archeological, Historical, and Cultural Resources	Kentucky Heritage Council's Statewide Inventory of historic and architectural sites	<a href="https://heritage.ky.gov/historic-places/national-register/Pages/overview.aspx">https://heritage.ky.gov/historic-places/national-register/Pages/overview.aspx</a>
Cultural or Historic Preservation	Archeological, Historical, and Cultural Resources	Office of State Archaeology at the University of Kentucky	<a href="https://anthropology.as.uky.edu/office-state-archaeology">https://anthropology.as.uky.edu/office-state-archaeology</a>
Endangered Species	Pre-development Consultation	U.S. Fish and Wildlife Service Kentucky Ecological Services Field Station	<a href="https://www.fws.gov/office/kentucky-ecological-services">https://www.fws.gov/office/kentucky-ecological-services</a>
Codes	Building	Responsibilities for the enforcement of the Kentucky building codes are shared between the Division of Building Codes Enforcement and the local government (city or county) building departments	<a href="https://dhbc.ky.gov/">https://dhbc.ky.gov/</a>
Codes	Electrical	The Commonwealth of Kentucky is currently using and enforcing statewide the 2014 National Electrical Code (NEC) effective October 1, 2014	<a href="https://dhbc.ky.gov/">https://dhbc.ky.gov/</a>
Codes	Solar Codes	Summary of codes and standards for photovoltaic (PV) products and installations	<a href="http://www.solarabcs.org/codes-standards/index.html">http://www.solarabcs.org/codes-standards/index.html</a>
Nuisance	Glare & Visual Impacts	Was pre-construction modeling done to minimize any glare impacts or address local concerns?	<a href="https://kyconservation.org/scenic">https://kyconservation.org/scenic</a>
Nuisance	Noise Impacts	Has local government been consulted about local planning and zoning on any noise ordinances? Inverters and transformers can make a humming noise that is usually inaudible at 50-150 ft away.	
Local Ordinances	Projects will need to check with local government officials for any relevant local ordinances relating to project development.		
Utility	Projects will need to engage the local electric utility for interconnection agreements and all applicable generation and transmission requirements. See map of electric utility service territories:		<a href="https://www.arcgis.com/home/webmap/viewer.html?webmap=111b3574f58e46639b8a97c6af565f37">https://www.arcgis.com/home/webmap/viewer.html?webmap=111b3574f58e46639b8a97c6af565f37</a>

**For an in-depth assessment of any environmental compliance obligations, please visit the Kentucky Division of Compliance Assistance's**  
[https://eec.ky.gov/Environmental-Protection/Compliance-Assistance/ECAP%20Resources/ComplianceChecklist\\_.pdf](https://eec.ky.gov/Environmental-Protection/Compliance-Assistance/ECAP%20Resources/ComplianceChecklist_.pdf)

For general questions about solar project development, contact State Energy Office.

<https://eec.ky.gov/Energy/Pages/default.aspx>

For questions about economic development incentives and financing, contact the Cabinet for Economic Development.

[https://ced.ky.gov/Locating\\_Expanding/Financial\\_Incentives](https://ced.ky.gov/Locating_Expanding/Financial_Incentives)