

COMMONWEALTH OF KENTUCKY
BEFORE THE KENTUCKY STATE BOARD ON
ELECTRIC GENERATION AND TRANSMISSION SITING

In the Matter of:

ELECTRONIC APPLICATION OF WOOD)	
DUCK SOLAR LLC FOR A CERTIFICATE OF)	
OF CONSTRUCTION FOR AN APPROXIMATELY)	
100 MEGAWATT MERCHANT ELECTRIC)	
SOLAR GENERATING FACILITY AND)	Case No. 2024-00337
NONREGULATED ELECTRIC TRANSMISSION)	
LINE IN BARREN COUNTY, KENTUCKY)	
PURSUANT TO KRS 278.700 AND 807 KAR)	
5:110.)	

Application Table of Contents

(per 807 KAR 5:110 § 3(2)(b))

Description

- Read First
- Table of Contents
- Application
- Index of Statutory/Regulation Requirements
- Exhibit A — Project Site Maps
- Exhibit B — Public Notice Evidence
- Exhibit C — Certification of Compliance
- Exhibit D — Proof of Service on County Officials
- Exhibit E — PJM Feasibility and System Impact Study Reports
- Exhibit F — Economic Impact Assessment
- Exhibit G — Property Value Impact Analysis
- Exhibit H — Site Assessment Report
- Exhibit I — Decommissioning Plan
- Exhibit J — Planning Commission Meeting Minutes (12/18/2023)

Exhibit (Tab)	Description	Requirement
A.	Project Site Maps <ul style="list-style-type: none">• Site Plan• Landscaping Map• Resources Map (Generation Facility)• Resources Map (Transmission Line)	KRS 278.706(2)(b), KRS 278.714(2)(b)

B.	<p>Public Notice Evidence</p> <ul style="list-style-type: none"> • Notice of Application <ul style="list-style-type: none"> • Barren County Progress Tearsheet and Affidavit of Publication (4-24-2025) • Form Letter (4-24-2025) • Certified Mail Receipts • Distribution List • Public Notice Report <ul style="list-style-type: none"> • Barren County Progress Tearsheet and Affidavit of Publication (1-15-2025) • Notice of Public Information Meeting Form Letter (1-16-2025) • Distribution List • 2025 Certified Mail Receipts • 2025 Sign In Sheets • 2023 Open House Flyer • 2024 Public Meeting Form Letter and Distribution List • Barren County Progress Tearsheet and Affidavit of Publication (8-7-2024) • 2024 Comment Cards and Sign In Sheets • Presentation Slides 	KRS 278.706(2)(c), KRS 278.706(2)(f), KRS 278.714(2)(e)
C.	<p>Compliance with Local Ordinances, Regulation, and Setback Requirements</p> <ul style="list-style-type: none"> • Signed Certification of Compliance 	KRS 278.706(2)(d)
D.	<p>Proof of Service of application on Chief Executive Officer of County and Chief Officer of Joint City-County Planning Commission of Barren County</p>	KRS 278.706(2)(h), KRS 278.714(2)(f)
E.	<p>Effect on Kentucky Electricity Transmission System</p> <ul style="list-style-type: none"> • AG1-070 Feasibility Study • AG1-070 System Impact Study • AG1-071 Feasibility Study • AG1-071 System Impact Study • One-Line Diagram 	KRS 278.706(2)(i)
F.	<p>Effect on Local and Regional Economies</p> <ul style="list-style-type: none"> • Economic Impact Analysis Report (Paul Coomes, Ph.D.) 	KRS 278.706(2)(j)

G.	Property Value Impact Analysis <ul style="list-style-type: none"> Property Value Impact Analysis Report (Kirkland Appraisals) 	KRS 278.706(2)(j)
H.	Site Assessment Report <ul style="list-style-type: none"> Report Narrative Attachments: <ul style="list-style-type: none"> A: Project Site Maps B: Property Value Impact Analysis (Kirkland Appraisals) C: Parcel Map D: Noise Study (Stantec) E: Visual Resource Assessment and Mitigation Plan (Stantec) F: Glare Hazard Analysis (Stantec) G. Landscape Plan (Stantec) H: Traffic Study (Stantec) 	KRS 278.706(2)(1), KRS 278.708
I.	Decommissioning Plan (Stantec)	KRS 278.706(2)(m)
J.	Barren County Joint City-County Planning Commission, Meeting Minutes (12-18-2023)	KRS 278.706(2)(m)